

From: [Hall, Brittany, EMNRD](#)
To: [Tacoma Morrissey](#)
Cc: [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); robert.d.woodall@exxonmobil.com; richard.kotzur@exxonmobil.com; ["jboxley@ensolum.com"](mailto:jboxley@ensolum.com)
Subject: RE: [EXTERNAL] Re: The Oil Conservation Division (OCD) has rejected the application, Application ID: 537895
Date: Friday, May 8, 2026 2:53:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

Tacoma,

The sampling plan for incident number nAB1817134432 is denied as XTO is proposing that the delineation borehole samples be approved to be used as confirmation soil samples. Pursuant to 19.15.29.12 D. (1) NMAC, The responsible party must test the remediated areas for contamination with representative five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas. The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC or constituents from other applicable remediation standards. Additionally, per 19.15.29.12 D. (1)(b) NMAC, The responsible party may submit a composite and grab sample plan for the division's review and approval separately or with the remediation plan.

As the samples proposed will be discrete samples and not composite, a variance must be requested to use discrete samples as closure samples. Per 19.15.29.14 A. NMAC, A responsible party may file a written request for a variance from any requirement of 19.15.29 NMAC with the appropriate division district office. The variance request must include: **(1)** a detailed statement explaining the need for a variance; and **(2)** a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health and the environment.

If a sampling plan is resubmitted, please include how the total volume of soil remediated of 272 cubic yards was determined.

Please let me know if you have any questions or require additional information.

Thank you,

Brittany Hall ● Environmental Field Compliance Supervisor

Environmental Field Compliance Group

EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

505.517.5333 | Brittany.Hall@emnrd.nm.gov

<http://www.emnrd.nm.gov/oed/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under "2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS".

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

From: Tacoma Morrissey <tmorrissey@ensolum.com>
Sent: Wednesday, May 6, 2026 10:29 AM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Woodall, Robert D <robert.d.woodall@exxonmobil.com>; Kotzur, Richard <richard.kotzur@exxonmobil.com>; Ben Belill <richard.kotzur@exxonmobil.com>; >; Josh Boxley <jboxley@ensolum.com>
Subject: [EXTERNAL] Re: The Oil Conservation Division (OCD) has rejected the application, Application ID: 537895

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

Dear Ms. Wells,

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Sampling Plan*, in accordance with direction from the NMOCD, to propose delineation and soil sampling activities following a release of produced water and previous remediation activities at the Big Eddy Unit #156 (Site). The sampling plan proposes delineation and confirmation soil sample locations. The attached appendices provide supporting documents discussed below for your reference.

The Site is located in Unit D, Section 11, Township 22 South, Range 28 East, in Eddy County, New Mexico (32.4129562°, -104.0640182°) and is associated with oil and gas exploration and production operations on Federal land managed by the Bureau of Land Management (BLM).

On June 8, 2018, a production tank overflowed during pigging operations resulting in the release of approximately 18 barrels (bbls) of produced water into a steel walled lined containment. Approximately 4 bbls overflowed onto the surface of the pad, north of the lined containment and onto the previously disturbed area west and south of the lined containment. A vacuum truck was dispatched to the Site to recover free-standing fluid; approximately 14 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on June 12, 2018, and was assigned Remediation Permit (RP) Number 2RP-4809 and Incident Number nAB1817134432.

The release was included in the Compliance Agreement for Remediation for Historical Releases (Compliance Agreement) between XTO and the NMOCD effective November 13, 2018. The purpose of the Compliance Agreement was to ensure that reportable releases that

occurred prior to August 14, 2018, where XTO is responsible for the corrective action, comply with Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC) as amended on August 14, 2018.

Excavation of impacted soil was completed in 2018. A *Closure Request* was submitted by LT Environmental, Inc (LTE) on October 5, 2018, via email, however, there is no documentation on the NMOCD web portal. On December 26, 2025, an updated *Closure Request* was submitted to the NMOCD via the NMOCD online portal to ensure compliance with the December 1, 2023, *Public Notice Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions*; the report detailed the remediation completed to date and requested closure for Incident Number nAB1817134432.

On February 5, 2026, the NMOCD denied the *Closure Request* for the following reasons:

Remediation closure denied for the following reasons:

1) In the C-141 application, to the question, "What was the total surface area (in square feet) remediated," was answered "4910". Per 19.15.29.12.D NMAC, 25 confirmation samples should have been collected from the base of the excavation. More samples are required to be collected to confirm there are no remaining impacts. A sampling plan should be submitted to the reviewer via email for approval prior to collection.

2) In the C-141 application, to the question, "What was the total volume (cubic yards) remediated," was answered "4910". Provide waste disposal manifests. 3) Pursuant to 19.15.29.12.E NMAC, photographs of the remediated site prior to backfill are required in the final report. These are missing. Submit an updated remediation closure request to the OCD by 5/6/2026.

