District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2001040198
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

6PEQQ-191115-C-1410

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email Kyle_Littrell@xtoenergy.com	Incident # *(assigned by OCD)*
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.0805206 Longitude -103.9928131
(NAD 83 in decimal degrees to 5 decimal places)

Site Name West Brushy Draw 33 1 Battery	Site Type Well Location
Date Release Discovered 11/01/2019	API# *(if applicable)* 30-015-36971

Unit Letter	Section	Township	Range	County
N	33	25S	29E	EDDY

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls) 0.0	Volume Recovered (bbls) 0.0
☒ Produced Water	Volume Released (bbls) 35.0	Volume Recovered (bbls) 35.0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Water tank ran over into impervious lined containment. The well was shut-in and a vacuum truck was called out and picked up approximately 35 barrels of produced water. A 48-hour advance notice of liner inspection was provided by email to NMOCD District 2. The liner was visually inspected and the inspector determined the liner to be insufficient. Delineation for deferral will be conducted by a third party contractor.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2001040198
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? YES – An unauthorized release of fluid over 25 barrels

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

YES by Amy Ruth : to Mike Bratcher; Robert Hamlet; Victoria Venegas; and Jim Griswold; on November 2, 2019.

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.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

N/A

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

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.

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 11/15/2019

email: Kyle_Littrell@xtoenergy.com Telephone:

OCD Only

Received by: Ramona Marcus Date: 01/10/2020

State of New Mexico
Oil Conservation Division

Incident ID	NRM2001040198
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	50-100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2001040198
District RP	
Facility ID	
Application ID	

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.

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 02/17/2020

email: Kyle_Littrell@xtoenergy.com Telephone: (432)-221-7331

OCD Only

Received by: Cristina Eads Date: 02/28/2020

State of New Mexico
Oil Conservation Division

Incident ID	NRM2001040198
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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.

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 02/17/2020

email: Kyle_Littrell@xtoenergy.com Telephone: 432-221-7331

OCD Only

Received by: Cristina Eads Date: 02/28/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Denied Date: 04/27/2020

Printed Name: Cristina Eads Title: Environmental Specialist

A proud member of WSP

LT Environmental, Inc.
3300 North "A" Street
Building 1, Unit 103
Midland, Texas 79705
432.704.5178

February 24, 2020

Mr. Mike Bratcher
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: Closure Request
West Brushy Draw 33 1 Battery
Incident Number NRM2001040198
Eddy County, New Mexico

Dear Mr. Bratcher:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the West Brushy Draw 33 1 Battery (Site) in Unit N, Section 33, Township 25 South, Range 29 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to confirm the presence or absence of impacts to soil following the release of produced water at the Site. Based on field observations, field screening, and laboratory analytical results from soil sampling activities, XTO is submitting this Closure Request and requesting no further action (NFA) for the release event on November 1, 2019.

RELEASE BACKGROUND

On November 1, 2019, a water tank overflowed into an impervious lined containment, resulting in a release of approximately 35 barrels (bbls) of produced water into the lined tank battery containment. The well was shut-in, and a vacuum truck was dispatched to the Site to recover free-standing fluids; approximately 35 bbls of produced water were recovered. A liner integrity inspection was conducted. A 48-hour notification was provided to the New Mexico Oil Conservation Division (NMOCD) via email prior to the liner inspection. The liner was visually inspected and determined to have a hole. XTO reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141) on November 15, 2019 and was assigned Incident Number NRM200104019.

