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

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

HOBBS OCD

APR 29 2013

RECEIVED

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company XTO Energy	Contact Guy Pearce
Address P.O. Box 700, Eunice, New Mexico 88231	Telephone No. (575) 394-2089 (office)
Facility Name New Mexico "S" State Tank Battery #5	Facility Type Active Tank Battery

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	02	17S	35E					Lea

Latitude N32° 25' 13.53" **Longitude** 103° 08' 08.07"

NATURE OF RELEASE

Type of Release Combination oil and produced water	Volume of Release 78.4 oil/8.7 produced water	Volume Recovered 75 bbls oil/8.3-bbls produced oil
Source of Release Broken water leg on Heater Treater	Date and Hour of Occurrence 3-20-10 @ 8:00 AM	Date and Hour of Discovery 3/20/10 @ 8:00 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? E. L. Gonzales	
By Whom? Shelby Pennington (ExxonMobil Corp.)	Date and Hour 3-20-10 @ 14:30	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*N/A

Describe Cause of Problem and Remedial Action Taken.* A water leg attached to an active heater treater separated and released the above described volumes of oil/produced water; vacuum trucks plus a roust-a-bout crew arrived at the release site and immediately started clean up activities; vacuum trucks picked up 75-bbls of petroleum products and 8.3-bbls of produced water; roust-a-bout crew blended clean soil with oily impacted material and transported stiffened material to Sundance Services for disposal; combined fluids covered a release area of ±5,300 square feet; XTO retained the services of Environmental Plus, Inc., (EPI) to GPS, photograph, delineate release area and present a *Site Remediation Proposal* to NMOCD; said *Report* was presented to the NMOCD on 4-29-11 ☐

Describe Area Affected and Cleanup Action Taken.* Release area was delineated via Sample Trenches on 5-21-10 and 6-29-10; on 1-25-11 release area was delineated via soil boring and determined vertical limit of impacted material was 15-feet below ground surface in center of release area; on 3-7-11 release area was hydro-excavated to determine number and sizes of buried pipelines; on 2-18-13 EPI mobilized to release area and started remediation activities; from 2-18-13 to 2-25-13 EPI excavated ±1,626 cubic yards of impacted material from the excavation (4,230 square feet X 7-8 foot depth) and transported to Sundance Services for disposal; on 2-28-13 a 20-mil reinforced polyethylene liner sandwiched between two (2) feet layers of cushion material was installed in the excavation bottom; remainder of excavation was backfilled with clean top soil with an accumulative volume of 1,596 cubic yards (including cushion material); the surface was contoured to prevent water pooling, wind/water erosion and promote water drainage away from the release area; remaining remedial activity is discing and deep drill seeding of disturbed area with a seed blend approved by the NMSLO. ☐

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Guy Pearce	OIL CONSERVATION DIVISION	
Printed Name: Guy Pearce	Approved by Environmental Specialist:	
Title: Production Foreman	Approval Date:	Expiration Date:
E-mail Address: guy_pearce@xtoenergy.com	Conditions of Approval:	Attached ☐
Date: 4-23-13 Phone: (575) 394-2089		

* Attach Additional Sheets If Necessary

RP-2385 PGRL 1000835203 DEC 15 2015

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, 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

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

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APR 22 2010
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Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company ExxonMobil	Contact Toni Collier
Address P.O. Box 4358, Houston, TX 77210	Telephone No. 281-654-1133
Facility Name BDT State S	Facility Type Water Leg on Heater Treater

Surface Owner : Walko Ranch	Mineral Owner	Lease No.

LOCATION OF RELEASE

NEARBY WELL NM S STATE #028
API # 30-025-25268-00-00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	2	22S	37E					Lea

Latitude N32.25.26 Longitude W103.08.122

NATURE OF RELEASE

Type of Release Oil and water	Volume of Release 78.4 oil/8.7 produced water	Volume Recovered 75 oil/8.3 produced water
Source of Release Water leg on heater treater	Date and Hour of Occurrence 3/20/10 8:00AM	Date and Hour of Discovery 3/20/10 8:00AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? E.L. Gonzales	
By Whom? Shelby Pennington	Date and Hour 3/20/10 2:30PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 60'

Describe Cause of Problem and Remedial Action Taken.*

2" drain line water leg on heater broke off of heater due to groove in piping developing corrosion.

Describe Area Affected and Cleanup Action Taken.*

A vacuum truck was called out to pick up free fluid. Emergency one call was put in and contaminated soil was excavated. Site will be delineated and remediated according to NM guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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

Signature: Ashley G. Volante

Printed Name: Ashley Volante

Title: Acting Compliance Supervisor

E-mail Address: Ashley.G.Volante@exxonmobil.com

Date: 4/21/10 Phone: 281-654-6119

OIL CONSERVATION DIVISION

Approved by ~~District Supervisor~~ ENV ENGINEER: Geoffrey Leking

Approval Date: 04/26/10 Expiration Date: 06/28/10

Conditions of Approval: DELINEATE TO CLEAN +1. SUBMIT FINAL C-141 BY 06/28/10

Attached ☐

IRP-10-4-2489

* Attach Additional Sheets If Necessary

ENVIRONMENTAL PLUS, INC.
CONSULTING AND REMEDIAL CONSTRUCTION

25 April 2013

HOBBS OCD

APR 29 2013

RECEIVED

Mr. Geoffrey Leking
Environmental Specialist
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs New Mexico 88240

RE: Remediation Closure Report
XTO Energy
New Mexico "S" State Tank Battery #5
UL-F (SE1/4 of the NW1/4) of Section 02, T22S, R37E
Lea County, New Mexico
NMOCD Ref. #1RP-10-4-2489; EPI Ref. #190041

Dear Mr. Leking:

The below *Remediation Closure Report* (*Report*) is an abbreviated version depicting prominent remedial activities conducted on the above referenced Release Area. However for clarity and cross reference elimination purposes, the *Report* includes *Release History*, *Site Background*, *Preliminary Field Work*, *Analytical Data and Procedures* and *Field Remediation Activities*.

Release History

On March 20, 2010 at 8:00 a.m. approximately 78.4-bbls of petroleum products and 8.7-bbls of produced water were released when a water leg broke away from an active heater treater. Approximately 75-bbls of petroleum and 8.3-bbls of produced water were recovered. The combined fluids covered a release area of ±5,300 square feet. After vacuuming petroleum products and produced water, field activities were initiated to mitigate the Release Area. Oily impacted material within the Release Area were blended with existing soil to stiffen and then transported to Sundance Services, Inc., for disposal. ExxonMobil (XTO) retained the services of Environmental Plus, Inc., (EPI) to GPS, photograph and delineate the release area.

Site Background

The Release Area is located in UL-F (SE1/4 of the NW1/4) of Section 02, T17S, R37E approximately 3,364-feet above mean sea level (amsl). The property is owned by the State of New Mexico and managed by New Mexico State Land Office (NMSLO). A search for water wells was completed utilizing the New Mexico Office of the State Engineers website and a database maintained by the United States Geological Survey (USGS). No water wells (domestic, agriculture or public) or bodies of groundwater exist within a 1,000-feet radius of the release area (reference *Figure 2*). Groundwater data indicates average water depth approximately 60-feet below ground surface (bgs). Based on available data, groundwater depth is approximately 45-feet

P.O. Box 1558 2100 Avenue "O" Eunice, New Mexico 88231
Telephone (575) 394-3481 Fax (575) 394-2601

ENVIRONMENTAL PLUS, INC.

below impacted soil. Utilizing this information, NMOCD Remedial Threshold Goals for the release area were determined as follows:

Parameter	Remedial Goal
Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	100 mg/Kg
Chlorides	500 mg/Kg

Preliminary Field Work:

On May 21, 2010 EPI mobilized to the Release Area for delineation activities via sample trenches (ST). ST-1 was excavated to a depth of 6-feet and ST-2 to a depth of 11-feet bgs. Soil samples were collected at 1-foot intervals to ST total depth. On July 29, 2010 EPI mobilized to the Release Area and excavated ST-3 a total depth of 10-feet bgs. Soil samples were collected at selected intervals (2-, 3.5-, 5-, 7- and 10-feet bgs) for field analyses and laboratory analytical tests (reference *Figure 3*).

