ENSOLUM

April 13, 2026

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Closure Request
Big Sinks 02-24-30
Facility ID: fAPP2123046888
Incident Numbers nAPP2524850355 and nAPP2531439100
Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document a liner integrity inspection and delineation activities performed at the Big Sinks 02-24-30 (Site). The purpose of the remedial activities was to identify potential impacts to soil resulting from two releases of crude oil and produced water within a steel-walled, lined containment housing multiple tanks and associated process piping. XTO is submitting this *Closure Request*, describing the findings of the liner integrity inspection and delineation activities that have occurred, and requesting closure for Incident Numbers nAPP2524850355 and nAPP2531439100.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit E, Section 02, Township 24 South, Range 30 East, in Eddy County, New Mexico (32.2485°, -103.85958°) and is associated with oil and gas exploration and production operations on State Trust Land managed by the New Mexico State Land Office (NMSLO) under Lease ID Number E052290011.

On September 2, 2025, equipment failure occurred within a steel-walled, lined containment measuring approximately 3,430 square feet, which resulted in the release of approximately 10 barrels (bbls) of produced water. A vacuum truck was immediately dispatched, and all released fluids were recovered. XTO submitted a Notification of Release (NOR) on September 5, 2025, and subsequently an Initial C-141 Application (C-141) on September 10, 2025, to the New Mexico Oil Conservation Division (NMOCD). The release was assigned Incident Number nAPP2524850355.

On November 9, 2025, a separate equipment failure occurred within the same lined containment, which resulted in the release of approximately 40 bbls of crude oil. All fluids were contained within the steel walls of the lined containment, and a vacuum truck was immediately dispatched to the Site; all released fluids were recovered. XTO submitted a NOR on November 10, 2025, and an Initial C-141 on November 12, 2025, to the NMOCD. The release was assigned Incident Number nAPP2531439100.

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. Potential site receptors are identified on Figure 1. Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest groundwater data is from the New Mexico Office of the State Engineer (NMOSE) soil boring, permitted as C-4984, located approximately 718 feet northwest of the Site. The soil boring was advanced to a terminal depth of 110 bgs on August 14, 2025; no groundwater was encountered. The well was properly plugged and abandoned using hydrated bentonite chips and drill cuttings. The Well Log and Plugging Plan for C-4984 are included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 6,421 feet southeast 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).

Based on the results of the Site Characterization, the following NMOCD 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)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

NMSLO CULTURAL RESOURCES AND BIOLOGICAL REVIEW

Cultural Properties Protection

The entirety of the release extent was contained on pad and in containment, as such, the Site is exempt from the Cultural Properties Protection Rule (CPP). A desktop survey was preformed on the Site, no additional cultural resource surveys were completed in connection with this release.

Biological Review

Ensolum personnel conducted a desktop review to establish if the Site is within an area of possible threatened, endangered, and sensitive wildlife and plant species, environmentally sensitive areas, surface waters, and sensitive soils.

- A review of the U.S. Fish and Wildlife Services Information for Planning and Consultation (IPaC) resources indicated there are no critical wildlife habitats at the Site, but potential habitats of the Piping Plover and Texas Hornshell Clam might exist. A review of the Bureau of Land Management (BLM) NM Plant Wildlife Habitat maps indicated potential habitats for Scheer's beehive cactus near the Site. Threatened and endangered plant species are potentially present

in the area surrounding the Site; however, no protected species were observed during remediation activities.

- The Site is located within an area of possible range of the Lesser Prairie Chicken habitat based on a review of SLO Candidate Conservation Agreement with Assurances (CCAA) map.
    - From March 1st through June 15th, no remediation activities occurred between the hours of 3:00 am to 9:00 am to protect any Lesser Prairie Chickens within the area.
- The Site is located within low potential karst designation area, as determined by the Site Characterization.
- The Natural Resources Conservation Service (NRCS) Web Soil Survey classifies the soil type at the Site as Kermit-Berino fine sands, 0 to 3 percent slopes. The Kermit-Berino complex is not considered a sensitive soil per the SLO guidelines.

LINER INTEGRITY INSPECTION ACTIVITIES

A 48-hour advance notice of the liner inspection was submitted to the NMOCD on November 13, 2025. The lined containment was cleaned of all debris and power washed, and a liner integrity inspection was conducted by Ensolum personnel on November 14, 2025.The liner was determined to contain a small tear in the northeast area of the containment near the easternmost storage tank. All fluids documented within the photographic log are residual fresh water, as the inspection was conducted immediately following cleaning activities. Delineation to determine the presence or absence of impacts below the tear in the lined containment was warranted. A site map of the lined containment is included in Figure 2. Photographic documentation of the inspection is included in Appendix B.

DELINEATION SOIL SAMPLING ACTIVITIES

On January 15, 2026, Ensolum personnel returned to the Site to conduct delineation activities. Four delineation soil samples (SS01 through SS04) were collected around the lined containment from a depth of approximately 0.5 feet bgs (surface) to assess the lateral extent of the release. One borehole (BH01) was advanced via hand auger to a terminal depth of 1-foot bgs in the location of the tear in the liner floor. The delineation soil samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and for chlorides utilizing Hach® chloride QuanTab® test strips. Field screening results and observations of the soil samples from the borehole were logged on a lithologic/soil sampling log, which is included in Appendix C. The delineation soil sample locations were mapped utilizing a handheld Trimble® Catalyst™ GNSS (Global Navigation Satellite System) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The 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 COCs (constituents of concern): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

NMOCD CORRESPONDENCE AND ADDITIONAL DELINEATION

On February 10, 2026, *Closure Requests* for Incident Numbers nAPP2524850355 and nAPP2531439100 were submitted to the NMOCD. On March 6, 2026, the NMOCD denied the *Closure Requests* with the following conditions:

Remediation closure denied for the following reasons: As the lined containment had a breach and contamination was found above the reclamation limits at BH01, four more delineation samples are required to be collected south of the tank battery to confirm contaminants did not migrate into the pasture just south of this. One of these locations should be directly south of location BH01 as close to the southern boundary of the tank battery as possible and the second location should be collected 30 feet west of this. For each location, samples should be collected at surface and 1' depths. A C-141N should be submitted at least two business days prior to sample collection. If contamination is found, it must be remediated pursuant to 19.15.29 NMAC. Submit an updated report to OCD by 5/5/2026.

On March 18, 2026, Ensolum personnel returned to the site to perform the additional delineation requested by NMOCD. Two additional boreholes (BH02 and BH03) were advanced via hand auger in the requested locations, and discrete soil samples were collected at the ground surface and 1-foot bgs. The two delineation boreholes were mapped utilizing a handheld GPS and are depicted on Figure 2. The soil samples were collected and field screened with the same methods as stated above, then transported and submitted to Cardinal for analysis of the same COCs as stated above. Photographic documentation is included in Appendix B.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS01 through SS04 indicated all COCs were in compliance with Site Closure Criteria, confirming the release remained within the steel walls of the lined containment. Delineation soil samples from borehole BH01, BH02, and BH03 indicated all COCs were in compliance with Site Closure Criteria at all depths. In addition, laboratory analytical results for delineation boreholes BH02 and BH03 indicated all COCs were in compliance with reclamation requirements, successfully defining the lateral extent of the release. Laboratory analytical results are summarized in Table 1, and the laboratory analytical reports are included in Appendix D.