SITE CHARACTERIZATION

LTE characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be approximately 50 to 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

320532104001701, located approximately 1.09 miles from the Site. The groundwater well has a depth to groundwater of approximately 98 feet bgs and a total depth of 128 feet bgs. The closest continuously flowing water or significant watercourse to the Site is a tributary, located approximately 1,441 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 located in a medium potential karst area. The Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the site characterization, the following NMOCD Table 1 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: 10,000 mg/kg

SITE ASSESSMENT AND SOIL SAMPLING ACTIVITIES

On January 29, 2020, LTE personnel evaluated the release area based on information provided on the Form C-141 and visual observations. LTE personnel advanced a borehole via hand-auger at one location within the lined tank battery containment on the northern edge of the caliche well pad. Site assessment activities and vertical delineation soil sampling was completed at the location of the hole found during the liner integrity inspection conducted by XTO. Two soil samples were collected at depths of approximately 0.5 feet and 1-foot bgs (BH01 and BH01A). No soil staining was observed during the site visit. Soil from the borehole was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for each sample were documented on a lithologic/soil sample log and are included as Attachment 2. The borehole was backfilled with the soil removed and XTO repaired the liner. The borehole and delineation soil sample locations are depicted on Figure 2.

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 shipped at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Midland, Texas, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, TPH-oil range

organics (ORO) following EPA Method 8015M/D, and chloride following EPA Method 300.0. Photographic documentation was provided prior to the Site visit. Photographs are included in Attachment 1.

ANALYTICAL RESULTS

Laboratory analytical results indicated benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria in delineation soil samples BH01 and BH01A collected at approximately 0.5 feet and 1-foot bgs, respectively. Laboratory analytical results are presented on Figure 2 and summarized in Table 1. The complete laboratory analytical reports are included as Attachment 3.

CONCLUSION

Delineation soil samples BH01 and BH01A were collected from within the lined tank battery containment from depths of approximately 0.5 feet and 1-foot bgs to assess for the presence or absence of soil impacts as a result of the November 1, 2019, produced water release. A vacuum truck recovered all free-standing fluid. Laboratory analytical results for all soil samples indicated benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, field screening of soil indicated volatile aromatic hydrocarbons and chloride concentrations were not elevated over Closure Criteria and soil staining and petroleum hydrocarbon odors were not identified within the release extent.

Based on initial response efforts, absence of elevated field screening results, and soil sample laboratory analytical results compliant with the Closure Criteria. XTO requests NFA for the release event on November 1, 2019, and assigned Incident Number NRM200104019.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,
LT ENVIRONMENTAL, INC.

Kalei Jennings
Project Environmental Scientist

Ashley L. Ager, P.G.
Senior Geologist

cc: Kyle Littrell, XTO
United States Bureau of Land Management – New Mexico
Robert Hamlet, NMOCD