In response to NMOCD request, EPI and Straub Corporation mobilized to the Release Area on January 25, 2011 to determine exact depth of impacted material. A single soil boring was advanced in the center of the Release Area a total depth of 25-feet bgs. Impacted material extended from ground surface to 15-feet bgs. Soil samples for field analyses and laboratory analytical tests were collected at 5-feet intervals from ground surface to TD of the soil boring (reference *Table 2*). Upon completion of field analytical activities, the soil boring was plugged utilizing 3/8" pelletized bentonite and cement plug (reference *Well Records & Log*).

Due to concerns of number and exact location of buried pipelines, EPI and HydroTech mobilized to the Release Area on March 7, 2011. A trench was hydro-excavated from the east side of the Release Area to the lease road on the west side. Three (3) buried pipelines were discovered with two (2) 3-inch diameter steel pipelines running parallel north-south down west side of Release Area approximately four (4) feet east of the lease road. An eight-inch (8") diameter polyethylene pipeline crossed the lease road and skewers toward the east side of the Release Area (reference *Figure 4*). Bury depth of the 3" diameter pipelines is ±2-feet while the 8" diameter polyethylene pipeline is ±4-feet. Field observations indicate the steel and polyethylene pipelines will intersect near the south end of the release area. No soil samples were collected during this event.

Analytical Data and Procedures:

For activities described above and below where soil samples were collected, a portion of selected soil sample was field analyzed for organic vapor and chloride concentrations. Soil samples collected for field analysis of organic vapors were placed in self-sealing polyethylene bags and allowed to equilibrate to ~70° F. Soil samples were then tested for organic vapor concentrations utilizing a MiniRae™ Photoionization Detector (PID) equipped with a 10.6 electron-volt (eV) lamp calibrated for benzene vapors. Chloride concentrations were field analyzed utilizing a LaMotte Chloride Kit (Titration Method).

Soil samples designated for laboratory analyses were immediately inserted into laboratory approved containers, properly labeled, placed in self sealing polyethylene bags, inserted into

coolers, iced down and transported to an independent laboratory for quantification of TPH [GRO (C6-C12) and DRO (>C12-C28)] and chloride concentrations under Chain-of-Custody protocol.

In noting *Table 2*, the Release Area is void of TPH concentrations above NMOCD Remedial Threshold Goals (NMOCD Goals) of 100-mg/Kg. Chloride concentrations elevated above NMOCD Goals of 500 mg/Kg terminate at fifteen (15) feet bgs.

Field Remediation Activities:

In viewing the physical location of the Release Area, it would require a very large excavation for removal of all chloride impacted material to fifteen (15) feet bgs. The north end is blocked by an active heater treater while the west side is confined by the lease road and existing pipelines. The east side contains surface steel flowlines to the active tank battery. Excessive excavation in the northerly direction would endanger the heater treater base. Removal of impacted material near the lease road would require a detour and closure of the north-south route. Benching of sidewalls would be limited due to the confined space in which to operate. Also, area for ingress/egress ramps was not sufficient to accommodate earth moving equipment. Hence, a trackhoe was used for both excavation and backfill operations. These obstacles were expounded in the original *Site Remediation Proposal* submitted to the NMOCD on April 29, 2011.

EPI mobilized to the Release Area on February 18, 2013 and began remedial activity. The two (2) 3-inch diameter steel lines were uncovered full length of the Release Area. Remainder of Release Area was surveyed using a pipe locater to ensure all pipelines had been identified. Excavation activities started on the north-east corner of the Release Area and proceeded in the southerly direction. From February 18-25, 2013, ±1,626 cubic yards of impacted material were excavated by a trackhoe and temporarily stockpiled on the southerly portion of Release Area. The impacted material was then loaded into dump trucks by a front end loader and transported to Sundance Services for disposal. As excavating activities started to undermine and expose the two (2) 3-inch steel pipeline, extendable metal pipe supports were installed to prevent sagging. This procedure was repeated by extending them until total depth was achieved. The 8-inch polyethylene pipe was rigid requiring no pipe supports.

After the easterly portion of excavation activities was completed to the southerly terminus, five (5) soil samples were collected from the east sidewall on February 22, 2013. Similarly, three (3) soil samples were collected from the bottom of the excavation in the north, middle and south sides on February 26, 2013 (reference *Figure 5*). As soil samples collected from excavation bottom were destined for laboratory analytical test for chloride concentrations, no field analyses were conducted. Soil samples were collected, processed and transported to an independent laboratory per *Analytical Data and Procedures* outlined in this *Report*.

Laboratory analytical results from east sidewall soil samples indicated it was void of chloride concentrations elevated above NMOCD Goals of 500mg/Kg. Chloride concentrations from bottom soil samples indicated both north and south end of the excavation were in compliance while the center was elevated above NMOCD Goals of 500 mg/Kg (reference *Table 3*).

After reaching excavation physical constraints for width and predetermined depth of seven (7) feet bgs, the bottom area was smoothed of irregularities and two (2) feet layer of cushion top soil deposited, smoothed and compacted via use of the trackhoe. On February 28, 2013 Akome Incorporated arrived at the excavation and installed ±4,230 square feet of 20-mil reinforced polyethylene liner in the bottom. After completing installation of the liner, a two (2) feet thick

layer of cushion top soil free of large clods, rocks or deleterious material was placed over the westerly portion. During backfill activities pipe support elevations were adjusted with height of backfill cushion material avoiding direct contact with the liner. Once the buried pipelines on the west side of the excavation were covered and all pipe supports removed, the trackhoe carefully placed cushion material in the easterly direction over the liner coincidental with backfill activities. From February 26 through March 5, 2013, ±1,596 cubic yards of topsoil were placed and compacted in the excavation.

Upon completion of backfill activities, the disturbed areas were contoured to prevent wind/water erosion, pooling of water and promote natural drainage. Remaining activity for completion of project is discing and deep drill seeding the disturbed areas with a seed mixture approved by the NMSLO. However, in view of drought conditions, it is recommended postponing this activity until ground and weather conditions are conducive to vegetative growth.

XTO and EPI personnel are cognizant this represents a "risk based" closure procedure, but feel it is justified under conditions described above in conjunction with an active tank battery supported by the heater treater. Upon closure and removal of the tank battery tankage, heater treater and infrastructure, remaining impacted material will be removed and area returned to natural state.

Should you have questions, concerns or need additional technical information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncanepi@gmail.com.

Direct official communications to Mr. Guy Pearce at (575) 394-2089 (office), (575) 441-2965 (cellular) or via e-mail at guy_pearce@xto energy.com with correspondence addressed to:

Mr. Guy Pearce
Production Foreman
XTO Energy
P.O. Box 700
Eunice, New Mexico 88231

Sincerely,

ENVIRONMENTAL PLUS, INC.,

David P. Duncan
Civil Engineer
EPI Project Manager

Cc: Guy Pearce, Production Foreman – ETO Energy
Jesse Miller. Vice President - EPI
Roger Boone, Operations Manager - EPI
Ben Sturgill, NMSLO – Hobbs, NM
Steven Ikeda, NMSLO – Santa Fe, NM

Encl: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site Sample Trench Map
Figure 4 – Site Map
Figure 5 – Soil Sample Location Map
Table 1 – Well Data
Table 2 – Summary of Sample Trenches and Soil Boring Soil Sample Field Analyses and Laboratory Analytical Data
Table 3 – Summary of Soil Samples Field Analyses and Laboratory Analytical Results
Attachment I – Site Photographs
Attachment II – Laboratory Analytical Results and Chain-of-Custody Forms
Attachment III – Sample Trench Logs (FM & OL Forms)
Attachment IV – Well Record & Log Office of the State Engineer
Attachment V – Copy of Initial NMOCD Form C-141
Final NMOCD Form C-141