CLOSURE REQUEST

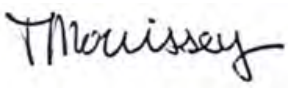
Liner integrity inspection and delineation activities were conducted at the Site to address the September 2025 release of produced water and the November 2025 release of crude oil. Laboratory analytical results for all delineation soil samples collected outside of the lined containment indicated all COC concentrations were compliant with reclamation requirements. Laboratory analytical results from the borehole delineation soil samples from inside the containment indicated all COC concentrations were in compliance with Site Closure Criteria. Based on the soil sample analytical results, no impacted soil was identified, and no further remediation was required. XTO has patched the tear in the liner following completion of delineation activities.

Delineation of potential impacts at this Site did not identify impacted soil below the lined containment in exceedance of the Closure Criteria, and the release was entirely contained within the walls of the containment. Depth to groundwater has been established to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers nAPP2524850355 and nAPP2531439100.

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

Sincerely,
Ensolum, LLC

Christopher Wright
Staff Geologist



Tacoma Morrissey, M.S., P.G. (licensed in TX)
Associate Principal

cc: Robert Woodall, XTO
Richard Kotzur, XTO
NMSLO

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Sample Analytical Results
Appendix A	Referenced Well Records
Appendix B	Photographic Log
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	Spill Volume Calculations

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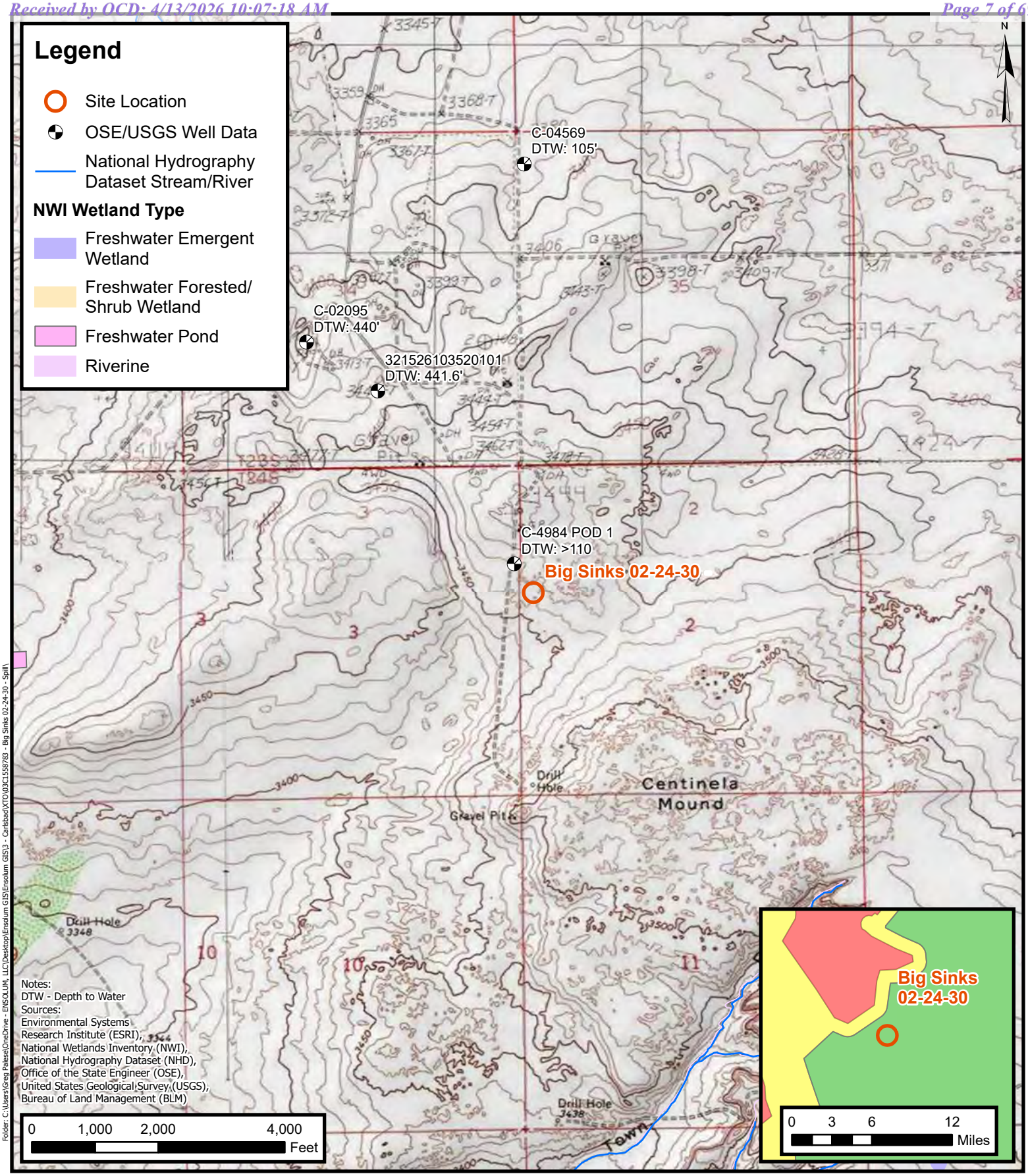
FIGURES



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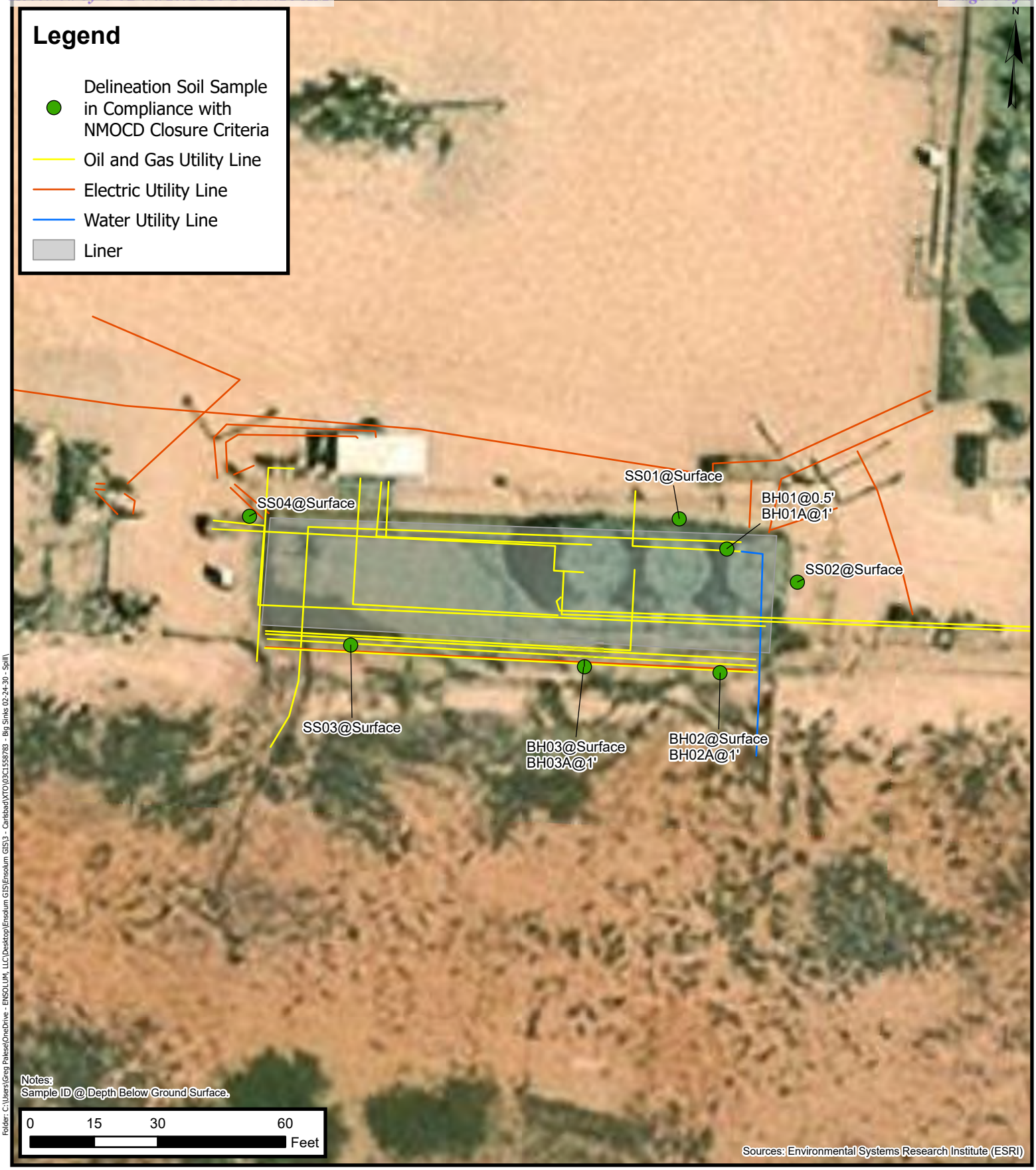
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