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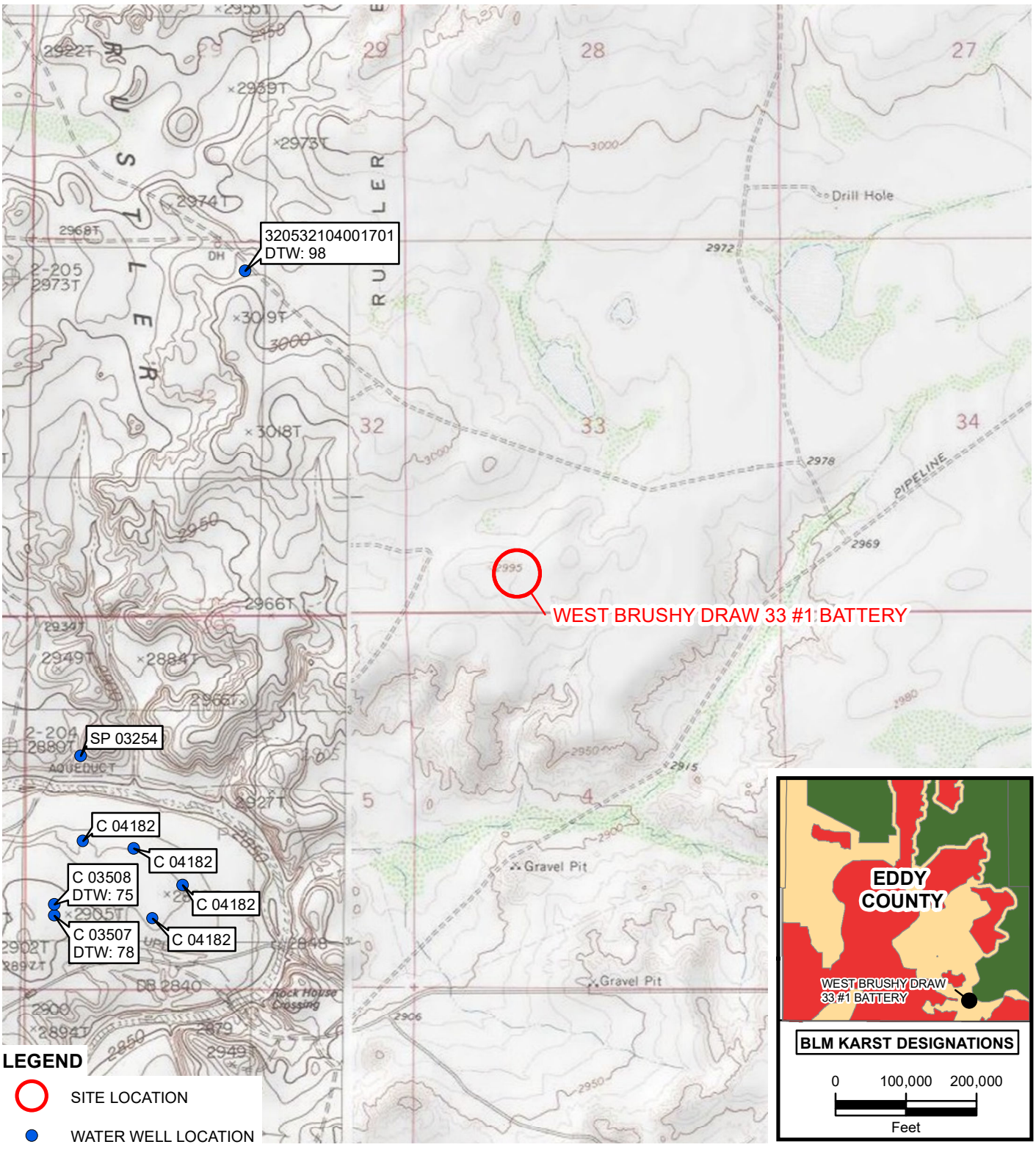
Victoria Venegas, NMOCD

Appendices:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Photographic Log
Attachment 2	Lithologic/Soil Sampling Logs
Attachment 3	Laboratory Analytical Reports