FIGURES

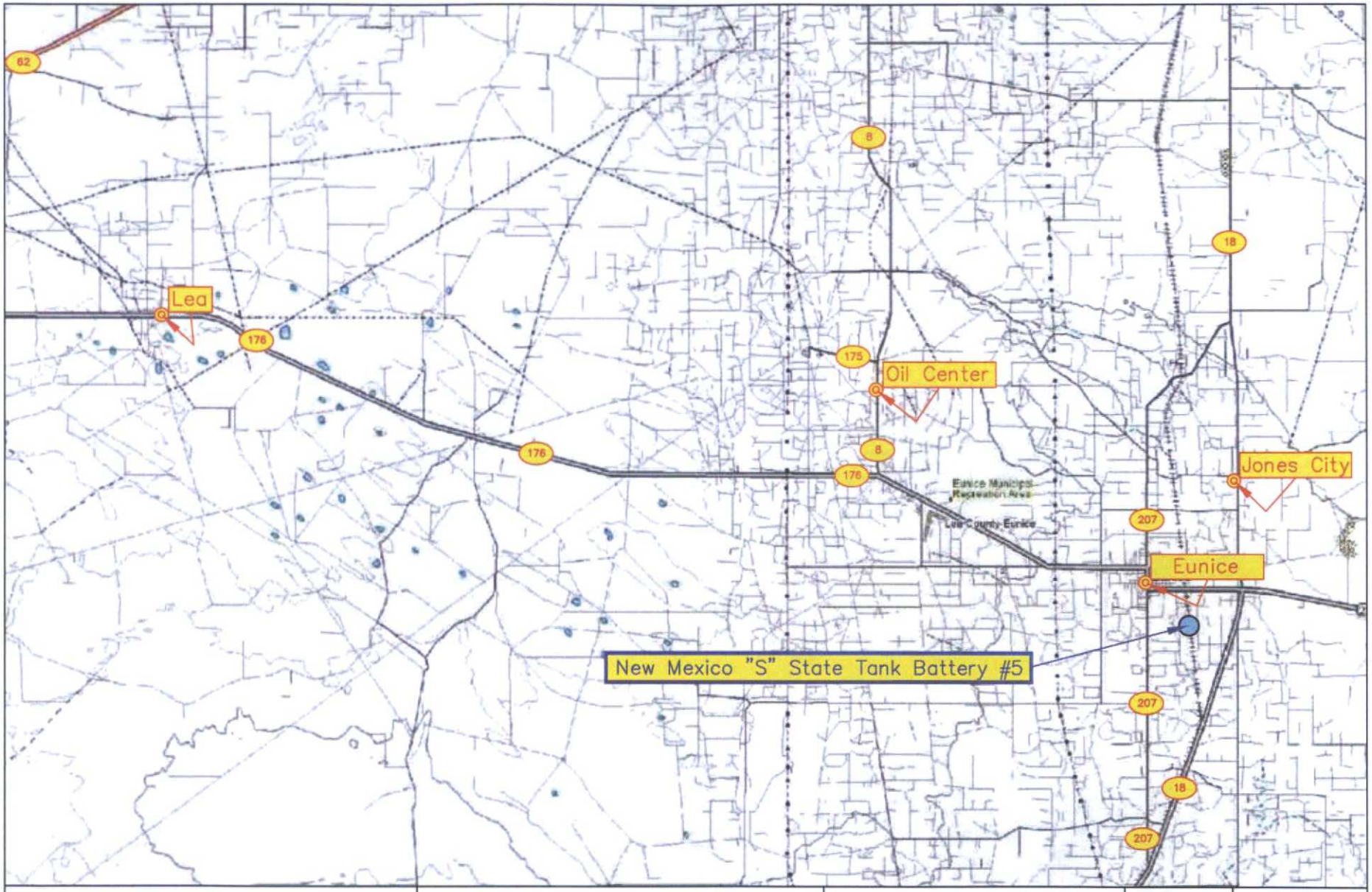

Figure 1 Area Map ExxonMobil New Mexico "S" State Tank Battery #5	Lea County, New Mexico SE 1/4 of the NW 1/4, Sec. 2, T22S, R37E N 32° 25' 15.99" W 103° 08' 07.42" Elevation: 3,364 feet amsl	DWG By: Daniel Dominguez May 2007	REVISED:	N
		0 3 6 Miles	SHEET 1 of 1	

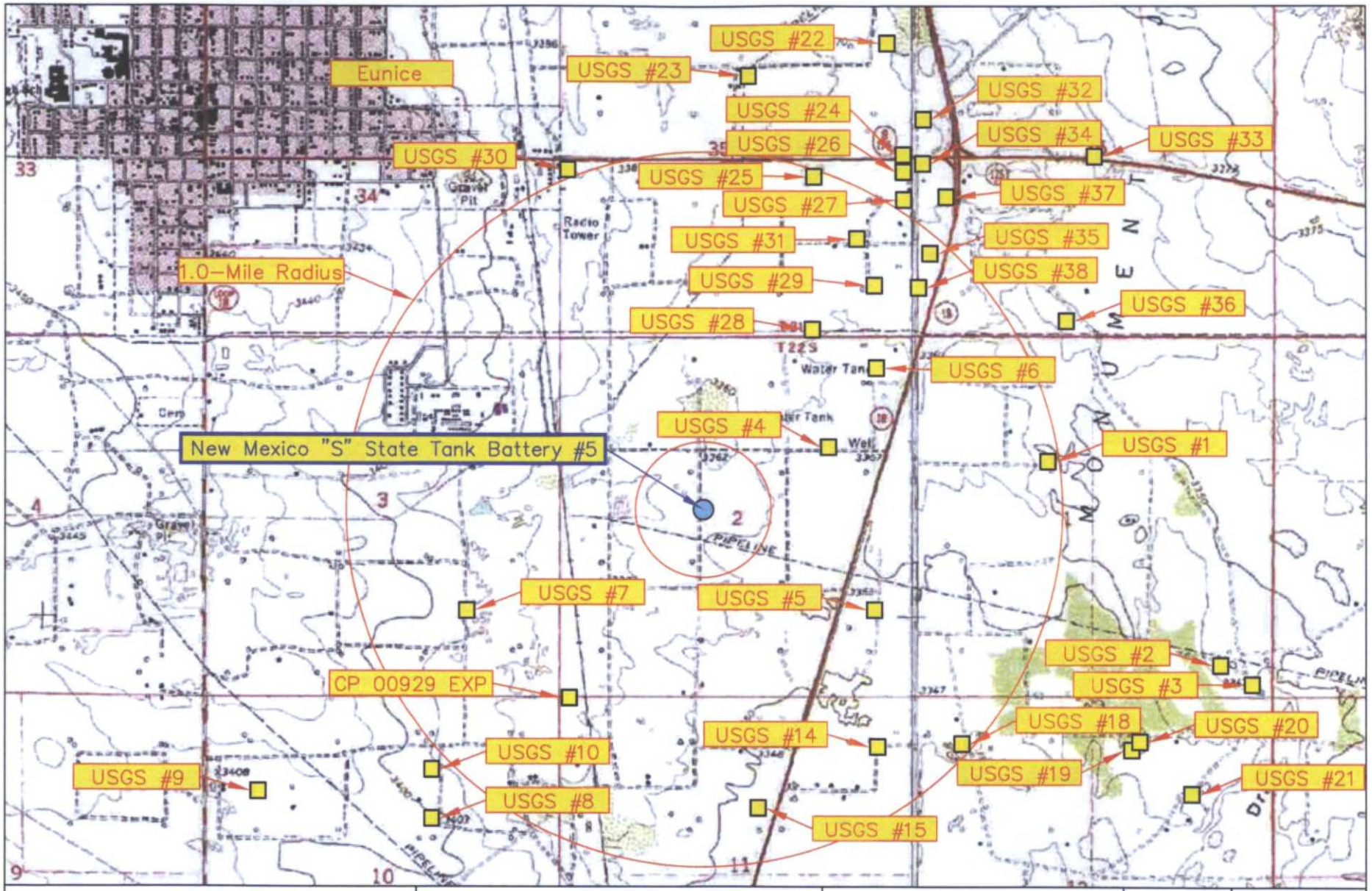

Figure 2 Site Location Map ExxonMobil New Mexico "S" State Tank Battery #5	Lea County, New Mexico SE 1/4 of the NW 1/4, Sec. 2, T22S, R37E N 32° 25' 15.99" W 103° 08' 07.42" Elevation: 3,364 feet amsl	DWG By: Daniel Dominguez May 2007 0 2,000 4,000 Feet	REVISED: SHEET 1 of 1