This *Sampling Plan* is intended to address the requirement that more soil samples be collected to confirm the absence of impacts, and to fulfill the request that a sampling plan be submitted for approval before sample collection.

In the *Closure Request* the total volume of soil remediated is reported to be 272 cubic yards, and the total surface area remediated is reported to be 4,910 square feet. The answer referenced in the denial on the C-141 application which stated that the total volume of remediated soil was 4,910 cubic yards was a clerical error, wherein square footage of the total surface area remediated was erroneously entered into the total volume remediated field. The answer recorded on the referenced C-141 application question is incorrect. The correct value of the total volume remediated, 272 cubic yards, is reported in the *Closure Request* associated with that same C-141 application. Upon request, the waste disposal facility, Lea Land Landfill located in Eunice, New Mexico, provided the waste manifests accounting for the impacted soil removed during 2018 remediation activities at the Site. Waste disposal manifests are presented in Appendix A.

Photographs collected by LTE of the remediated Site after excavation and prior to backfill are not available. Re-excavation of the remediated Site would require deconstruction of a lined containment housing active production equipment. Between July 31, 2018 and December 29, 2019, historic satellite imagery shows that the excavation was backfilled and the lined

containment east of the excavation extent was expanded westward. The lined containment is currently installed over the backfilled excavation, and occupies approximately 1,610 square feet of surface area inside the historic excavation extent. The current extent of the expanded lined containment on top of the backfilled excavation is presented on Figure 3, and a photographic log is included in Appendix C.

The Site was characterized to determine 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. 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 permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 322547104035001, located approximately 1.16 miles north of the Site. On January 27, 1998, the groundwater well had a reported depth to groundwater of 128.52 feet bgs; the depth of the well was not determined. The Well Record is presented in Appendix B. The closest surface water to the Site is a seasonal Playa Lake located 2,074 feet to the east. 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 underlain by potentially unstable geology (medium potential karst designation area). Potential Site receptors are identified on Figure 1. Based on the results of the Site Characterization, and the NMOCD's preference for groundwater data within half a mile of the Site and within 25 years, the following NMOCD Table I Closure Criteria (Closure Criteria) were applied:

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

XTO is proposing to advance 8 delineation boreholes (BH01 through BH08) to a minimum terminal depth of 4 feet bgs to confirm the presence or absence of impacted soil. Delineation borehole BH08 will be located within the lined containment to confirm the presence or absence of impacted soil beneath the containment. Discrete soil samples will be collected in each borehole at ground surface, 1 foot bgs, and at each foot until the terminal depth of the borehole is achieved. Additionally, XTO is proposing 7 lateral delineation samples (SS08 through SS14) collected at ground surface to confirm the lateral extent of the release. The soil samples will be field screened for volatile aromatic hydrocarbons (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. At a minimum the highest screening soil sample and deepest soil sample will be submitted from each borehole location to an approved laboratory under strict chain-of-custody procedures for analysis of contaminants of concern (COC) in accordance with the Site Closure Criteria.

All soil identified outside the lined containment that indicates COC concentrations exceed the Closure Criteria will be fully delineated and removed via excavation. In the event that laboratory analytical data from delineation borehole samples confirms all COC concentrations

are in compliance with the Closure Criteria, XTO proposes that the delineation borehole samples be considered as confirmation soil samples. All proposed sample locations are presented on Figure 3.

XTO believes this *Sampling Plan* meets the NMOCDs requirement to complete additional soil sampling to confirm the remediation work completed and described in the *Closure Report* successfully removed all impacted soil. Delineation activities will commence within 30 days of approval of the *Sampling Plan*. A remediation work plan to address any impacted soil will be submitted to the NMOCD for review and approval within 30 days of receipt of final delineation sampling laboratory analytical data. Based on this schedule, XTO requests an extension of the Remediation Closure Report Due date to 90 days after the approval of this *Sampling Plan*. XTO requests approval of this *Sampling Plan* and communication of any additional sampling requests for incident number nAB1817134432.

Thank you for your review and consideration,



Tacoma Morrissey,

P.G.

(licensed in TX)
Associate Principal
337-257-8307

Ensolum, LLC

in f X

From: OCDOnline@emnrd.nm.gov <OCDOnline@emnrd.nm.gov>

Sent: Thursday, February 5, 2026 2:28 PM

To: NM Env Notifications /SM <NMEnvNotifications@exxonmobil.com>

Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 537895

To whom it may concern (c/o dale woodall for XTO ENERGY, INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action (C-141)*, for incident ID (n#) nAB1817134432, for the following reasons:

- **Remediation closure denied for the following reasons:**
- **1) In the C-141 application, to the question, “What was the total surface area (in square feet) remediated,” was answered “4910”. Per 19.15.29.12.D NMAC, 25 confirmation samples should have been collected from the base of the**

excavation. More samples are required to be collected to confirm there are no remaining impacts. A sampling plan should be submitted to the reviewer via email for approval prior to collection.