FIGURES



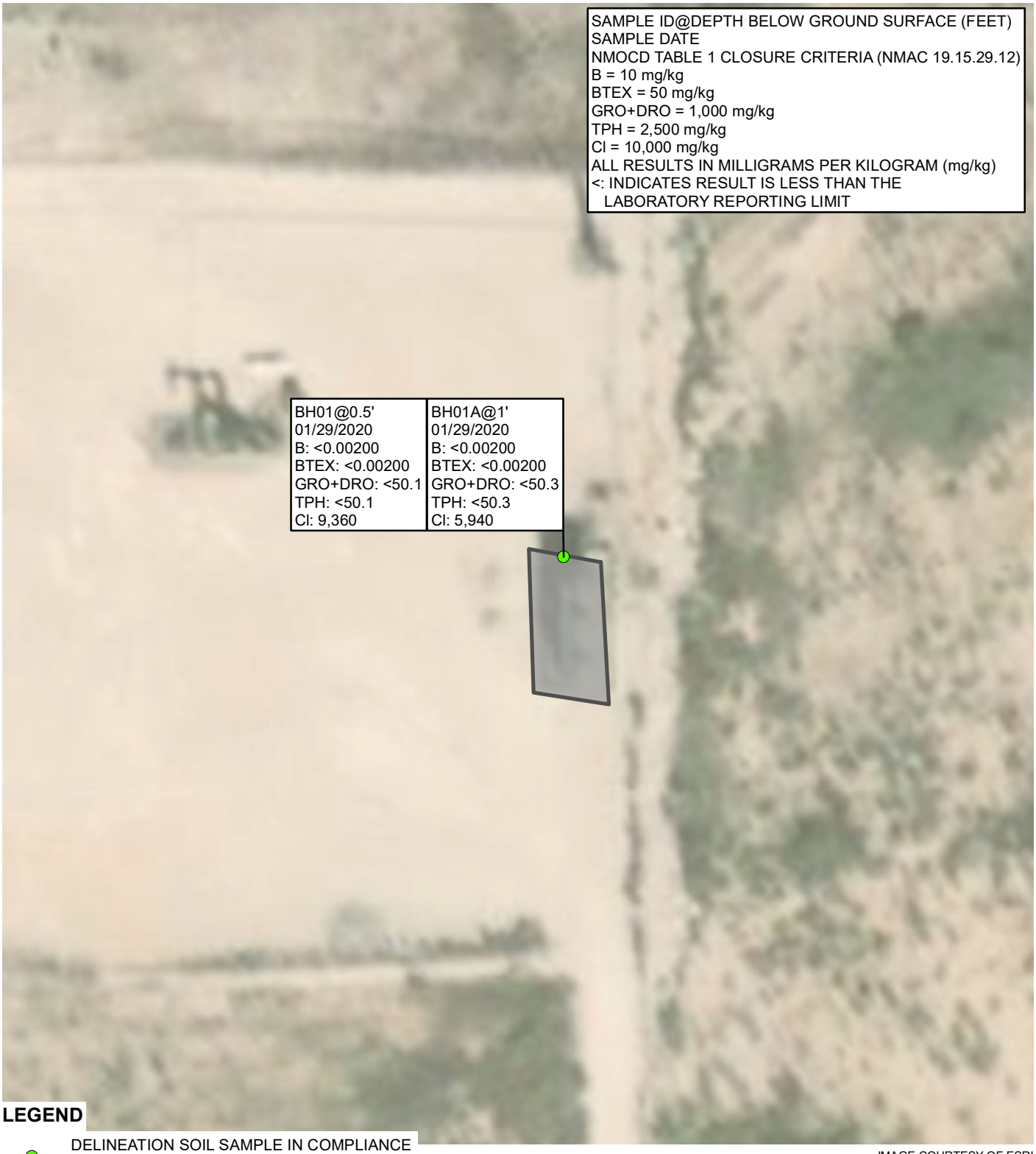
LEGEND

- SITE LOCATION
- WATER WELL LOCATION
- NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
- NATIONAL WETLANDS INVENTORY SURFACE WATER FEATURE
- LOW KARST
- MEDIUM KARST
- HIGH KARST

NOTE: REMEDIATION PERMIT NUMBER NOT ASSIGNED
DTW: DEPTH TO WATER IN FEET

FIGURE 2
SITE LOCATION MAP
WEST BRUSHY DRAW 33 #1 BATTERY
UNIT N SEC 33 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012919273_WEST BRUSHY DRAW 33 #1 BATTERY\012919273_FIG01_SL_2020.mxd



B: BENZENE
BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
GRO: GASOLINE RANGE ORGANICS
DRO: DIESEL RANGE ORGANICS
TPH: TOTAL PETROLEUM HYDROCARBONS
Cl: CHLORIDE
NMAC: NEW MEXICO ADMINISTRATIVE CODE
NMOCD: NEW MEXICO OIL CONSERVATION DIVISION
NOTE: REMEDIATION PERMIT NUMBER NOT ASSIGNED

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
WEST BRUSHY DRAW 33 #1 BATTERY
UNIT N SEC 33 T25S R29E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

P:\XTO Energy\GIS\MXD\012918187_PCA 53\012919273_FIG02_DELINEATION_2020.mxd

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS

WEST BRUSHY DRAW 33 1 BATTERY
INCIDENTT NUMBER NRM2001040198
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			10	NE	NE	NE	**50**	NE	NE	NE	**1,000**	**2,500**	**10,000**
BH01	0.5	01/29/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	9,360
BH01A	1	01/29/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	5,940