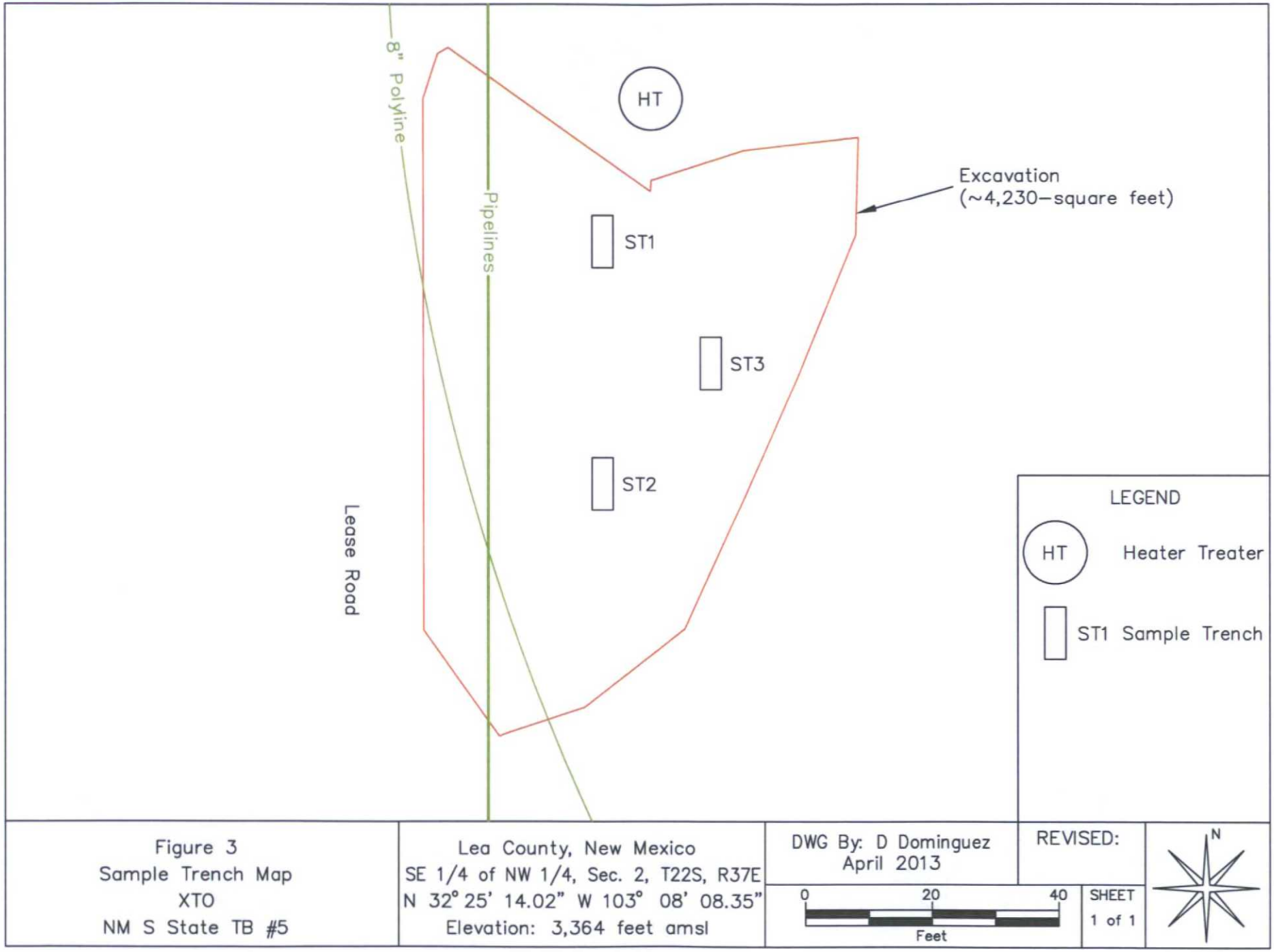

Figure 3 Sample Trench Map XTO NM S State TB #5	Lea County, New Mexico SE 1/4 of NW 1/4, Sec. 2, T22S, R37E N 32° 25' 14.02" W 103° 08' 08.35" Elevation: 3,364 feet amsl	DWG By: D Dominguez April 2013	REVISED:	SHEET 1 of 1

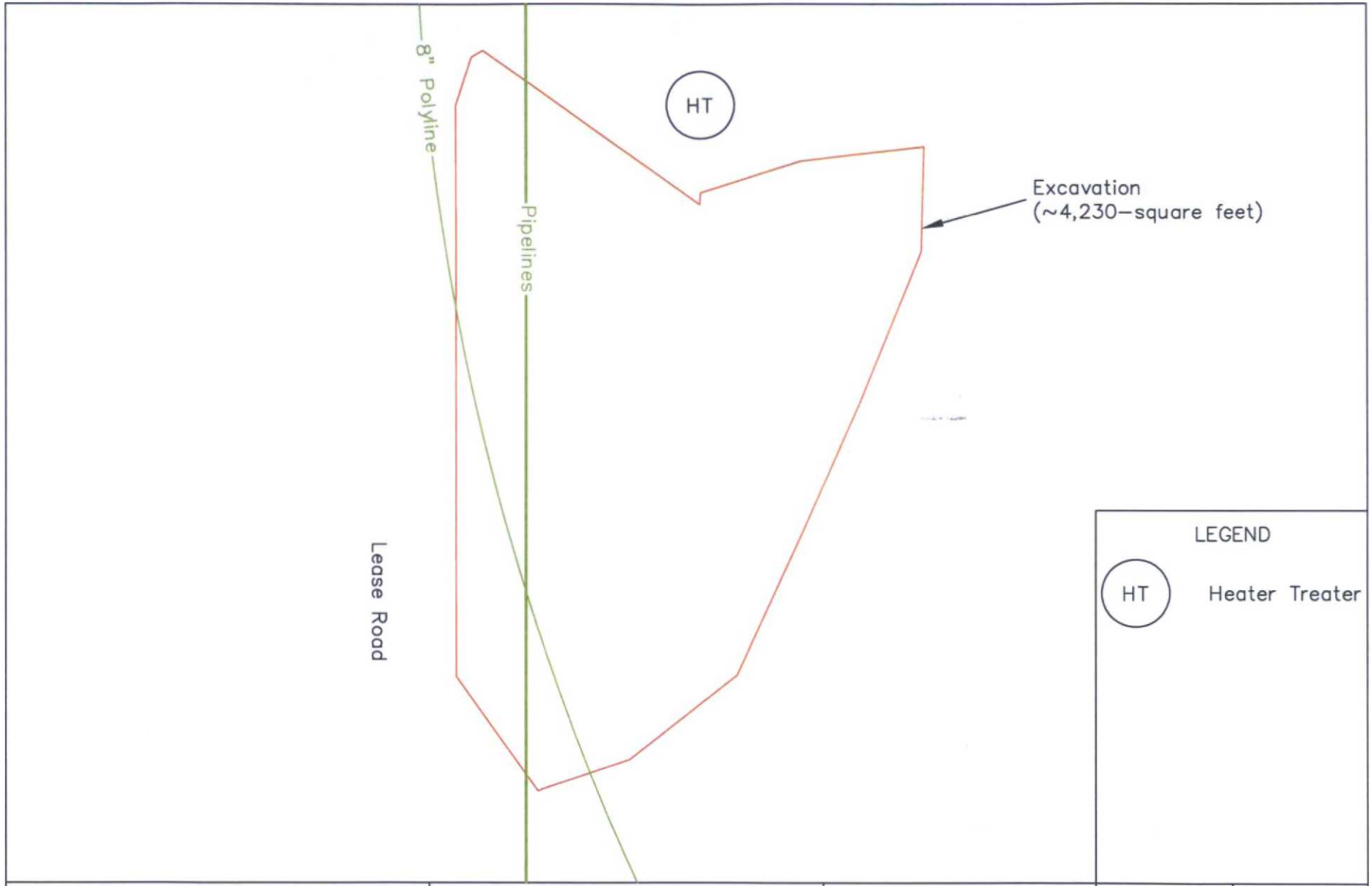

Figure 4 Site Map XTO NM S State TB #5	Lea County, New Mexico SE 1/4 of NW 1/4, Sec. 2, T22S, R37E N 32° 25' 14.02" W 103° 08' 08.35" Elevation: 3,364 feet amsl	DWG By: D Dominguez April 2013	REVISED:	SHEET 1 of 1