- **2) In the C-141 application, to the question, “What was the total volume (cubic yards) remediated,” was answered “4910”. Provide waste disposal manifests.**
- **3) Pursuant to 19.15.29.12.E NMAC, photographs of the remediated site prior to backfill are required in the final report. These are missing.**
- **Submit an updated remediation closure request to the OCD by 5/6/2026.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 537895.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

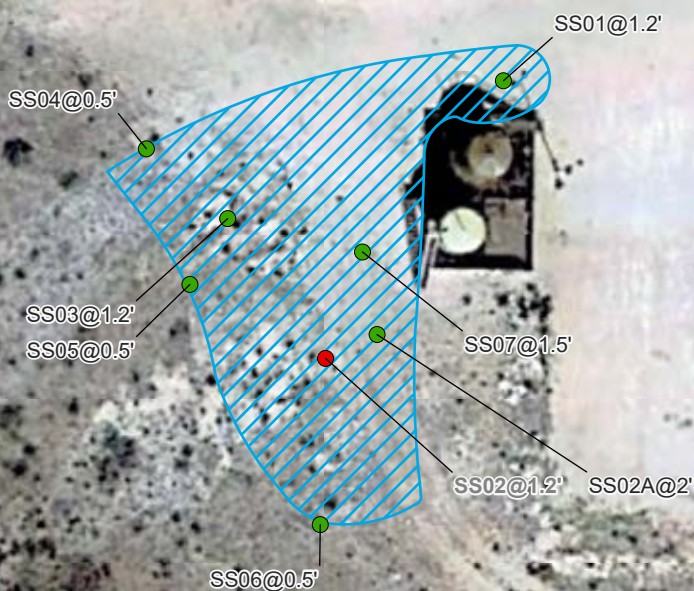
New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



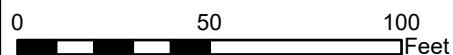
FIGURES

Legend

- Confirmation Soil Sample Compliant with Closure Criteria
- Confirmation Soil Sample Not Compliant with Closure Criteria
- Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation requirement where applicable
 Grey text indicates soil sample removed during excavation activities



Sources:
 Google Earth March 2016



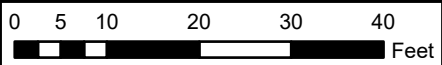
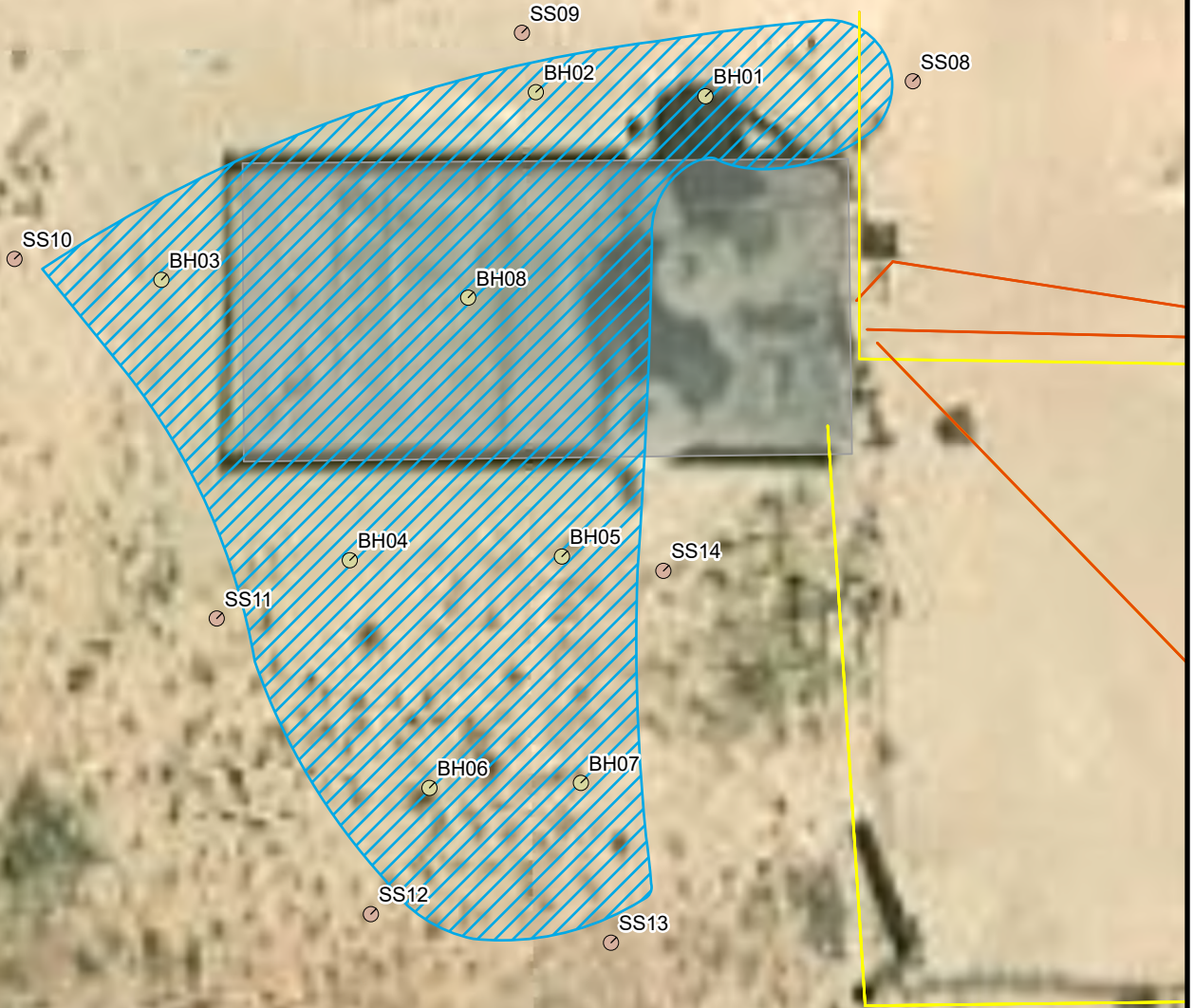
Confirmation Soil Sample Locations