Notes:

bgs - below ground surface
BTEX - benzene, toluene, ethylbenzene, and total xylenes
DRO - diesel range organics
GRO - gasoline range organics
mg/kg - milligrams per kilogram
MRO - motor oil range organics
NMAC - New Mexico Administrative Code
NMOCD - New Mexico Oil Conservation Division
NE - not established
TPH - total petroleum hydrocarbons
Bold - indicates result exceeds the applicable regulatory standard
< - indicates result is below laboratory reporting limits
Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 August 2018

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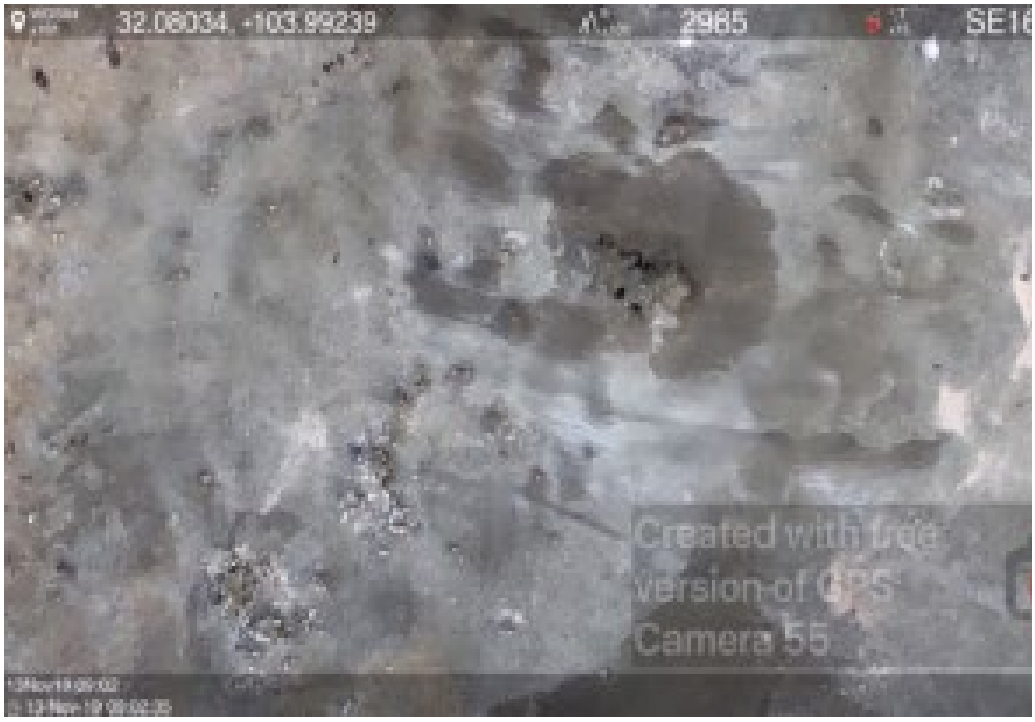
ATTACHMENT 1: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Photograph 1: Northern containment extent facing East.



Photograph 2: Northern view of release location.

ATTACHMENT 2: LITHOLOGIC/SOIL SAMPLE LOGS

LT Environmental, Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
Compliance · Engineering · Remediation

Identifier:	Date:
BH01	01/29/2020
Project Name: West Brushy Draw 33 #1	RP Number: 11/01/2019
Logged By: GG	Method: Hand Auger
Lat/Long:	Field Screening: CTS/PID
Hole Diameter:	Total Depth: 1'

LITHOLOGIC / SOIL SAMPLING LOG

Comments:

	Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Depth (ft. bgs.)	Sample Depth	Soil/Rock Type	Lithology/Remarks
1320	D	10,819	1.3	N	BH01	0.5			caliche w/ large grovel & small gravel Tan - light brown
1350	D	6664	0.1	N	BH01A	1			caliche w/ large - small gravel Tan - light brown
						2			Auger refusal @ 1'2"
						3			
						4			
						5			
						6			
						7			
						8			
						9			
						10			
						11			
						12			

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS

Analytical Report 650840

for

LT Environmental, Inc.