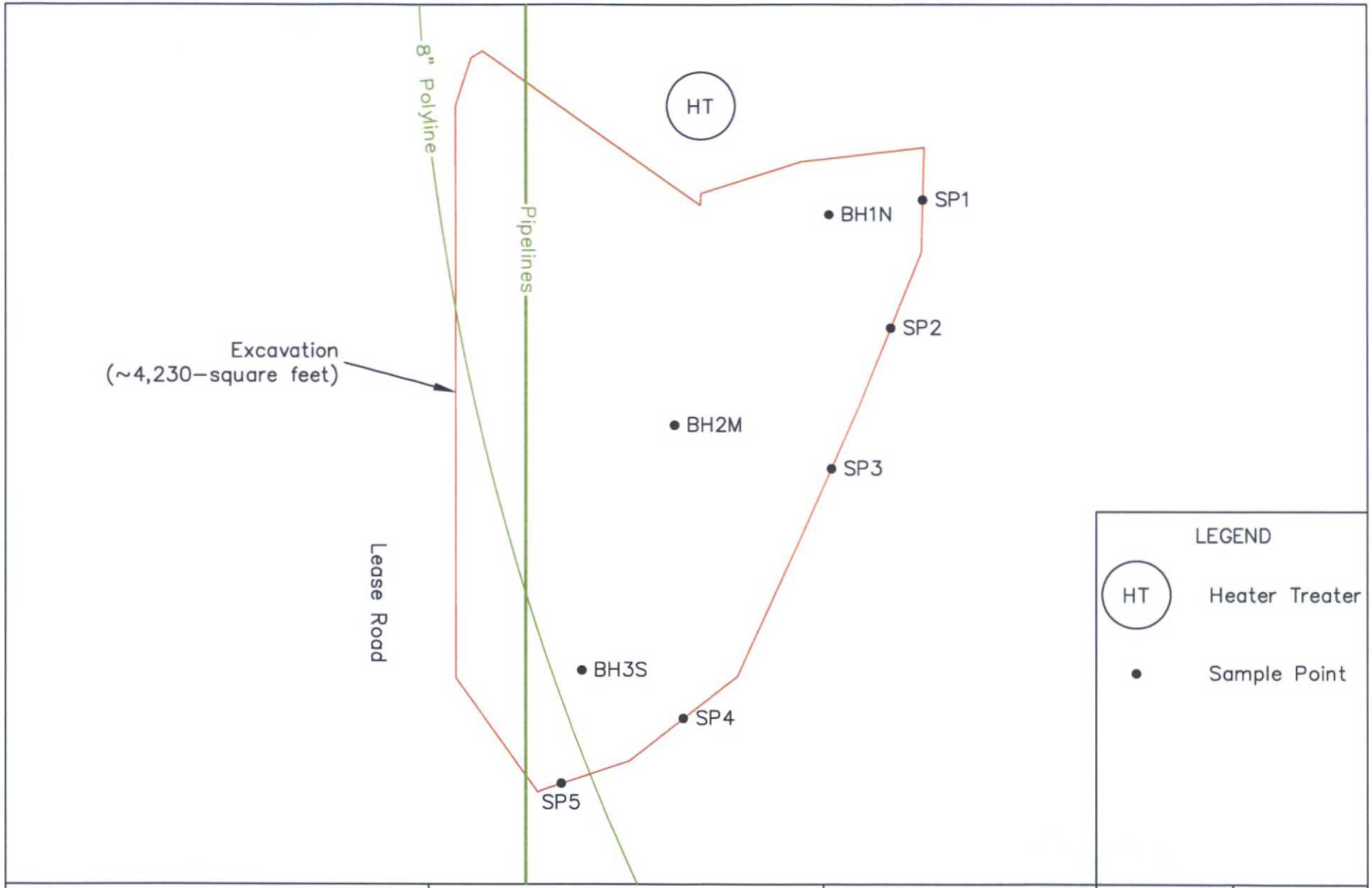

Figure 5
Sample Location Map
XTO
NM S State TB #5

Lea County, New Mexico
SE 1/4 of NW 1/4, Sec. 2, T22S, R37E
N 32° 25' 14.02" W 103° 08' 08.35"
Elevation: 3,364 feet amsl

DWG By: D Dominguez
April 2013

REVISED:

0 20 40
Feet

SHEET
1 of 1

N

TABLES

TABLE 1

WELL INFORMATION REPORT*

ExxonMobil - New Mexico "S" State Tank Battery #5 (Ref #190031)

Well Number	Diversion[A]	Owner	Use	Twsp	Rng	Sec q q q	Latitude	Longitude	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
CP 00929 EXPLORE	0	STATE OF NM STATE ENGINEER	EXP	22S	37E	02 3 3 3	N32° 24' 48.58"	W103° 08' 30.64"		3,379	
USGS #1				22S	37E	1 1 4 1			14-Mar-68		54.46
USGS #2				22S	37E	1 4 4 3			17-Mar-81		53.81
USGS #3				22S	37E	1 4 4 4			28-Feb-96		54.15
USGS #4				22S	37E	2 2 4 2			17-Mar-81		58.79
USGS #5				22S	37E	2 4 4 2			09-Oct-53		53.3
USGS #6				22S	37E	2 2 2 2			26-Feb-86		55.12
USGS #7				22S	37E	3 4 3 2			27-Jan-76		32.58
USGS #8				22S	37E	10 2 3 2			27-Jan-76		54.44
USGS #9				22S	37E	10 1 3 2			27-Jan-76		65.59
USGS #10				22S	37E	10 2 1 4			27-Jan-76		41.88
USGS #14				22S	37E	11 2 2 4			26-Apr-91		54.87
USGS #15				22S	37E	11 2 3 1			30-Jun-76		20.51
USGS #18				22S	37E	12 1 1 4			26-Oct-65		57.4
USGS #19				22S	37E	12 2 1 3			14-Oct-53		53.26
USGS #20				22S	37E	12 2 1 2			14-Oct-53		53.82
USGS #21				22S	37E	12 2 4 1			26-Oct-65		54.63
USGS #22				21S	37E	35 2 2 4			22-Jan-76		55.77
USGS #23				21S	37E	35 2 3 1			01-Feb-96		43.68
USGS #24				21S	37E	35 2 4 4			23-Jan-76		58.29
USGS #25				21S	37E	35 4 1 2			23-Jan-76		57.05
USGS #26				21S	37E	35 4 2 2			23-Jan-76		58.97
USGS #27				21S	37E	35 4 2 2			23-Jan-76		58.76
USGS #28				21S	37E	35 4 3 4			23-Jan-76		62.44
USGS #29				21S	37E	35 4 4 2			23-Jan-76		59.08
USGS #30				21S	37E	35 3 2 1			25-Apr-91		54.51
USGS #31				21S	37E	35 4 2 3			23-Jan-76		59.77
USGS #32				21S	37E	36 1 3 3			23-Jan-76		58.88
USGS #33				21S	37E	36 2 3 3			27-Jan-76		50.07
USGS #34				21S	37E	36 3 1 1			02-Mar-81		60.08
USGS #35				21S	37E	36 3 3 1			02-Mar-81		58.07
USGS #36				21S	37E	36 3 4 4			09-Dec-70		55.48
USGS #37				21S	37E	36 3 1 1			09-Dec-70		63.51
USGS #38				21S	37E	36 3 3 1			27-Jan-76		62.21
USGS #11				22S	37E	10 3 2 1			27-Jan-76		69.54
USGS #12				22S	37E	10 3 2 1			17-Mar-81		66.05
USGS #13				22S	37E	10 3 4 1			15-Feb-96		91.64
USGS #16				22S	37E	11 3 2 2			18-Mar-96		38.97
USGS #17				22S	37E	11 4 4 4			25-Apr-91		57.98

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet) and USGS Database.