XTO Energy, Inc.
Big Sinks 02-24-30
Incident Number: nAPP2524850355 and nAPP2531439100
Unit E, Section 02, T 24S, R 30E
Eddy County, New Mexico

FIGURE 1



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Delineation Soil Sample Locations

XTO Energy, Inc.
Big Sinks 02-24-30
Incident Number: nAPP2524850355 and nAPP2531439100
Unit E, Section 02, T 24S, R 30E
Eddy County, New Mexico

FIGURE 2

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Big Sinks 02-24-30
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 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH01	01/15/2026	0.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,480
BH01A	01/15/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,520
BH02	03/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
BH02A	03/18/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
BH03	03/18/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
BH03A	03/18/2026	1	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SS01	01/15/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SS02	01/15/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SS03	01/15/2026	Surface	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SS04	01/15/2026	Surface	<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

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1	n/a	C-4984

WELL OWNER NAME(S)	PHONE (OPTIONAL)
XTO Energy, Inc	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
3104 E Greene St	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	14	59.136	N
	LONGITUDE	103	51	37.944	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Located along the edge of a low-traffic caliche lease road near the Big Sinks 2-24-30 Battery Pad.

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1184	Ronny Keith	West Texas Water Well Service

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8/14/2025	8/14/2025	temp casing only	110	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	110	6	Temporary SCH 40 PVC	-	2	-	-

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	110	110	Reddish brown, SAND	Y ✔ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary casing removed and soil bore was backfilled using drill cuttings to a depth of 10 feet below ground surface, remaining 10 feet backfilled using hydrated bentonite chips

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Russell Smith

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

8/19/2025

DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4984 POD 1

Well owner: XTO Energy, Inc Phone No.:

Mailing address: 3104 E Greene St

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: West Texas Water Well Service

2) New Mexico Well Driller License No.: WD-1184 Expiration Date: 10/31/2025

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):

4) Date well plugging began: 8/18/2025 Date well plugging concluded: 8/18/2025

5) GPS Well Location: Latitude: 32 deg, 14 min, 59.136 sec
Longitude: 103 deg, 51 min, 37.944 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 110 ft below ground level (bgl), by the following manner: oil/water interface probe

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 7/14/2025

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 26 gallons	26.11 gallons	Boring	
	10'-110' Drill Cuttings	Appox. 287 gallons	287 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, _____ , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Russell Scantlin

Signature of Well Driller

Date

Version: September 8, 2009
Page 2 of 2

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APPENDIX B

Photographic Log

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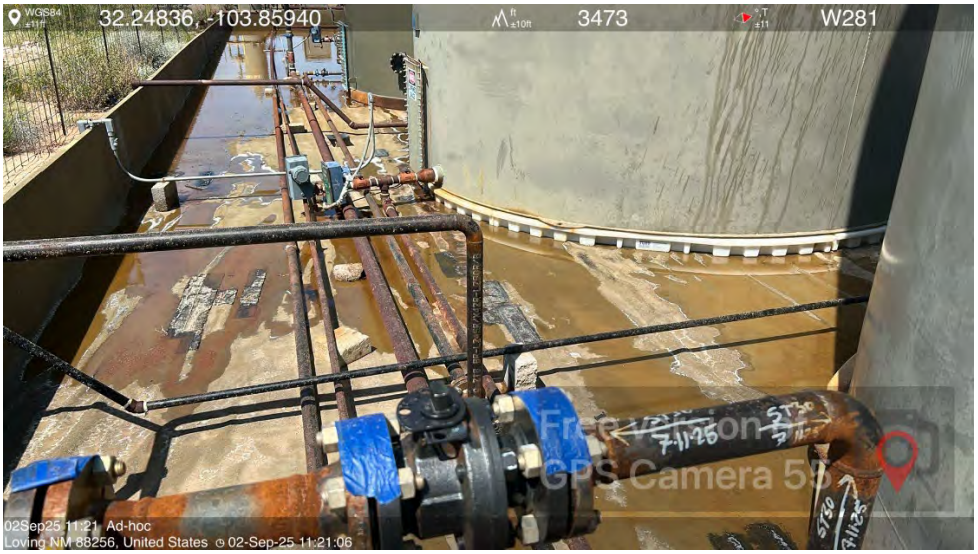
Photographic Log

XTO Energy, Inc
Big Sinks 02-24-30
nAPP2524850355 and nAPP2531439100

Photograph 1	Date 09/02/2025	
Description Initial release – Incident Number nAPP2524850355		
View West		
Photograph 2	Date 11/09/2025	
Description Initial release – Incident Number nAPP2531439100		
View East		

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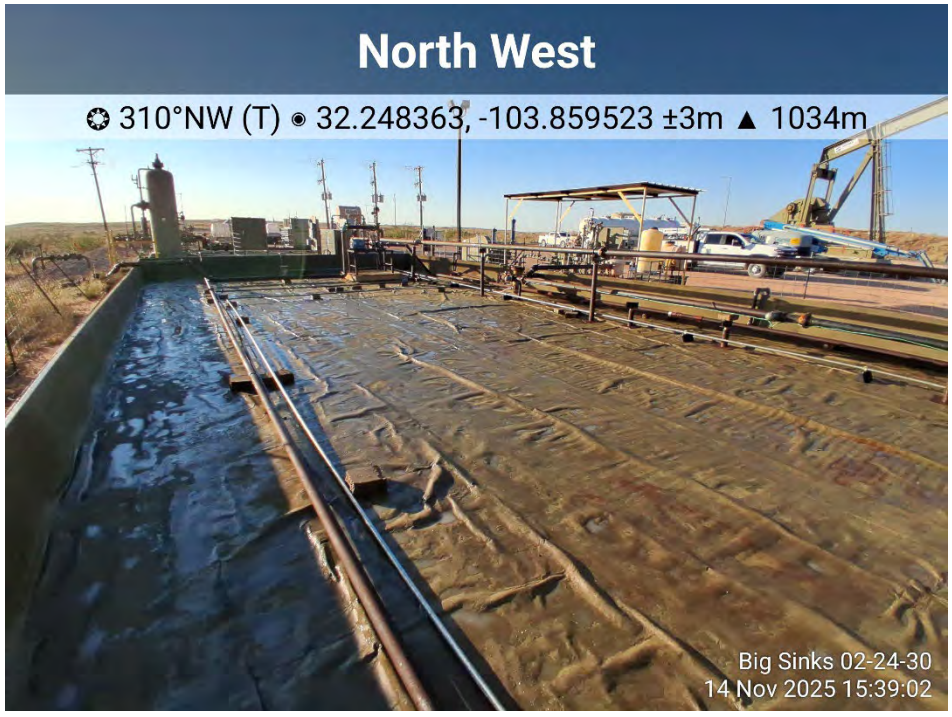
Photographic Log