XTO Permian Operating, LLC
 Big Eddy Unit #156
 Incident Number: nAB1817134432
 Unit D, Section 11, Township 22 South, Range 28 East
 Eddy County, New Mexico

FIGURE
2

Legend

- Delineation Soil Sample - Proposed
- Delineation Borehole Sample - Proposed
- Oil and Gas Utility Line
- Electric Utility Line
- Lined Containment
- Excavation Extent



Sources: Environmental Systems Research Institute (ESRI)

Proposed Delineation Soil Sample Locations

XTO Permian Operating, LLC
 Big Eddy Unit #156
 Incident Number: nAB1817134432
 Unit D, Section 11, Township 22 South, Range 28 East
 Eddy County, New Mexico

FIGURE 3





APPENDIX A

Waste Disposal Manifests

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Wielers

NON-HAZARDOUS WASTE MANIFEST

NO **125493**

1. PAGE OF

2. TRAILER NO. **01**

G	3. COMPANY NAME XTO-Energy	4. ADDRESS 3104 E. Green Street CITY STATE ZIP Carlsbad NM 88220			5. PICK-UP DATE 8/1/2018			
	PHONE NO.				6. TNRCC I.D. NO.			
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED: Non-Regulated, Non Hazardous Waste				8. CONTAINERS	9. TOTAL	10. UNIT	11. TEXAS
					No.	QUANTITY	Wt/Vol.	WASTE ID #
					Type			
N					1	CM		
	b.							
	c.							
R	d. 26,880							
	12. COMMENTS OR SPECIAL INSTRUCTIONS: BEU 156				13. WASTE PROFILE NO. 910623			
A	14. IN CASE OF EMERGENCY OR SPILL, CONTACT							
	NAME JOE ONTIVEROS		PHONE NO 575-887-4048		24-HOUR EMERGENCY NO.			
	15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC							
O	PRINTED/TYPED NAME				SIGNATURE		DATE	
T	16. TRANSPORTER (1)				17. TRANSPORTER (2)			
	NAME: <u>TEX.MEX DRILLING</u>				NAME:			
	TEXAS I.D. NO.				TEXAS I.D. NO.			
	IN CASE OF EMERGENCY CONTACT: <u>KYLE FREEMAN</u>				IN CASE OF EMERGENCY CONTACT:			
	EMERGENCY PHONE: <u>(432) 209-4270</u>				EMERGENCY PHONE:			
R	18. TRANSPORTER (1): Acknowledgment of receipt of material				19. TRANSPORTER (2): Acknowledgment of receipt of material			
	PRINTED/TYPED NAME: <u>Johan Unger</u>				PRINTED/TYPED NAME: _____			
	SIGNATURE: <u>Johan Unger</u> DATE: <u>8/1/2018</u>				SIGNATURE: _____ DATE: _____			
D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM			PHONE: 575-887-4048		
	PERMIT NO. WM-01-035 - New Mexico				20. COMMENTS			
	21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.							
S	AUTHORIZED SIGNATURE: <u>Santos Gonzalez</u>				CELL NO.		DATE: <u>8/1/2018</u>	
							TIME: <u>9:50</u>	