[A] = in acre feet per annum

[B] = Interpolated from USGS Topographical Map

EXP = Exploration

(quarters are 1=NW, 2=NE, 3=SW, 4=SE)

(quarters are biggest to smallest - X Y are in Feet - UTM are in Meters)

Shaded area indicates wells not shown on Figure 2

TABLE 2

Summary Excavation and Soil Borings Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - New Mexico "S" State Tank Battery #5

NMOCD Ref. ; EPI Ref. #190041

UL-F (SE1/4 of the NW1/4) of Section 02, T22S, R37E; Lea County, New Mexicvo

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C10 (mg/Kg)	Carbon Ranges >C10-C28 (mg/Kg)	Carbon Ranges >C28-C-35 (mg/Kg)	Total TPH C6-C35 (mg/Kg)	Chloride (mg/Kg)
ST-1	1	In-Situ	21-May-10	117	880	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	736
ST-1	2	In-Situ	21-May-10	310	800	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	608
ST-1	3	In-Situ	21-May-10	320	720	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	512
ST-1	4	In-Situ	21-May-10	19.0	560	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	400
ST-1	5	In-Situ	21-May-10	15.7	720	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	624
ST-1	6	In-Situ	21-May-10	17.4	480	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	384
BG-1	1	In-Situ	21-May-10	0.00	240	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	<16
ST-2	1	In-Situ	21-May-10	18.6	1,280	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,440
ST-2	2	In-Situ	21-May-10	20.5	1,600	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,380
ST-2	3	In-Situ	21-May-10	22.8	1,280	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,140
ST-2	4	In-Situ	21-May-10	18.4	1,280	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,220
ST-2	5	In-Situ	21-May-10	8.6	1,600	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,410
ST-2	6	In-Situ	21-May-05	3.6	1,600	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,440
ST-2	7	In-Situ	21-May-05	3.1	1,360	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,420
ST-2	8	In-Situ	21-May-10	1.7	880	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	864
ST-2	9	In-Situ	21-May-10	0.6	1,.440	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,800
ST-2	10	In-Situ	21-May-10	0.7	1,040	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	1,570
ST-2	11	In-Situ	21-May-10	1.8	560	<0.050	<0.050	<0.050	<0.300	<0.450	<10.0	<10.0	- -	<20.0	736
ST-3	2	In-Situ	29-Jul-10	1.3	280	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
ST-3	3.5	In-Situ	29-Jul-10	0.0	640	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
ST-3	5	In-Situ	29-Jul-10	1.1	280	- -	- -	- -	- -	- -	- -	- -	- -	- -	48

TABLE 2

Summary Excavation and Soil Borings Soil Sample Field Analyses and Laboratory Analytical Results

Exxon Mobil - New Mexico "S" State Tank Battery #5

NMOCD Ref. ; EPI Ref. #190041

UL-F (SE1/4 of the NW1/4) of Section 02, T22S, R37E; Lea County, New Mexicvo

Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Carbon Ranges C6-C10 (mg/Kg)	Carbon Ranges >C10-C28 (mg/Kg)	Carbon Ranges >C28-C-35 (mg/Kg)	Total TPH C6-C35 (mg/Kg)	Chloride (mg/Kg)
ST-3	7	In-Situ	29-Jul-10	0.0	360	- -	- -	- -	- -	- -	- -	- -	- -	- -	96
ST-3	10	In-Situ	29-Jul-10	0.0	800	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
SB-1	5	In-Situ	25-Jan-11	- -	1,600	- -	- -	- -	- -	- -	- -	- -	- -	- -	**1,120**
SB-1	10	In-Situ	25-Jan-11	- -	460	- -	- -	- -	- -	- -	- -	- -	- -	- -	**592**
SB-1	15	In-Situ	25-Jan-11	- -	400	- -	- -	- -	- -	- -	- -	- -	- -	- -	**384**
SB-1	20	In-Situ	25-Jan-11	- -	60	- -	- -	- -	- -	- -	- -	- -	- -	- -	32.0
SB-1	25	In-Situ	25-Jan-11	- -	60	- -	- -	- -	- -	- -	- -	- -	- -	- -	96.0
NMOCD Remedial Thresholds				100		10				50				100	250

Bold values exceed NMOCD Remedial Threshold Goals

- - = Not Analyzed

Soil Sample Nomenclature: BG = Background Reference; ST = Sample Trench; BH = Bottom Hole;SW = Sidewall (E = East, W = West, N = North and S = South); SP = Sample Point; SB - Soil Boring

TABLE 3

Summary of Excavation Soil Sample Field Analyses and Laboratory Analytical Results

XTO

New Mexico "S" State Tank Battery #5 (NMOCD Ref. #1RP-10-4-2489;EPI Ref. #190041)

UL-F (SE1/4 of the NW1/4) of Section 02, T22S, R37E; Lea County, New Mexico

Sample I.D.	Depth (feet)	Soil Status	Sample Date	PID Field Analysis (ppm)	Field Chloride Analyses (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	TOTAL Xylenes (mg/Kg)	Total BTEX (mg/Kg)	Gas Range Organics (GRO) (C6-C10) (mg/Kg)	Diesel Range Organics (DRO) (>C10-C28) (mg/Kg)	Total Hydrocarbons (C6-C38) (mg/Kg)	Chloride (mg/Kg)
SP-1	5.5	In Situ	22-Feb-13	--	200	--	--	--	--	--	--	--	--	<16.0
SP-2	6.5	In Situ	22-Feb-13	--	240	--	--	--	--	--	--	--	--	288
SP-3	6	In Situ	22-Feb-23	--	320	--	--	--	--	--	--	--	--	304
SP-4	6.5	In Situ	22-Feb-13	--	200	--	--	--	--	--	--	--	--	176
SP-5	5.5	In Situ	22-Feb-13	--	80	--	--	--	--	--	--	--	--	32.0
BH-1N (7')	7.0	In Situ	26-Feb-13	--	--	--	--	--	--	--	--	--	--	256
BH-2M (7')	7.0	In Situ	26-Feb-13	--	--	--	--	--	--	--	--	--	--	**1,790**
BH-3S (7')	7.0	In Situ	26-Feb-13	--	--	--	--	--	--	--	--	--	--	224
NMOCD Remedial Thresholds				100		10				50			100	500

Bold values are in excess of NMOCD Remediation Threshold Goals
-- = Not Analyzed
J = Detected, but below the Reporting Limit. Therefore, result is an estimated concentration (CPL J-Flag
BG = Background Soil Boring

ATTACHMENT I

SITE PHOTOGRAPHS

Photograph No. 1 – Lease Sign

Photograph No. 2 – Looking northerly at release area and cleanup effort

Photograph No. 3 – Looking a broken water leg

Photograph No. 4 – Looking southerly at release area and cleanup efforts

Photograph #5 – Looking at intersection of two (2) three-inch steel and 8-inch poly pipelines

Photograph #6 – Looking southerly at two (2) three-inch steel pipelines with pipe supports and compaction of cushion material layer

Photograph #7 – Looking southerly at placement and compaction of cushion material layer for placement on 20-mil Polyethylene reinforced liner

Photograph #8 – Placement of 20-mil Polyethylene reinforced liner

Photograph #9 – Looking northerly at placement of top soil over 20-mil Polyethylene Liner

Photograph #10 – Looking northerly at surface of backfilled area and caliche material around heater treater

ATTACHMENT II

LABORATORY ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY

CARDINAL LABORATORIES

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

May 26, 2010

David P. Duncan
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Re: NM State S State TB (190041)

Enclosed are the results of analyses for sample number H19949, received by the laboratory on 05/21/10 at 3:25 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though 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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 5 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: DAVID P. DUNCAN
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (575) 394-2601

Receiving Date: 05/21/10
Reporting Date: 05/26/10
Project Owner: EXXON MOBIL (190041)
Project Name: NM STATE S STATE TB
Project Location: UL-F, SEC. 02, T22S, R37E

Sampling Date: 05/21/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 4.5°C
Sample Received By: JH
Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		05/25/10	05/25/10	05/24/10	05/24/10	05/24/10	05/24/10	05/24/10
H19949-1	ST-1 (1')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	736
H19949-2	ST-1 (2')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	608
H19949-3	ST-1 (3')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	512
H19949-4	ST-1 (4')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	400
H19949-5	ST-1 (5')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	624
H19949-6	ST-1 (6')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	384
H19949-7	BG-1 (1')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	< 16
H19949-8	ST-2 (1')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,440
H19949-9	ST-2 (2')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,380
Quality Control		478	471	0.018	0.018	0.018	0.054	500
True Value QC		500	500	0.020	0.020	0.020	0.060	500
% Recovery		95.6	94.2	90.0	90.0	90.0	90.0	100
Relative Percent Difference		2.4	0.5	6.8	6.6	7.5	5.3	< 0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B
*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

Lab Director

05/26/10
Date

H19949 TBCL EPI

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by **Cardinal** within thirty (30) days after completion of the applicable service. In no event shall **Cardinal** be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: DAVID P. DUNCAN
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (575) 394-2601

Receiving Date: 05/21/10
Reporting Date: 05/26/10
Project Owner: EXXON MOBIL (190041)
Project Name: NM STATE S STATE TB
Project Location: UL-F, SEC. 02, T22S, R37E