XTO Energy, Inc
Big Sinks 02-24-30
nAPP2524850355 and nAPP2531439100

Photograph 3	Date 11/14/2025	
Description Liner inspection activities		
View West		
Photograph 4	Date 11/14/2025	
Description Liner inspection activities		
View North		

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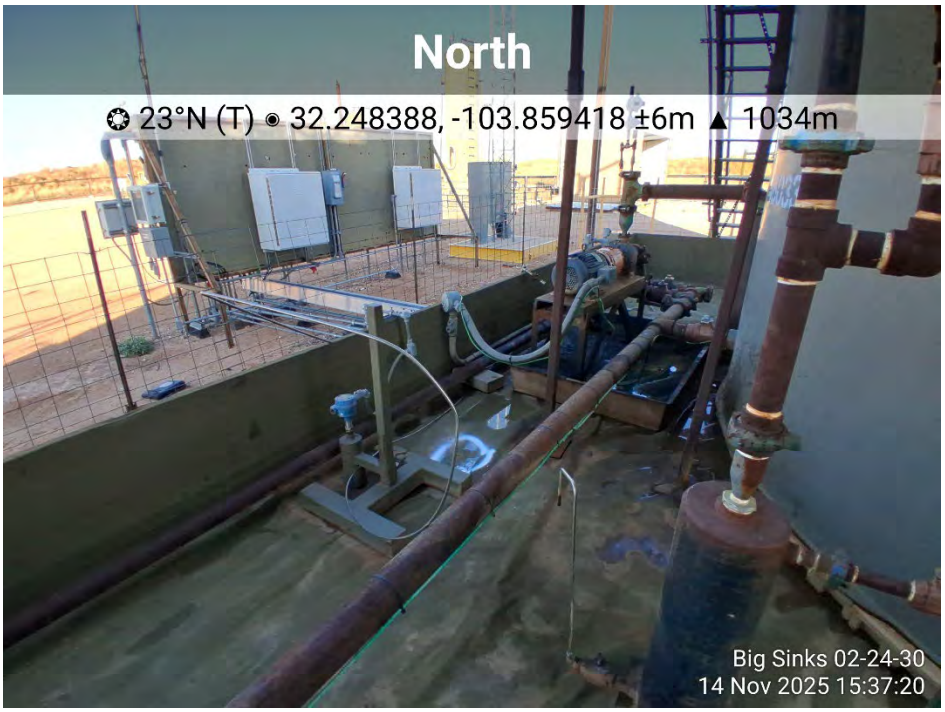
Photographic Log

XTO Energy, Inc
Big Sinks 02-24-30
nAPP2524850355 and nAPP2531439100

Photograph	Date	
5	11/14/2025	
Description: Liner Tear in northeast corner		
View: Northeast		

Photograph	Date	
6	11/14/2025	
Description: Liner Tear in northeast corner		
View: Northeast		

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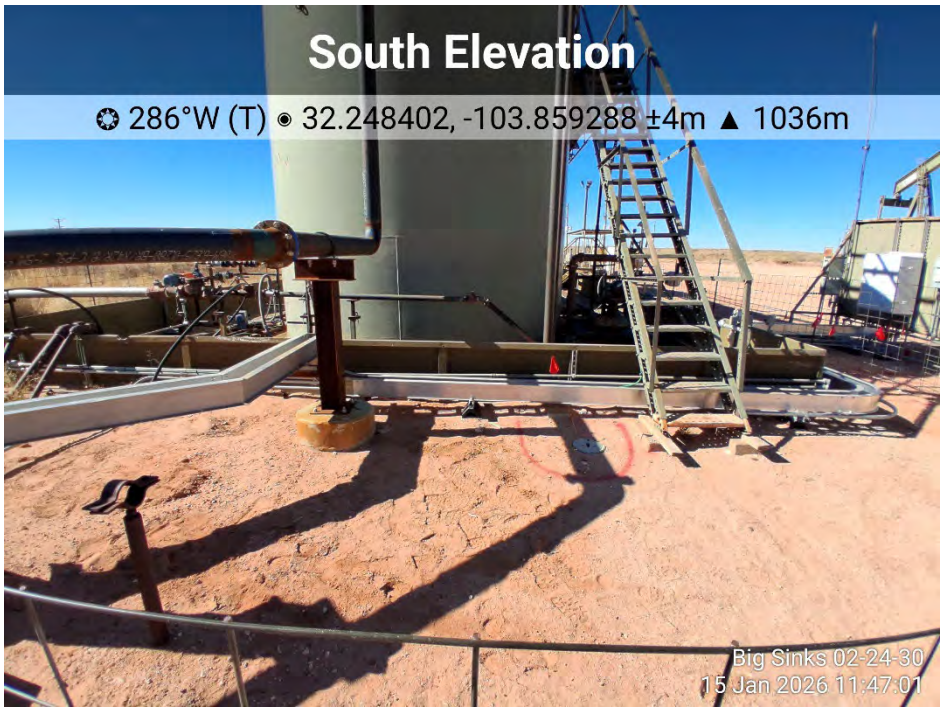
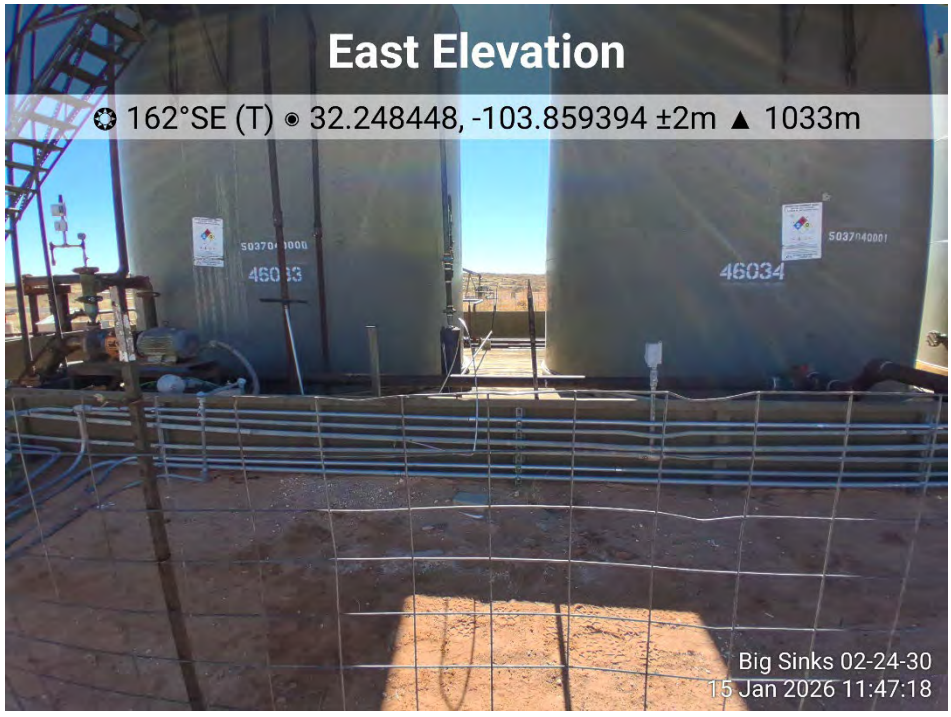
Photographic Log