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND, LLC
OIL FIELD WASTE LANDFILL

1300 W. MAIN STREET
 OKLAHOMA CITY, OK 73106

PHONE: 405-236-4257
 FAX: 405-236-4261

Bill To:

KYLE LITRELL
 XTO ENERGY
 500 W. ILLINOIS #100
 MIDLAND, TX 79701

6-25

INVOICE # 25524

Date: 6/21/2018

P.O. Number:

Charge to: BEU #156

Date(s) of Service: 6/14/2018
 (Caliche)

Manifest #: 124537, 124538

Ship Via: Tex Mex Drilling

Qty	U/M	Description	Unit Price	Total
56.08	Tons	Non-regulated & non-hazardous waste (soil)	\$20.00	\$1,121.60
41.15	Tons	Clean backfill material (caliche)	\$12.00	\$493.80
Landfill located at Carlsbad, NM				

TERMS: NET 30

Subtotal	\$1,615.40
Sales tax rate	5.500%
Sales tax	\$88.85
Total	\$1,704.25

Make all checks payable to LEA LAND, LLC

If you have any questions concerning this invoice, please contact:

Saralyn Hall at 405-519-1187 E-mail: shall119@cox.net

Thank you for your business!

Justin Weber 6/25/2018
 Justin Weber

well# 735180
 672-700

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Wlieler

NON-HAZARDOUS WASTE MANIFEST

NO **124537**

1. PAGE OF

2. TRAILER NO. **01**

G	3. COMPANY NAME XTO-Energy	4. ADDRESS 3104 E. Green Street	5. PICK-UP DATE 8/14/2018	
	PHONE NO. (575) 887-7329	CITY STATE ZIP Carlsbad NM 88220	6. TNRCC I.D. NO.	
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No.	9. TOTAL QUANTITY
	Non-Regulated, Non Hazardous Waste		1	CM
	b.			
	c.			
R	d. 57020			
	12. COMMENTS OR SPECIAL INSTRUCTIONS: BEU # 156		13. WASTE PROFILE NO. 910623	
A	14. IN CASE OF EMERGENCY OR SPILL, CONTACT			
	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048	24-HOUR EMERGENCY NO.
O	15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC			
	PRINTED/TYPED NAME		SIGNATURE	DATE
T	16. TRANSPORTER (1)		17. TRANSPORTER (2)	
	NAME: TEX.MEX DRILLING		NAME:	
	TEXAS I.D. NO.		TEXAS I.D. NO.	
	IN CASE OF EMERGENCY CONTACT: KYLE FREEMAN		IN CASE OF EMERGENCY CONTACT:	
R	EMERGENCY PHONE: (432) 209-4270		EMERGENCY PHONE:	
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material	
	PRINTED/TYPED NAME Willie Ulieler		PRINTED/TYPED NAME _____	
	SIGNATURE <i>[Signature]</i> DATE 8/14/2018		SIGNATURE _____ DATE _____	
D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	
	PHONE: 575-887-4048			
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS	
S	21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.			
	AUTHORIZED SIGNATURE <i>[Signature]</i>		CELL NO.	DATE 8/14/2018

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Tex. Mex

NON-HAZARDOUS WASTE MANIFEST

NO **124538**

1. PAGE OF

2. TRAILER NO. **01**

G	3. COMPANY NAME XTO-Energy	4. ADDRESS 3104 E. Green Street.	5. PICK-UP DATE 6/14/2018
	PHONE NO. (575) 887-7329	CITY STATE ZIP Carlsbad NM 88220	6. TNRCC I.D. NO.

E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	Non-Regulated, Non-Hazardous Waste	1 CM			
	b.				
	c.				

R	d. 55/40				
	12. COMMENTS OR SPECIAL INSTRUCTIONS: BEU # 150	13. WASTE PROFILE NO. 910623			

A	14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME JOE ONTIVEROS	PHONE NO. 575-887-4048	24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

T	PRINTED/TYPED NAME	SIGNATURE	DATE
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R	16. TRANSPORTER (1) NAME: TEX.MEX DRILLING	17. TRANSPORTER (2) NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: KYLE FREEMAN	IN CASE OF EMERGENCY CONTACT:
	EMERGENCY PHONE: (432) 209-4270	EMERGENCY PHONE:

T	18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
	PRINTED/TYPED NAME Johan Unger	PRINTED/TYPED NAME
	SIGNATURE Johan Unger DATE 6/14/2018	SIGNATURE DATE

D	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
----------	---------------	---	------------------------

F	PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS
----------	---	--------------