Sampling Date: 05/21/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 4.5°C
Sample Received By: JH
Analyzed By: AB/ZL/HM

LAB NO.	SAMPLE ID	GRO (C_6-C_{10}) (mg/kg)	DRO (>C_{10}-C_{28}) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	Cl* (mg/kg)
ANALYSIS DATE:		05/25/10	05/25/10	05/25/10	05/25/10	05/25/10	05/25/10	05/24/10
H19949-10	ST-2 (3')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,140
H19949-11	ST-2 (4')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,220
H19949-12	ST-2 (5')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,410
H19949-13	ST-2 (6')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,440
H19949-14	ST-2 (7)	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,420
H19949-15	ST-2 (8')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	864
H19949-16	ST-2 (9')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,800
H19949-17	ST-2 (10')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	1,570
H19949-18	ST-2 (11')	<10.0	<10.0	<0.050	<0.050	<0.050	<0.300	736
Quality Control		478	471	0.017	0.019	0.017	0.051	500
True Value QC		500	500	0.020	0.020	0.020	0.060	500
% Recovery		95.6	94.2	85.0	95.0	85.0	85.0	100
Relative Percent Difference		2.4	0.5	<1.0	4.6	3.7	2.8	< 0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; Cl-: Std. Methods 4500-Cl-B
*Analyses performed on 1:4 w:v aqueous extracts. Reported on wet weight.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES. Not accredited for GRO/DRO and Chloride.

Lab Director

05/26/10
Date

H19949 TBCL EPI

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by **Cardinal** within thirty (30) days after completion of the applicable service. In no event shall **Cardinal** be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 *P.O. Box 1558, Eunice, NM 88231*
(575) 394-3481 FAX: (575) 394-2601

LAB: Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	NM State S State TB
Location	UL-F, Sec. 02, T22S, R37E
Project Reference	190041
EPI Sampler Name	Kirt Tyree

Bill To

Attn: David P. Duncan
P.O. Box 1558
Eunice, NM 88231

ANALYSIS REQUEST

LAB I.D.		SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH			
H19949-1	1	ST-1 (1')	G	1			X					X		21-May-10	8:50	X	X	X							
2	2	ST-1 (2')	G	1			X					X		21-May-10	8:55	X	X	X							
3	3	ST-1 (3')	G	1			X					X		21-May-10	9:00	X	X	X							
4	4	ST-1 (4')	G	1			X					X		21-May-10	9:40	X	X	X							
5	5	ST-1 (5')	G	1			X					X		21-May-10	9:45	X	X	X							
6	6	ST-1 (6')	G	1			X					X		21-May-10	9:50	X	X	X							
7	7	BG-1 (1')	G	1			X					X		21-May-10	10:15	X	X	X							
8	8	ST-2 (1')	G	1			X					X		21-May-10	10:22	X	X	X							
9	9	ST-2 (2')	G	1			X					X		21-May-10	10:24	X	X	X							
10	10	ST-2 (3')	G	1			X					X		21-May-10	10:26	X	X	X							

Sampler Relinquished:	5/21/2010 Time	Received By:	E-mail results to: dduncan@envplus.net
Relinquished by:	5/21/2010 Time 3:25	Received By: (lab staff) Jodi Henson	
Delivered by: 4.9°C	Sample Cool & Intact Yes / No	Checked By:	

#26

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB: Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	NM State S State TB
Location	UL-F, Sec. 02, T22S, R37E
Project Reference	190041
EPI Sampler Name	Kirt Tyree

Bill To

Attn: David P. Duncan
P.O. Box 1558
Eunice, NM 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-})	pH	TCLP	OTHER >>>	PAH			
H19949 – 11	ST-2(4')	G	1			X					X		21-May-10	10:27	X	X	X								
– 12	ST-2 (5')	G	1			X					X		21-May-10	10:28	X	X	X								
– 13	ST-2 (6')	G	1			X					X		21-May-10	10:30	X	X	X								
– 14	ST-2 (7')	G	1			X					X		21-May-10	11:25	X	X	X								
– 15	ST-2 (8')	G	1			X					X		21-May-10	11:27	X	X	X								
– 16	ST-2 (9')	G	1			X					X		21-May-10	11:30	X	X	X								
– 17	ST-2 (10')	G	1			X					X		21-May-10	11:50	X	X	X								
– 18	ST-2 (11')	G	1			X					X		21-May-10	12:45	X	X	X								
19																									
20																									

Sampler Relinquished:	5/21/2010 Time	Received By:	E-mail results to: dduncan@envplus.net
Relinquished by:	5/21/2010 Time 3:25	Received By: (lab staff) Jodi Henson	
Delivered by:	4.9°C Sample Cool & Intact Yes No	Checked By:	

#26

CARDINAL LABORATORIES

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

August 4, 2010

David P. Duncan
Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231

Re: NM State S State TB (190041)

Enclosed are the results of analyses for sample number H20457, received by the laboratory on 07/30/10 at 2:45 pm.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited though 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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.

CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
ENVIRONMENTAL PLUS, INC.
ATTN: DAVID P. DUNCAN
P.O. BOX 1558
EUNICE, NM 88231
FAX TO: (575) 394-2601

Receiving Date: 07/30/10
Reporting Date: 07/30/10
Project Owner: EXXONMOBIL (190041)
Project Name: NM STATE S STATE TB
Project Location: UL-F, SEC.02, T22S, R37E

Analysis Date: 07/30/10
Sampling Date: 07/29/10
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 0°C
Sample Received By: AB
Analyzed By: HM

LAB NUMBER	SAMPLE ID	Cl^- (mg/kg)
H20457-1	ST-3 (5')	48
H20457-2	ST-3 (7')	96
Quality Control		510
True Value QC		500
% Recovery		102
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.

Chemist

08/04/10
Date

H20457 EPI

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by **Cardinal** within thirty (30) days after completion of the applicable service. In no event shall **Cardinal** be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, 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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Environmental Plus, Inc.

P.O. Box 1558, 2100 Avenue "O", Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB: Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	NM State S State TB
Location	UL-F, Sec. 02, T22S, R37E
Project Reference	190041
EPI Sampler Name	Danny Deaton

Bill To

Attn: David P. Duncan
P.O. Box 1558
Eunice, NM 88231

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES (SO_4^{-2})	pH	TCLP	OTHER >>>	PAH			
H20457-1	ST-3 (5')	G	1			X					X		29-Jul-10	10:00			X								
-2	ST-3 (7')	G	1			X					X		29-Jul-10	12:15			X								
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									

Sampler Relinquished: Danny Deaton	7/30/2010 Time 200	Received By:	E-mail results to: dduncan@envplus.net
Relinquished by:	7/30/2010 Time 2:45pm	Received By: (lab staff)	
Delivered by: 0°C #76	Sample Cool & Intact: Yes / No	Checked By:	

CARDINAL Laboratories

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

January 27, 2011

David P. Duncan

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: NM STATE S STATE TB

Enclosed are the results of analyses for samples received by the laboratory on 01/26/11 8:50.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (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:

Environmental Plus, Inc.
David P. Duncan
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	01/26/2011	Sampling Date:	01/25/2011
Reported:	01/27/2011	Sampling Type:	Soil
Project Name:	NM STATE S STATE TB	Sampling Condition:	Cool & Intact
Project Number:	190041	Sample Received By:	Jodi Henson
Project Location:	UL-F, SEC. 02, T22S, R37E		

Sample ID: SB - 1 (5') (H100177-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: LR**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1120**	16.0	01/27/2011	ND	432	108	400	0.00	

Sample ID: SB - 1 (10') (H100177-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: LR**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**592**	16.0	01/26/2011	ND	432	108	400	0.00	

Sample ID: SB - 1 (15') (H100177-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: LR**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	01/26/2011	ND	432	108	400	0.00	

Sample ID: SB - 1 (20') (H100177-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: LR**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	01/26/2011	ND	432	108	400	0.00	

Sample ID: SB - 1 (25') (H100177-05)

Chloride, SM4500Cl-B mg/kg **Analyzed By: LR**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	01/26/2011	ND	432	108	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Environmental Plus, Inc.