XTO Energy, Inc
Big Sinks 02-24-30
nAPP2524850355 and nAPP2531439100

Photograph 7	Date 01/15/2026	
Description Delineation activities, SS02 Area		
View West		

Photograph 8	Date 01/15/2026	
Description Delineation activities, SS01 Area		
View Southeast		

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Photographic Log

XTO Energy, Inc
Big Sinks 02-24-30
nAPP2524850355 and nAPP2531439100

Photograph 9	Date 01/15/2026	
Description: Delineation activities, BH01		
View: East		

Photograph 10	Date 01/15/2026	
Description: Patched liner, BH01		
View: East		

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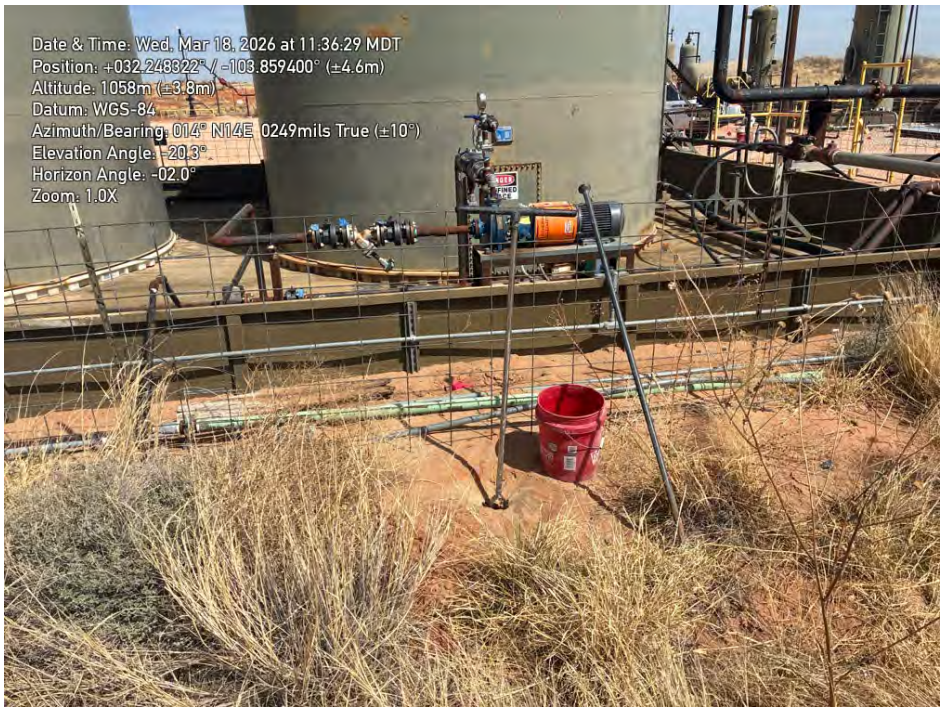
Photographic Log

XTO Energy, Inc
Big Sinks 02-24-30
nAPP2524850355 and nAPP2531439100

Photograph	Date
11	03/18/2026



Description
Additional delineation activities, BH02

View
North

Photograph	Date
12	03/18/2026

Description
Additional delineation activities, BH03

View
North

ENSOLUM

APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 1/15/2026
	Site Name: Big Sinks 02-24-31	
	Incident Number: nAPP2531439100	
	Job Number: 03C1558783	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: TBW	Method: Hand Auger
Coordinates: 32.248414, -103.859386	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. Correction factor of 40% included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	2946	2.3	N	BH01	0.5	0	CCHE	0-1': CALICHE, tan to light brown, fine grained to gravel, poorly sorted, well graded, subrounded, unconsolidated, no odor.
D	3651	1.7	N	BH01A	1	1	SP	1': SAND, brown, fine grained, poorly graded, well sorted, subrounded, no odor.
Total Depth @ 1 foot bgs								

ENSOLUM

	Sample Name: BH02	Date: 3/18/2026
	Site Name: Big Sinks 02-24-31	
	Incident Number: nAPP2531439100	
	Job Number: 03C1558783	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CFW	Method: Hand Auger
Coordinates: 32.248334, -103.859386	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. Correction factor of 40% included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<179	3.1	N	BH02	0	0	SW-SM	0-1' : Light brown sand (medium to fine grained) with few gravels (subrounded, 0.2-2cm) and silts. Cohesive, non plastic, well graded.
D	<179	1.9	N	BH02A	1	1		

Total Depth @ 1 foot bgs

ENSOLUM

	Sample Name: BH03	Date: 3/18/2026
	Site Name: Big Sinks 02-24-31	
	Incident Number: nAPP2531439100	
	Job Number: 03C1558783	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: CFW	Method: Hand Auger
Coordinates: 32.248334, -103.859490	Hole Diameter: 4"	Total Depth: 1'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. Correction factor of 40% included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	<179	4.3	N	BH03	0	0	SW-SM	0-1' : Light brown sand (medium to fine grained) with few gravels (subrounded, 0.2-2cm) and silts. Cohesive, non plastic, well graded.
D	<179	2	N	BH03A	1	1		

Total Depth @ 1 foot bgs

ENSOLUM

APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation

CARDINAL Laboratories

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

January 22, 2026

TRACY HILLARD

ENSOLUM, LLC

705 W WADLEY AVE.

MIDLAND, TX 79705

RE: BIG SINKS 02-24-30 - SPILLS

Enclosed are the results of analyses for samples received by the laboratory on 01/16/26 13:52.

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 www.tceq.texas.gov/field/qa/lab_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.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
TRACY HILLARD
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	01/16/2026	Sampling Date:	01/15/2026
Reported:	01/22/2026	Sampling Type:	Soil
Project Name:	BIG SINKS 02-24-30 - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558783	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.248411-103.859391		

Sample ID: BH01 0.5' (H260285-01)

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	01/19/2026	ND	1.83	91.4	2.00	0.405	
Toluene*	<0.050	0.050	01/19/2026	ND	1.92	96.1	2.00	0.0569	
Ethylbenzene*	<0.050	0.050	01/19/2026	ND	1.94	96.9	2.00	0.410	
Total Xylenes*	<0.150	0.150	01/19/2026	ND	5.77	96.1	6.00	0.495	
Total BTEX	<0.300	0.300	01/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.5 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3480**	16.0	01/19/2026	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2026	ND	181	90.5	200	4.31	
DRO >C10-C28*	<10.0	10.0	01/19/2026	ND	208	104	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	01/19/2026	ND					

Surrogate: 1-Chlorooctane *92.7 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *94.7 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM, LLC
TRACY HILLARD
705 W WADLEY AVE.
MIDLAND TX, 79705
Fax To:

Received:	01/16/2026	Sampling Date:	01/15/2026
Reported:	01/22/2026	Sampling Type:	Soil
Project Name:	BIG SINKS 02-24-30 - SPILLS	Sampling Condition:	Cool & Intact
Project Number:	03C1558783	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.248411-103.859391		

Sample ID: BH01A 1' (H260285-02)

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	01/19/2026	ND	1.83	91.4	2.00	0.405	
Toluene*	<0.050	0.050	01/19/2026	ND	1.92	96.1	2.00	0.0569	
Ethylbenzene*	<0.050	0.050	01/19/2026	ND	1.94	96.9	2.00	0.410	
Total Xylenes*	<0.150	0.150	01/19/2026	ND	5.77	96.1	6.00	0.495	
Total BTEX	<0.300	0.300	01/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.6 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: KH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3520**	16.0	01/19/2026	ND	416	104	400	3.77	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2026	ND	181	90.5	200	4.31	
DRO >C10-C28*	<10.0	10.0	01/19/2026	ND	208	104	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	01/19/2026	ND					