21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

S	AUTHORIZED SIGNATURE Dantos Gonzalez	CELL NO.	DATE 6/14/2018	TIME 3:40
----------	--	----------	--------------------------	---------------------

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND, LLC
OIL FIELD WASTE LANDFILL
 1300 W. MAIN STREET
 OKLAHOMA CITY, OK 73106

2-10

PHONE: 405-236-4257
 FAX: 405-236-4261

Bill To:
 KYLE LITTRELL
 XTO ENERGY
 500 W. ILLINOIS #100
 MIDLAND, TX 79701

INVOICE # 25561

Date: 6/28/2018

P.O. Number:

Charge to: BEU #156

2RP-3176

Date(s) of Service: 06/20/18 - 06/21/18
 (Caliche)

Manifest #: See Attached List

Ship Via: Tex Mex Drilling

Qty	U/M	Description	Unit Price	Total
212.51	Tons	Non-regulated & non-hazardous waste (soil)	\$20.00	\$4,250.20
80.95	Tons	Clean backfill material (caliche)	\$12.00	\$971.40
Landfill located at Carlsbad, NM				

TERMS: NET 30

Subtotal	\$5,221.60
Sales tax rate	5.500%
Sales tax	\$287.19
Total	\$5,508.79

Make all checks payable to LEA LAND, LLC
If you have any questions concerning this invoice, please contact:
 Saralyn Hall at 405-519-1187 E-mail: shall119@cox.net

Thank you for your business!

Well Name BEU 156
 AFE / EXP 602.60
 Description Remediation 2RP-3176
 Printed Name Kyle Littrell
 Signature [Signature]
 Date 7-10-18 G.L.

XTO Energy Statement - Total Received

<i>Receive Date</i>	<i>Manifest Number</i>	<i>Lease Name</i>	<i>Weight (lbs.)</i>	<i>Weight (Tons)</i>
6/20/2018	124587	BEU #156	100,240	50.12
6/20/2018	124588	BEU #156	101,800	50.90
6/21/2018	124594	BEU #156	113,740	56.87
6/21/2018	124595	BEU #156	109,240	54.62
			TOTALS:	
			425,020	212.51
			<i>lbs.</i>	<i>Tons</i>

Lea Land Landfill New Mexico

Mile Market # 64 US Highway 62/180

30 miles East of Carlsbad, NM * (505) 887-4048

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Tex. Mex

NON-HAZARDOUS WASTE MANIFEST

NO **124587**

1. PAGE ___ OF ___

2. TRAILER NO. **04**

G	3. COMPANY NAME XTO-Energy	4. ADDRESS 3104 E. Green Street			5. PICK-UP DATE 6/20/2018			
	PHONE NO. (575) 887-7329				CITY Carlsbad	STATE NM	ZIP 88220	6. TNRCC I.D. NO.
E	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS	9. TOTAL	10. UNIT	11. TEXAS
	Non-Regulated, Non Hazardous Waste				No.	QUANTITY	Wt/Vol.	WASTE ID #
	b.				1			
	c.				CM			
R	d. 53,320 46,920							
	12. COMMENTS OR SPECIAL INSTRUCTIONS: BEU # 158				13. WASTE PROFILE NO. 910623			
A	14. IN CASE OF EMERGENCY OR SPILL, CONTACT							
	NAME JOE ONTIVEROS			PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.		
O	15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC							
	PRINTED/TYPED NAME			SIGNATURE		DATE		
T	16. TRANSPORTER (1)			17. TRANSPORTER (2)				
	NAME: TEX.MEX DRILLING			NAME:				
	TEXAS I.D. NO.			TEXAS I.D. NO.				
	IN CASE OF EMERGENCY CONTACT: KYLE FREEMAN			IN CASE OF EMERGENCY CONTACT:				
R	EMERGENCY PHONE: (432) 209-4270			EMERGENCY PHONE:				
	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material				
	PRINTED/TYPED NAME Johan Unger			PRINTED/TYPED NAME				
	SIGNATURE Johan Unger DATE 6/20/2018			SIGNATURE DATE				
D	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM			PHONE: 575-887-4048		
	PERMIT NO. WM-01-035 - New Mexico			20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.							
F	AUTHORIZED SIGNATURE Santos Gonzalez			CELL NO.		DATE 6/20/2018	TIME 1:30	

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Tex. Mex

NON-HAZARDOUS WASTE MANIFEST NO **124588** 1. PAGE OF 2. TRAILER NO. **10**

G E	3. COMPANY NAME XTO-Energy	4. ADDRESS 3104 E. Green Street	5. PICK-UP DATE 6/20/2018
	PHONE NO. (575) 887-7329	CITY STATE ZIP Carlsbad NM 88220	6. TNRCC I.D. NO.