Project Manager: Dan Moir

West Brushy Draw 33 #1

012919213

02.10.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)

02.10.2020

Project Manager: **Dan Moir**
LT Environmental, Inc.
4600 W. 60th Avenue
Arvada, CO 80003

Reference: XENCO Report No(s): **650840**
West Brushy Draw 33 #1
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 650840. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 650840 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Assistant

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Sample Cross Reference 650840

LT Environmental, Inc., Arvada, CO

West Brushy Draw 33 #1

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH01	S	01.29.2020 13:20	.05 ft	650840-001
BH01A	S	01.29.2020 13:50	1 ft	650840-002

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: West Brushy Draw 33 #1

Project ID: *012919213*
Work Order Number(s): *650840*

Report Date: *02.10.2020*
Date Received: *01.30.2020*

Sample receipt non conformances and comments:

V1.001 Corrected sample 001 & 002 name per Kalei Jennings (email) JK 02/10/20

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3115037 Inorganic Anions by EPA 300

Lab Sample ID 650840-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 650840-001, -002.
The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3115056 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3115070 TPH by SW8015 Mod

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.
Samples affected are: 650840-001.

Certificate of Analysis Summary 650840

LT Environmental, Inc., Arvada, CO

Project Name: West Brushy Draw 33 #1

Project Id: 012919213
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu 01.30.2020 10:30
Report Date: 02.10.2020 10:25
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	650840-001		650840-002					
	Field Id:	BH01		BH01A					
	Depth:	.05- ft		1- ft					
	Matrix:	SOIL		SOIL					
	Sampled:	01.29.2020 13:20		01.29.2020 13:50					
BTEX by EPA 8021B	***Extracted:***	01.30.2020 12:00		01.30.2020 12:00					
	Analyzed:	01.30.2020 18:40		01.30.2020 19:00					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00200	0.00200				
Toluene		<0.00200	0.00200	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200				
m,p-Xylenes		<0.00400	0.00400	<0.00399	0.00399				
o-Xylene		<0.00200	0.00200	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200				
Total BTEX		<0.00200	0.00200	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	01.30.2020 12:00		01.30.2020 12:00					
	Analyzed:	01.30.2020 16:09		01.30.2020 14:05					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		9360	499	5940	49.6				
TPH by SW8015 Mod	***Extracted:***	01.30.2020 13:00		01.30.2020 13:00					
	Analyzed:	01.30.2020 19:45		01.30.2020 20:05					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.3	50.3				
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3				
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3				
Total GRO-DRO		<50.1	50.1	<50.3	50.3				
Total TPH		<50.1	50.1	<50.3	50.3				

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Assistant

Certificate of Analytical Results 650840

LT Environmental, Inc., Arvada, CO

West Brushy Draw 33 #1

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	01.30.2020 10:30
Lab Sample Id:	650840-001	Date Collected:	01.29.2020 13:20	Sample Depth:	.05 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	01.30.2020 12:00	Basis:	Wet Weight
Seq Number:	3115037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**9360**	499	mg/kg	01.30.2020 16:09		50

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	01.30.2020 13:00	Basis:	Wet Weight
Seq Number:	3115070				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.30.2020 19:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.30.2020 19:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.30.2020 19:45	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	01.30.2020 19:45	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.30.2020 19:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	136	%	70-135	01.30.2020 19:45	**
o-Terphenyl	84-15-1	123	%	70-135	01.30.2020 19:45	

Certificate of Analytical Results 650840

LT Environmental, Inc., Arvada, CO

West Brushy Draw 33 #1

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	01.30.2020 10:30
Lab Sample Id:	650840-001	Date Collected:	01.29.2020 13:20	Sample Depth:	.05 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	01.30.2020 12:00	Basis:	Wet Weight
Seq Number:	3115056				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2020 18:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2020 18:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2020 18:40	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.30.2020 18:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2020 18:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2020 18:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2020 18:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.30.2020 18:40	
4-Bromofluorobenzene	460-00-4	95	%	70-130	01.30.2020 18:40	