Surrogate: 1-Chlorooctane *93.2 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *95.0 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

1-1

Company Name: Ensolum, LLC
Project Manager: Tracy Hillard
Address: 601 N Marienfeld Street, Suite 400
City: Midland State: TX Zip: 79701
Phone #: (575) 937-3906 Fax #:
Project #: 03C1558783 Project Owner: XTO Energy, Inc.
Project Name: Big Sinks 02-24-30 - SPILLS
Project Location: 32.248411, -103.859391
Sampler Name: Trevor Wargo

BILL TO
P.O. #:
Company: XTO Energy, Inc
Attn: Dale Woodall
Address: 3014 E Greene St
City: Carlsbad
State: NM Zip: 88220
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
H246085																		
1	BH01	0.5	G	1			X					X		1/15/25	~~11:37~~ 12:04	X	X	X
2	BH01A	1	G	1			X					X		1/15/25	~~11:37~~ 11:37	X	X	X

TBW

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 affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

CLS 240804001K

Relinquished By:	Date:	Received By:
Trevor Wargo	1.16.24	
	Time: 1352	aparos
Relinquished By:	Date:	Received By:
	Time:	

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address: TWargo@ensolum.com
BBelill@ensolum.com, TMorrissey@ensolum.com, JReich@ensolum.com, CWright@ensolum.com
THillard@ensolum.com, KThomason@ensolum.com Richard.Kotzur@exxonmibil.com

REMARKS: Incident Numbers: nAPP2531439100, nAPP2524850355
Cost Center:1080751001
GFCM: 48605000

Turnaround Time: Standard ☑ Rush ☐

Thermometer ID #113 #140
Correction Factor -0.5°C +0.1

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition Cool	Intact	CHECKED BY: (Initials)	Bacteria (only) Sample Condition Cool	Intact	Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 3.9	☑ Yes ☐ No	☑ Yes ☐ No	AP	☐ Yes ☐ No	☐ Yes ☐ No	Corrected Temp. °C

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

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

January 22, 2026

TRACY HILLARD

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BIG SINKS 02-24-30

Enclosed are the results of analyses for samples received by the laboratory on 01/16/26 13:52.

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 www.tceq.texas.gov/field/qa/lab_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.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/16/2026	Sampling Date:	01/15/2026
Reported:	01/22/2026	Sampling Type:	Soil
Project Name:	BIG SINKS 02-24-30	Sampling Condition:	Cool & Intact
Project Number:	03C1558783	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.248411-103.859391		

Sample ID: SS 01 SURFACE (H260286-01)

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	01/19/2026	ND	1.83	91.4	2.00	0.405	
Toluene*	<0.050	0.050	01/19/2026	ND	1.92	96.1	2.00	0.0569	
Ethylbenzene*	<0.050	0.050	01/19/2026	ND	1.94	96.9	2.00	0.410	
Total Xylenes*	<0.150	0.150	01/19/2026	ND	5.77	96.1	6.00	0.495	
Total BTEX	<0.300	0.300	01/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**240**	16.0	01/19/2026	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2026	ND	181	90.5	200	4.31	
DRO >C10-C28*	<10.0	10.0	01/19/2026	ND	208	104	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	01/19/2026	ND					

Surrogate: 1-Chlorooctane *77.6 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *79.1 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/16/2026	Sampling Date:	01/15/2026
Reported:	01/22/2026	Sampling Type:	Soil
Project Name:	BIG SINKS 02-24-30	Sampling Condition:	Cool & Intact
Project Number:	03C1558783	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.248411-103.859391		

Sample ID: SS 02 SURFACE (H260286-02)

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	01/19/2026	ND	1.83	91.4	2.00	0.405	
Toluene*	<0.050	0.050	01/19/2026	ND	1.92	96.1	2.00	0.0569	
Ethylbenzene*	<0.050	0.050	01/19/2026	ND	1.94	96.9	2.00	0.410	
Total Xylenes*	<0.150	0.150	01/19/2026	ND	5.77	96.1	6.00	0.495	
Total BTEX	<0.300	0.300	01/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.2 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	01/19/2026	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2026	ND	181	90.5	200	4.31	
DRO >C10-C28*	<10.0	10.0	01/19/2026	ND	208	104	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	01/19/2026	ND					

Surrogate: 1-Chlorooctane *95.6 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *97.2 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/16/2026	Sampling Date:	01/15/2026
Reported:	01/22/2026	Sampling Type:	Soil
Project Name:	BIG SINKS 02-24-30	Sampling Condition:	Cool & Intact
Project Number:	03C1558783	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.248411-103.859391		

Sample ID: SS 03 SURFACE (H260286-03)

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	01/19/2026	ND	1.83	91.4	2.00	0.405	
Toluene*	<0.050	0.050	01/19/2026	ND	1.92	96.1	2.00	0.0569	
Ethylbenzene*	<0.050	0.050	01/19/2026	ND	1.94	96.9	2.00	0.410	
Total Xylenes*	<0.150	0.150	01/19/2026	ND	5.77	96.1	6.00	0.495	
Total BTEX	<0.300	0.300	01/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.5 %* *70.4-141*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	01/19/2026	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2026	ND	212	106	200	0.921	
DRO >C10-C28*	<10.0	10.0	01/19/2026	ND	195	97.6	200	0.516	
EXT DRO >C28-C36	<10.0	10.0	01/19/2026	ND					

Surrogate: 1-Chlorooctane *71.8 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *67.6 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM
TRACY HILLARD
3122 NATIONAL PARKS HWY
CARLSBAD NM, 88220
Fax To:

Received:	01/16/2026	Sampling Date:	01/15/2026
Reported:	01/22/2026	Sampling Type:	Soil
Project Name:	BIG SINKS 02-24-30	Sampling Condition:	Cool & Intact
Project Number:	03C1558783	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.248411-103.859391		

Sample ID: SS 04 SURFACE (H260286-04)

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	01/19/2026	ND	1.83	91.4	2.00	0.405	
Toluene*	<0.050	0.050	01/19/2026	ND	1.92	96.1	2.00	0.0569	
Ethylbenzene*	<0.050	0.050	01/19/2026	ND	1.94	96.9	2.00	0.410	
Total Xylenes*	<0.150	0.150	01/19/2026	ND	5.77	96.1	6.00	0.495	
Total BTEX	<0.300	0.300	01/19/2026	ND					

Surrogate: 4-Bromofluorobenzene (PID *96.8 %* *70.4-141*

Chloride, SM4500Cl-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	01/19/2026	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: JF

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/19/2026	ND	212	106	200	0.921	
DRO >C10-C28*	<10.0	10.0	01/19/2026	ND	195	97.6	200	0.516	
EXT DRO >C28-C36	<10.0	10.0	01/19/2026	ND					

Surrogate: 1-Chlorooctane *68.4 %* *52.4-130*

Surrogate: 1-Chlorooctadecane *64.3 %* *39.9-141*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1-1

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Tracy Hillard	**P.O. #:**
Address: 601 N Marienfeld Street, Suite 400	**Company:** XTO Energy, Inc
City: Midland **State:** TX **Zip:** 79701	**Attn:** Dale Woodall
Phone #: (575) 937-3906 **Fax #:**	**Address:** 3014 E Greene St
Project #: 03C1558783 **Project Owner:** XTO Energy, Inc.	**City:** Carlsbad
Project Name: Big Sinks 02-24-30 - SPILLS	**State:** NM **Zip:** 88220
Project Location: 32.248411, -103.859391	**Phone #:**
Sampler Name: Trevor Wargo	**Fax #:**