N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	Non-Regulated, Non Hazardous Waste	1 CM			
	b.				
	c.				

A	12. COMMENTS OR SPECIAL INSTRUCTIONS: BEU # 158	13. WASTE PROFILE NO. 910623
	<i>TP 101,800</i>	

T	14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
	NAME JOE ONTIVEROS	PHONE NO. 575-887-4048	24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
--------------------	-----------	------

T R A N S P O R T E R S	16. TRANSPORTER (1)	17. TRANSPORTER (2)
	NAME: TEX.MEX DRILLING	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: KYLE FREEMAN	IN CASE OF EMERGENCY CONTACT:

18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME <i>Cornelia Thiesen</i>	PRINTED/TYPED NAME
SIGNATURE <i>[Signature]</i> DATE 6/20/2018	SIGNATURE DATE

D I S P O S I T A L Y	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
---	---------------	---	------------------------

PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS
---	--------------

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <i>[Signature]</i>	CELL NO.	DATE 6/20/2018	TIME 1:50
--	----------	--------------------------	---------------------

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Wieder

NON-HAZARDOUS WASTE MANIFEST

NO 124594

1. PAGE ___ OF ___

2. TRAILER NO. *01*

G E N E R A T O R	3. COMPANY NAME XTO-Energy	4. ADDRESS 3104 E. Green Street	5. PICK-UP DATE 6/21/2018	
	PHONE NO. (575) 887-7329	CITY STATE ZIP Carlsbad NM 88220	6. TNRCC I.D. NO.	
N E M P L Y	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type	9. TOTAL QUANTITY
	Non-Regulated, Non Hazardous Waste		1 CM	
	b.			
	c.			
A U T H O R I Z E D	12. COMMENTS OR SPECIAL INSTRUCTIONS: BEU # 158		13. WASTE PROFILE NO. 910623	
	<i>Te 113,740</i>			
T R A N S P O R T E R S	14. IN CASE OF EMERGENCY OR SPILL, CONTACT			
	NAME JOE ONTIVEROS	PHONE NO. 575-887-4048	24-HOUR EMERGENCY NO.	
D I S P O S I T A L Y	15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC			
	PRINTED/TYPED NAME	SIGNATURE	DATE	
D I S P O S I T A L Y	16. TRANSPORTER (1) NAME: TEX.MEX.DRILLING		17. TRANSPORTER (2)	
	TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: KYLE FREEMAN		NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT:	
D I S P O S I T A L Y	EMERGENCY PHONE: (432) 208-4270		EMERGENCY PHONE:	
	18. TRANSPORTER (1): Acknowledgment of receipt of material		19. TRANSPORTER (2): Acknowledgment of receipt of material	
D I S P O S I T A L Y	PRINTED/TYPED NAME <i>Willie Wieder</i>		PRINTED/TYPED NAME	
	SIGNATURE <i>[Signature]</i> DATE 6/21/2018		SIGNATURE DATE	
D I S P O S I T A L Y	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS		
D I S P O S I T A L Y	21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.			
	AUTHORIZED SIGNATURE <i>[Signature]</i>	CELL NO.	DATE 6/21/2018	TIME 9:35

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Tex. Mex

NON-HAZARDOUS WASTE MANIFEST

NO **124595**

1. PAGE OF

2. TRAILER NO. **04**

G E N E R A T O R	3. COMPANY NAME XTO-Energy	4. ADDRESS 3104.E. Green Street.	5. PICK-UP DATE 8/21/2018			
	PHONE NO. (575) 887-7329	CITY STATE ZIP Carlsbad NM 88220	6. TNRCC I.D. NO.			
N E R T E R S	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	a. Non-Regulated, Non Hazardous Waste		1 CM			
	b.					
	c.					
A U T H O R I Z E D	d. 50 P 80 58560					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: BEU # 158			13. WASTE PROFILE NO. 810823		
T R A N S P O R T E R S	14. IN CASE OF EMERGENCY OR SPILL, CONTACT					
	NAME JOE ONTIVEROS		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.	
D I S P O S I T Y	15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME			SIGNATURE		DATE
D I S P O S I T Y	16. TRANSPORTER (1)			17. TRANSPORTER (2)		
	NAME: TEX.MEX DRILLING			NAME:		
D I S P O S I T Y	TEXAS I.D. NO.			TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: KYLE FREEMAN			IN CASE OF EMERGENCY CONTACT:		
D I S P O S I T Y	EMERGENCY PHONE: (432) 209-4270			EMERGENCY PHONE:		
	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material		
D I S P O S I T Y	PRINTED/TYPED NAME Johan Unger			PRINTED/TYPED NAME		
	SIGNATURE Johan Unger DATE 8/21/2018			SIGNATURE DATE		
D I S P O S I T Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico			20. COMMENTS		
D I S P O S I T Y	21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE [Signature]		CELL NO.		DATE 8/21/2018	

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1



APPENDIX B

Well Record and Log



USGS Home
 Contact USGS
 Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

i Ground water level pages will be decommissioned in early 2026. These gwlevel pages are frozen as of November 18th, 2025. Please find the [modernized pages in WDFN](#) that suit you best. Learn more about our [modernization plans and timeline](#) and [new pages](#).