Certificate of Analytical Results 650840

LT Environmental, Inc., Arvada, CO

West Brushy Draw 33 #1

Sample Id:	**BH01A**	Matrix:	Soil	Date Received:	01.30.2020 10:30
Lab Sample Id:	650840-002	Date Collected:	01.29.2020 13:50	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	01.30.2020 12:00	Basis:	Wet Weight
Seq Number:	3115037				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5940**	49.6	mg/kg	01.30.2020 14:05		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	01.30.2020 13:00	Basis:	Wet Weight
Seq Number:	3115070				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.30.2020 20:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.30.2020 20:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.30.2020 20:05	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	01.30.2020 20:05	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.30.2020 20:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	01.30.2020 20:05	
o-Terphenyl	84-15-1	121	%	70-135	01.30.2020 20:05	

Certificate of Analytical Results 650840

LT Environmental, Inc., Arvada, CO

West Brushy Draw 33 #1

Sample Id:	**BH01A**	Matrix:	Soil	Date Received:	01.30.2020 10:30
Lab Sample Id:	650840-002	Date Collected:	01.29.2020 13:50	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	01.30.2020 12:00	Basis:	Wet Weight
Seq Number:	3115056				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.30.2020 19:00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.30.2020 19:00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.30.2020 19:00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.30.2020 19:00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.30.2020 19:00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.30.2020 19:00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.30.2020 19:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	01.30.2020 19:00	
4-Bromofluorobenzene	460-00-4	97	%	70-130	01.30.2020 19:00	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 650840

LT Environmental, Inc.

West Brushy Draw 33 #1

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115037 — Matrix: Solid — Date Prep: 01.30.2020
MB Sample Id: 7695576-1-BLK — LCS Sample Id: 7695576-1-BKS — LCSD Sample Id: 7695576-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	262	105	262	105	90-110	0	20	mg/kg	01.30.2020 12:19	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115037 — Matrix: Soil — Date Prep: 01.30.2020
Parent Sample Id: 650838-001 — MS Sample Id: 650838-001 S — MSD Sample Id: 650838-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	235	198	1270	523	1310	543	90-110	3	20	mg/kg	01.30.2020 12:36	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115037 — Matrix: Soil — Date Prep: 01.30.2020
Parent Sample Id: 650840-001 — MS Sample Id: 650840-001 S — MSD Sample Id: 650840-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9360	249	9690	133	9680	129	90-110	0	20	mg/kg	01.30.2020 16:15	X

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115070 — Matrix: Solid — Date Prep: 01.30.2020
MB Sample Id: 7695612-1-BLK — LCS Sample Id: 7695612-1-BKS — LCSD Sample Id: 7695612-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	975	98	972	97	70-135	0	35	mg/kg	01.30.2020 18:05	
Diesel Range Organics (DRO)	<50.0	1000	822	82	801	80	70-135	3	35	mg/kg	01.30.2020 18:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	132		118		115		70-135	%	01.30.2020 18:05
o-Terphenyl	122		106		99		70-135	%	01.30.2020 18:05

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115070 — Matrix: Solid — Date Prep: 01.30.2020
MB Sample Id: 7695612-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.30.2020 17:45	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

QC Summary 650840

LT Environmental, Inc.