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D	Sample I.D.	Depth (feet)	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH 8015	BTEX 8021	Chloride 4500
API-1626																		
H260856																		
1	SS01	Surface	G	1			✓					✓		1/15/25	9:38	↓	↓	↓
2	SS02	↓	↓	↓			↓					↓		↓	9:40			
3	SS03						↓					↓			10:03			
4	SS04						↓					↓			10:20			

TRW

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 affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

CS - 0402401K

Relinquished By: Trevor Wargo	**Date:** 1-16-26 **Time:** 1352	**Received By:**	**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**
Relinquished By:	**Date:** **Time:**	**Received By:**	**All Results are emailed. Please provide Email address:** TWargo@ensolum.com, BBelill@ensolum.com, TMorrissey@ensolum.com, JReich@ensolum.com, CWright@ensolum.com, THillard@ensolum.com, KThomason@ensolum.com, Richard.Kotzur@exxonmibil.com

REMARKS: Incident Numbers: nAPP2531439100, nAPP2524850355
Cost Center: 1080751001
GFCM: 48605000

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 3.8 / Corrected Temp. °C 3.9	**Sample Condition** Cool: ☑ Yes ☐ No; Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)**	**Turnaround Time:** Standard ☑ Rush ☐ Thermometer ID #113 Correction Factor -0.5°C → 3.4 / 3.9

Bacteria (only) Sample Condition Cool: ☐ Yes ☐ No; Intact: ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.2 10/07/21

CARDINAL Laboratories

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

March 25, 2026

CHRIS WRIGHT

ENSOLUM

3122 NATIONAL PARKS HWY

CARLSBAD, NM 88220

RE: BIG SINKS 02-24-30

Enclosed are the results of analyses for samples received by the laboratory on 03/19/26 13:50.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH02 SURFACE	H261548-01	Soil	18-Mar-26 12:20	19-Mar-26 13:50
BH02A 1'	H261548-02	Soil	18-Mar-26 12:24	19-Mar-26 13:50
BH03 SURFACE	H261548-03	Soil	18-Mar-26 12:29	19-Mar-26 13:50
BH03A 1'	H261548-04	Soil	18-Mar-26 12:39	19-Mar-26 13:50

CASE NARRATIVE:

No labels with lot numbers on sample containers for traceability.

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

BH02 SURFACE

H261548-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	6032001	AC	20-Mar-26	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*112 %*	*70.4-141*		*6031931*	JH	*20-Mar-26*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
Surrogate: 1-Chlorooctane			*77.2 %*	*52.4-130*		*6031938*	JF	*23-Mar-26*	*8015B*	
Surrogate: 1-Chlorooctadecane			*75.1 %*	*39.9-141*		*6031938*	JF	*23-Mar-26*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

BH02A 1'

H261548-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	6032001	AC	20-Mar-26	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*70.4-141*		*6031931*	JH	*20-Mar-26*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
Surrogate: 1-Chlorooctane			*75.0 %*	*52.4-130*		*6031938*	JF	*23-Mar-26*	*8015B*	
Surrogate: 1-Chlorooctadecane			*71.1 %*	*39.9-141*		*6031938*	JF	*23-Mar-26*	*8015B*	

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CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

BH03 SURFACE

H261548-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**160**		16.0	mg/kg	4	6032001	AC	20-Mar-26	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*118 %*	*70.4-141*		*6031931*	JH	*20-Mar-26*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
Surrogate: 1-Chlorooctane			*75.0 %*	*52.4-130*		*6031938*	JF	*23-Mar-26*	*8015B*	
Surrogate: 1-Chlorooctadecane			*72.3 %*	*39.9-141*		*6031938*	JF	*23-Mar-26*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

BH03A 1'

H261548-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**144**		16.0	mg/kg	4	6032001	AC	20-Mar-26	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Toluene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	6031931	JH	20-Mar-26	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*110 %*	*70.4-141*		*6031931*	JH	*20-Mar-26*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	6031938	JF	23-Mar-26	8015B	
Surrogate: 1-Chlorooctane			*75.8 %*	*52.4-130*		*6031938*	JF	*23-Mar-26*	*8015B*	
Surrogate: 1-Chlorooctadecane			*73.1 %*	*39.9-141*		*6031938*	JF	*23-Mar-26*	*8015B*	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6032001 - 1:4 DI Water										
Blank (6032001-BLK1)				Prepared & Analyzed: 20-Mar-26						
Chloride	ND	16.0	mg/kg							
LCS (6032001-BS1)				Prepared & Analyzed: 20-Mar-26						
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (6032001-BSD1)				Prepared & Analyzed: 20-Mar-26						
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6031931 - Volatiles										
Blank (6031931-BLK1)				Prepared: 19-Mar-26 Analyzed: 20-Mar-26						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0546*		mg/kg	*0.0500*		*109*	*70.4-141*			
LCS (6031931-BS1)				Prepared: 19-Mar-26 Analyzed: 20-Mar-26						
Benzene	2.28	0.050	mg/kg	2.00		114	71-111			BS-3
Toluene	2.22	0.050	mg/kg	2.00		111	75-116			
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	74.2-119			
m,p-Xylene	4.55	0.100	mg/kg	4.00		114	72.5-123			
o-Xylene	2.22	0.050	mg/kg	2.00		111	70.5-124			
Total Xylenes	6.76	0.150	mg/kg	6.00		113	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0492*		mg/kg	*0.0500*		*98.4*	*70.4-141*			
LCS Dup (6031931-BSD1)				Prepared: 19-Mar-26 Analyzed: 20-Mar-26						
Benzene	2.31	0.050	mg/kg	2.00		116	71-111	1.21	17.6	BS-3
Toluene	2.28	0.050	mg/kg	2.00		114	75-116	2.77	14.8	
Ethylbenzene	2.26	0.050	mg/kg	2.00		113	74.2-119	3.65	14.2	
m,p-Xylene	4.73	0.100	mg/kg	4.00		118	72.5-123	3.83	13.6	
o-Xylene	2.32	0.050	mg/kg	2.00		116	70.5-124	4.74	13.7	
Total Xylenes	7.05	0.150	mg/kg	6.00		117	72.2-123	4.13	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0498*		mg/kg	*0.0500*		*99.6*	*70.4-141*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

ENSOLUM 3122 NATIONAL PARKS HWY CARLSBAD NM, 88220	Project: BIG SINKS 02-24-30 Project Number: 03C1558783 Project Manager: CHRIS WRIGHT Fax To:	Reported: 25-Mar-26 09:57

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6031938 - General Prep - Organics										
Blank (6031938-BLK1)				Prepared: 19-Mar-26 Analyzed: 23-Mar-26						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*46.0*		mg/kg	*50.0*		*92.1*	*52.4-130*			
Surrogate: 1-Chlorooctadecane	*45.9*		mg/kg	*50.0*		*91.9*	*39.9-141*			
LCS (6031938-BS1)				Prepared: 19-Mar-26 Analyzed: 23-Mar-26						
GRO C6-C10	224	10.0	mg/kg	200		112	78.7-123			
DRO >C10-C28	215	10.0	mg/kg	200		107	74.8-123			
Total TPH C6-C28	439	10.0	mg/kg	400		110	78.6-121			
Surrogate: 1-Chlorooctane	*45.6*		mg/kg	*50.0*		*91.2*	*52.4-130*			
Surrogate: 1-Chlorooctadecane	*46.0*		mg/kg	*50.0*		*92.0*	*39.9-141*			
LCS Dup (6031938-BSD1)				Prepared: 19-Mar-26 Analyzed: 23-Mar-26						
GRO C6-C10	229	10.0	mg/kg	200		115	78.7-123	2.13	11.3	
DRO >C10-C28	222	10.0	mg/kg	200		111	74.8-123	3.13	10.9	
Total TPH C6-C28	451	10.0	mg/kg	400		113	78.6-121	2.62	10.5	
Surrogate: 1-Chlorooctane	*50.6*		mg/kg	*50.0*		*101*	*52.4-130*			
Surrogate: 1-Chlorooctadecane	*51.0*		mg/kg	*50.0*		*102*	*39.9-141*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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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.
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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Ensolum, LLC	**BILL TO**
Project Manager: Chris Wright	P.O. #:
Address: 3122 National Parks Hwy	Company: XTO Energy, Inc
City: Carlsbad State: NM Zip: 88220	Attn: Dale Woodall
Phone #: 575-706-6266 Fax #: CFW	Address: 3104 E Greene St
Project #: 03C1558783 Project Owner: XTO Energy, Inc	City: Carlsbad
Project Name: Big Sinks 02-24-30	State: NM Zip: 88220
Project Location: 32.2485,-103.85958	Phone #:
Sampler Name: Chris Wright	Fax #: CFW