Search Results -- 1 sites found

Agency code = usgs
 site_no list =

- 322547104035001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 322547104035001 22S.28E.02.11111

Eddy County, New Mexico

Latitude 32°25'47", Longitude 104°03'50" NAD27

Land-surface elevation 3,162 feet above NAVD88

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

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

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source
1965-12-02			D 62610		3027.37	NGVD29	1	Z		
1965-12-02			D 62611		3028.96	NAVD88	1	Z		
1965-12-02			D 72019	133.04			1	Z		
1968-06-27			D 62610		3016.98	NGVD29	P	Z		
1968-06-27			D 62611		3018.57	NAVD88	P	Z		
1968-06-27			D 72019	143.43			P	Z		
1970-12-04			D 62610		3027.63	NGVD29	1	Z		
1970-12-04			D 62611		3029.22	NAVD88	1	Z		
1970-12-04			D 72019	132.78			1	Z		
1976-12-16			D 62610		3029.74	NGVD29	1	Z		
1976-12-16			D 62611		3031.33	NAVD88	1	Z		
1976-12-16			D 72019	130.67			1	Z		
1983-01-18			D 62610		3030.99	NGVD29	1	Z		
1983-01-18			D 62611		3032.58	NAVD88	1	Z		
1983-01-18			D 72019	129.42			1	Z		
1987-10-30			D 62610		3031.68	NGVD29	1	Z		
1987-10-30			D 62611		3033.27	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1987-10-30			D	72019	128.73				1	Z
1992-12-10			D	62610		3031.32	NGVD29		P	S
1992-12-10			D	62611		3032.91	NAVD88		P	S
1992-12-10			D	72019	129.09				P	S
1998-01-27			D	62610		3031.89	NGVD29		1	S
1998-01-27			D	62611		3033.48	NAVD88		1	S
1998-01-27			D	72019	128.52				1	S

Explanation

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

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[Data Tips](#)

[Explanation of terms](#)

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[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

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



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2025-12-10 14:27:28 EST

0.36 0.3 nadww01



APPENDIX C

Photographic Log



Photographic Log
XTO Energy, Inc.
Big Eddy Unit #156
Eddy County, New Mexico

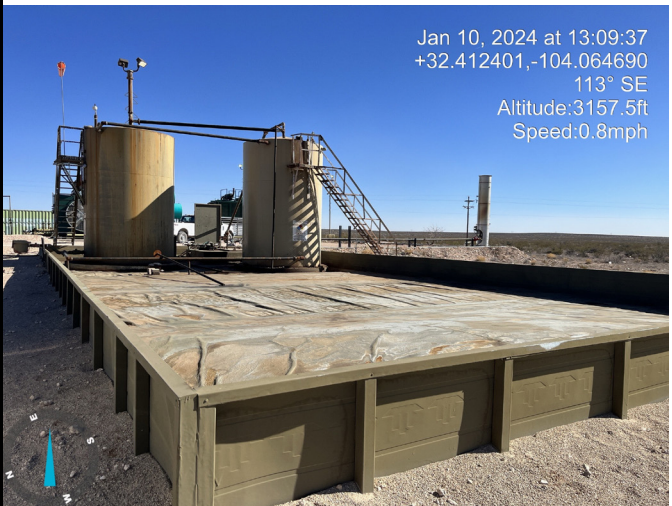


Photograph: 1 Date: 6/8/2018
Description: Initial release near SS05
View: Southeast

Photograph: 2 Date: 6/8/2018
Description: Initial release near SS06
View: East



Jan 24, 2024 at 10:20:05
+32.412219,-104.064406
266° W
Altitude:3156.0ft
Speed:1.8mph



Jan 10, 2024 at 13:09:37
+32.412401,-104.064690
113° SE
Altitude:3157.5ft
Speed:0.8mph

Photograph: 3 Date: 1/24/2024
Description: Backfilled excavation near SS02A
View: West

Photograph: 4 Date: 1/24/2024
Description: Backfilled excavation near SS04, SS03,
SS07
View: Southeast

Sante Fe Main Office
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

CONDITIONS

Action 583382

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 3617 North Big Spring Street MIDLAND, TX 79705	OGRID: 373075
	Action Number: 583382
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	5/8/2026