West Brushy Draw 33 #1

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115070 Matrix: Soil Date Prep: 01.30.2020
Parent Sample Id: 650838-001 MS Sample Id: 650838-001 S MSD Sample Id: 650838-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	990	99	965	97	70-135	3	35	mg/kg	01.30.2020 18:25	
Diesel Range Organics (DRO)	<50.0	999	815	82	994	99	70-135	20	35	mg/kg	01.30.2020 18:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		134		70-135	%	01.30.2020 18:25
o-Terphenyl	99		127		70-135	%	01.30.2020 18:25

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3115056 Matrix: Solid Date Prep: 01.30.2020
MB Sample Id: 7695572-1-BLK LCS Sample Id: 7695572-1-BKS LCSD Sample Id: 7695572-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.119	119	0.109	109	70-130	9	35	mg/kg	01.30.2020 12:46	
Toluene	<0.00200	0.100	0.109	109	0.0994	99	70-130	9	35	mg/kg	01.30.2020 12:46	
Ethylbenzene	<0.00200	0.100	0.104	104	0.0946	95	71-129	9	35	mg/kg	01.30.2020 12:46	
m,p-Xylenes	<0.00400	0.200	0.202	101	0.184	92	70-135	9	35	mg/kg	01.30.2020 12:46	
o-Xylene	<0.00200	0.100	0.102	102	0.0938	94	71-133	8	35	mg/kg	01.30.2020 12:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		109		109		70-130	%	01.30.2020 12:46
4-Bromofluorobenzene	90		89		94		70-130	%	01.30.2020 12:46

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3115056 Matrix: Soil Date Prep: 01.30.2020
Parent Sample Id: 650838-001 MS Sample Id: 650838-001 S MSD Sample Id: 650838-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0988	0.119	120	0.116	117	70-130	3	35	mg/kg	01.30.2020 13:27	
Toluene	<0.00198	0.0988	0.128	130	0.106	107	70-130	19	35	mg/kg	01.30.2020 13:27	
Ethylbenzene	<0.00198	0.0988	0.123	124	0.102	103	71-129	19	35	mg/kg	01.30.2020 13:27	
m,p-Xylenes	<0.00395	0.198	0.240	121	0.199	101	70-135	19	35	mg/kg	01.30.2020 13:27	
o-Xylene	<0.00198	0.0988	0.120	121	0.0992	100	71-133	19	35	mg/kg	01.30.2020 13:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		109		70-130	%	01.30.2020 13:27
4-Bromofluorobenzene	94		92		70-130	%	01.30.2020 13:27

MS/MSD Percent Recovery [D] = 100*(C-A) / B LCS = Laboratory Control Sample MS = Matrix Spike
Relative Percent Difference RPD = 200* | (C-E) / (C+E) | A = Parent Result B = Spike Added
LCS/LCSD Recovery [D] = 100 * (C) / [B] C = MS/LCS Result D = MSD/LCSD % Rec
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample) E = MSD/LCSD Result

Chain of Custody

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Work Order No: 650840

Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Midland, Tx 79705
Phone:	432.704.5178	Email:	ggreen@ltenv.com ; dmoir@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	West Bushy Draw 33#1	Turn Around	
Project Number:	012919273	Routine	☐
P.O. Number:	11/01/2019	Rush:	24H
Sampler's Name:	Garrett Green	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	0-8	Thermometer ID	
Received Intact:	(Yes) No	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	2

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
BH04	S	01/29/2020	1320	.5'	1	X	X	X
BH04A	S	01/29/2020	1350	1'	1	X	X	X

ANALYSIS REQUEST

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			1/30/20 10:30	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018.1

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 01.30.2020 10.30.00 AM

Work Order #: 650840

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T-NM-007

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	.8
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**Yes**
#6*Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Any missing/extra samples?	**No**
#9 Chain of Custody signed when relinquished/ received?	**Yes**
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**
#11 Container label(s) legible and intact?	**Yes**
#12 Samples in proper container/ bottle?	**Yes**
#13 Samples properly preserved?	**Yes**
#14 Sample container(s) intact?	**Yes**
#15 Sufficient sample amount for indicated test(s)?	**Yes**
#16 All samples received within hold time?	**Yes**
#17 Subcontract of sample(s)?	**No**
#18 Water VOC samples have zero headspace?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 01.30.2020

Checklist reviewed by: Jessica Kramer Date: 01.30.2020

Jessica Kramer