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX	TPH	CHLORIDE
H261548																		
1	BH02	Surface	G	1			X					X		3/18/2026	1220	X	X	X
2	BH02A	1	G	1			X					X		3/18/2026	1224	X	X	X
3	BH03	Surface	G	1			X					X		3/18/2026	1229	X	X	X
4	BH03A	1	G	1			X					X		3/18/2026	1239	X	X	X

Relinquished By: CFW	Date: 3-19-26 Time: 1350	Received By: Tamara Oldaker	NO ICE Used
Relinquished By:	Date: Time:	Received By:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 0.9 Corrected Temp. °C 1.0	Sample Condition Cool: Yes / No Intact: Yes / No	CHECKED BY: (Initials) TO

Verbal Result: ☐ Yes ☐ No Add'l Phone #:
All Results are emailed. Please provide Email address:
cwright@ensolum.com, tmorrissey@ensolum.com, kthomason@ensolum.com, richard.kotzur@exxonmobil.com

REMARKS:
Incident ID: nAPP2524850355 and nAPP2531439100
Cost Center: 1080751001
GFCM: 48605000 - Spills

Turnaround Time: Standard ☑ Rush ☐
Thermometer ID #140
Correction Factor +0.3°C +0.1°C

Bacteria (only) Sample Condition: Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C

FORM-000 R 3.0 02/12/25

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

ENSOLUM

APPENDIX E

Spill Volume Calculations

Location:	**BIG SINKS 02-24-30 STATE BATTERY**	
Spill Date:	**9/2/2025**	
Incident:	**nAPP2524850355**	
Area 1		
Approximate Area =	3,600	sq. ft.
Average Saturation (or depth) of spill =	0.22	inches
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	10.00	bbls
Area 2		
Approximate Area =	0	sq. ft.
Average Saturation (or depth) of spill =	0.00	inches
Average Porosity Factor =	0.00	
VOLUME OF LEAK		
Total Crude Oil =		bbls
Total Produced Water =	0.00	bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =		**bbls**
Total Produced Water =	**10.00**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =		**bbls**
Total Produced Water =	**10.00**	**bbls**

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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS

Action 504635

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 504635
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2524850355**
Incident Name	**NAPP2524850355 BIG SINKS 2 24 30 @ FAPP2123046888**
Incident Type	**Produced Water Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2123046888] Big Sinks 2 24 30**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG SINKS 2 24 30
Date Release Discovered	09/02/2025
Surface Owner	State

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 | Pump | Produced Water | Released: 10 BBL | Recovered: 10 BBL | Lost: 0 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)	spill was in lined containment. 10 bbls released. 10 bbls recovered.

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 504635
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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 safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 09/10/2025

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QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	5380
	Action Number: 504635
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Action 504635

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 504635
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/10/2025

Location:	**Big Sinks 02-24-30**	
Spill Date:	**11/9/2025**	
Incident #:	**nAPP2531439100**	
Area 1		
Approximate Area =	2750	sq. ft.
Average Saturation (or depth) of spill =	1	inches
Average Porosity Factor =	1	
VOLUME OF LEAK		
Total Crude Oil =	40	bbls
Total Produced Water =	0	bbls
VOLUME OF LEAK		
Total Crude Oil =	0	bbls
Total Produced Water =	0	bbls
TOTAL VOLUME OF LEAK		
Total Crude Oil =	**40**	**bbls**
Total Produced Water =	**0**	**bbls**
TOTAL VOLUME RECOVERED		
Total Crude Oil =	**40**	**bbls**
Total Produced Water =		**bbls**

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QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 524854
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2531439100**
Incident Name	**NAPP2531439100 BIG SINKS 02-24-30 @ FAPP2135035700**
Incident Type	**Oil Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2135035700] Big Sinks 02-24-30**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Big Sinks 02-24-30
Date Release Discovered	11/09/2025
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure | Tank (Any) | Crude Oil | Released: 40 BBL | Recovered: 40 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure | Tank (Any) | Natural Gas Vented | Released: 0 Mcf | Recovered: 0 Mcf | Lost: 0 Mcf.
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 524854
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

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 safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Gustavo Sanchez Title: Environmental Contractor Email: gustavo.sanchez@exxonmobil.com Date: 11/10/2025

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 524854
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 524854
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	11/12/2025

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QUESTIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2524850355**
Incident Name	**NAPP2524850355 BIG SINKS 2 24 30 @ FAPP2123046888**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fAPP2123046888] Big Sinks 2 24 30**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG SINKS 2 24 30
Date Release Discovered	09/02/2025
Surface Owner	State

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 | Pump | Produced Water | Released: 10 BBL | Recovered: 10 BBL | Lost: 0 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)	spill was in lined containment. 10 bbls released. 10 bbls recovered.

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**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 safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/13/2026

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and 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 1 and 5 (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	Greater than 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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	3520
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
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	11/14/2025
On what date will (or did) the final sampling or liner inspection occur	03/18/2026
On what date will (or was) the remediation complete(d)	03/18/2026
What is the estimated surface area (in square feet) that will be reclaimed	3430
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3430
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the 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.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	No impacted soil identified
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.	
I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/13/2026
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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Phone: (505) 476-3441

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 (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**561950**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**03/18/2026**
What was the (estimated) number of samples that were to be gathered	**4**
What was the sampling surface area in square feet	**700**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	3430
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	3430
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Liner integrity inspection and delineation activities were conducted at the Site to address the September 2025 release of produced water and the November 2025 release of crude oil. Laboratory analytical results for all delineation soil samples collected outside of the lined containment indicated all COC concentrations were compliant with reclamation requirements. Laboratory analytical results from the borehole delineation soil samples from inside the containment indicated all COC concentrations were in compliance with Site Closure Criteria. Based on the soil sample analytical results, no impacted soil was identified, and no further remediation was required. XTO has patched the tear in the liner following completion of delineation activities. Delineation of potential impacts at this Site did not identify impacted soil below the lined containment in exceedance of the Closure Criteria, and the release was entirely contained within the walls of the containment. Depth to groundwater has been established to be greater than 100 feet bgs and no other sensitive receptors were identified near the Site. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Numbers nAPP2524850355 and nAPP2531439100.
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Richard Kotzur Title: Senior Project Manager Email: NMEnvNotifications@exxonmobil.com Date: 04/13/2026

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QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 574429

CONDITIONS

Operator: XTO ENERGY, INC 3617 North Big Spring Street Midland, TX 79705	OGRID: 5380
	Action Number: 574429
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	4/16/2026