2100 Avenue "O", P.o. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB:

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	ExxonMobil
Facility Name	NM State S State TB
Location	UL-F, Sec. 02, T22S, R37E
Project Reference	190041
EPI Sampler Name	Kirby Bingham

Bill To: Attn: David P. Duncan, P.O. Box 1558, Eunice, NM 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H100177-1 1	SB-1 (5')	G	1			X					X		25-Jan-11	10:40			X								
2 2	SB-1 (10')	G	1			X					X		25-Jan-11	10:50			X								
3 3	SB-1 (15')	G	1			X					X		25-Jan-11	11:00			X								
4 4	SB-1 (20')	G	1			X					X		25-Jan-11	11:07			X								
5 5	SB-1 (25')	G	1			X					X		25-Jan-11	11:20			X								
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished:	1/26/2011 Time	Received By: Jodi Henson	E-mail results to: dduncanepi@gmail.com and shelby.g.pennington@exxonmobil.com
Relinquished by: K. Bingham	1/26/2011 Time: 8:50	Received By: (lab staff)	
Delivered by: K. Bingham	-1.0°c Sample Cool & Intact Yes / No	Checked By:	

#26

CARDINAL Laboratories

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

February 25, 2013

David P. Duncan

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: NM "S" STATE TB #5

Enclosed are the results of analyses for samples received by the laboratory on 02/25/13 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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:

Environmental Plus, Inc.
David P. Duncan
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	02/25/2013	Sampling Date:	02/22/2013
Reported:	02/25/2013	Sampling Type:	Soil
Project Name:	NM "S" STATE TB #5	Sampling Condition:	Cool & Intact
Project Number:	190041	Sample Received By:	Jodi Henson
Project Location:	UL-F, SEC. 02, T22S, R37E		

Sample ID: SP - 1 (5.5') (H300491-01)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/25/2013	ND	416	104	400	3.77	

Sample ID: SP - 2 (6.5') (H300491-02)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	02/25/2013	ND	416	104	400	3.77	

Sample ID: SP - 3 (6') (H300491-03)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**304**	16.0	02/25/2013	ND	416	104	400	3.77	

Sample ID: SP - 4 (6.5') (H300491-04)

Chloride, SM4500Cl-B mg/kg **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	02/25/2013	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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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:

Environmental Plus, Inc.
David P. Duncan
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	02/25/2013	Sampling Date:	02/22/2013
Reported:	02/25/2013	Sampling Type:	Soil
Project Name:	NM "S" STATE TB #5	Sampling Condition:	Cool & Intact
Project Number:	190041	Sample Received By:	Jodi Henson
Project Location:	UL-F, SEC. 02, T22S, R37E		

Sample ID: SP - 5 (7.5') (H300491-05)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	02/25/2013	ND	416	104	400	3.77	

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*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB:

Company Name	Environmental Plus, Inc.	Remit Invoice To:	
EPI Project Manager	David P. Duncan		
Mailing Address	P.O. BOX 1558		
City, State, Zip	Eunice New Mexico 88231		
EPI Phone#/Fax#	575-394-3481 / 575-394-2601		
Client Company	XTO		
Facility Name	NM "S" State TB #5		
Location	UL-F, Sec. 02, T22S, R37E		
Project Reference	190041		
EPI Sampler Name	David Robinson		

Environmental Plus, Inc.
Attn: David P. Duncan
2100 Avenue "O"
P.O. Box 1558
Eunice, New Mexico 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	MATRIX: WASTEWATER	MATRIX: SOIL	MATRIX: CRUDE OIL	MATRIX: SLUDGE	MATRIX: OTHER:	PRESERV.: ACID/BASE	PRESERV.: ICE/COOL	PRESERV.: OTHER	SAMPLING: DATE	SAMPLING: TIME	ANALYSIS REQUEST: BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^-)	pH	TCLP	OTHER >>>	PAH			
H300491																									
1	SP-1 (5.5')	G	1			X					X		22-Feb-13	7:02			X								
2	SP-2 (6.5')	G	1			X					X		22-Feb-13	7:05			X								
3	SP-3 (6')	G	1			X					X		22-Feb-13	7:07			X								
4	SP-4 (6.5')	G	1			X					X		22-Feb-13	7:10			X								
5	SP-5 (7.5')	G	1			X					X		22-Feb-13	7:14			X								
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished: David Robinson	02/22/13 Time 2:00 pm	Received By:	E-mail results to: dduncan@gmail.com
Relinquished by:	02/25/13 9:15	Received By: (lab staff) Jodi Henson	: RUSH ORDER REQUESTED - E-mail results to David P. Duncan at dduncan@gmail.com
Delivered by:	Sample Cool & Intact: Yes 1°C / No	Checked By:	

#26

CARDINAL Laboratories

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

March 04, 2013

David P. Duncan

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: NM "S" STATE TB #5

Enclosed are the results of analyses for samples received by the laboratory on 02/27/13 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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:

Environmental Plus, Inc.
David P. Duncan
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	02/27/2013	Sampling Date:	02/26/2013
Reported:	03/04/2013	Sampling Type:	Soil
Project Name:	NM "S" STATE TB #5	Sampling Condition:	Cool & Intact
Project Number:	190041	Sample Received By:	Jodi Henson
Project Location:	UL-F, SEC. 02, T22S, R37E		

Sample ID: BH - 1 (7') N (H300516-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	03/04/2013	ND	416	104	400	3.77	

Sample ID: BH - 2 (7') M (H300516-02)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1790**	16.0	03/04/2013	ND	416	104	400	3.77	

Sample ID: BH - 3 (7') S (H300516-03)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: DW**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**224**	16.0	03/04/2013	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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 client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Environmental Plus, Inc.

Chain of Custody Form

2100 Avenue O, Eunice, NM 88231 *P.O. Box 1558, Eunice, NM 88231*
(575) 394-3481 FAX: (575) 394-2601

LAB:

Company Name	Environmental Plus, Inc.
EPI Project Manager	David P. Duncan
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	XTO
Facility Name	NM "S" State TB #5
Location	UL-F, Sec. 02, T22S, R37E
Project Reference	190041
EPI Sampler Name	Eddie Gaytan

Remit Invoice To:

Environmental Plus, Inc.
Attn: David P. Duncan
2100 Avenue "O"
P.O. Box 1558
Eunice, New Mexico 88231

ANALYSIS REQUEST

LAB I.D. (H30051L6)	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl)	SULFATES (SO_4^{-})	pH	TCLP	OTHER >>>	PAH			
1	BH-1 (7') N	G	1			X					X		26-Feb-13	9:45			X								
2	BH-2 (7') M	G	1			X					X		26-Feb-13	10:00			X								
3	BH-3 (7') S	G	1			X					X		26-Feb-13	10:12			X								
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished: Eddie Gaytan	02/26/13 Time: 6:00	Received By:	E-mail results to: [illegible]@gmail.com
Relinquished by:	02/27/13 Time: 9:30	Received By: (lab staff) Gabi Henson	
Delivered by: 5° C	Sample Cool & Intact: ✓ Yes No	Checked By:	

#26

ATTACHMENT III

SAMPLE TRENCH LOGS (FM & OL Forms)

Environmental Plus, Inc.
P.O. Box 1558
2100 Avenue O
Eunice, NM 88231
(575) 394-3481
(575) 394-2601 (fax)

FIELD MEASUREMENT/OBSERVATION LOG

COMPANY: ExxonMobil Corp. | **PROJECT NAME:** New Mexico "S" State TB #5 | **PROJECT NUMBER:** EPI #190041

PROJECT MANAGER: David Duncan | **FIELD TECHNICIAN:** Kurt Tyree | **DATE:** 5-21-10

SAMPLE ID	SAMPLE DEPTH (FT)	COLLECTION TIME	PID ANALYSIS TIME	PID READING (PPM)	CHLORIDE ANALYSIS					SOIL DESCRIPTION
							Titration Tube Reading		mg/Kg	
ST-1	1	8:50	9:05	117	2 gms of soil	40 ml H2O	44	x 20 =	880	Clay/Sand
ST-1	2	8:55	9:15	310	2 gms of soil	40 ml H2O	40	x 20 =	800	Clay/Sand
ST-1	3	9:00	9:30	320	2 gms of soil	40 ml H2O	36	x 20 =	720	Clay/Sand
ST-1	4	9:40	10:00	19.0	2 gms of soil	40 ml H2O	28	x 20 =	560	Clay/Sand
ST-1	5	9:45	10:05	15.7	2 gms of soil	40 ml H2O	36	x 20 =	720	Caliche
ST-1	6	9:50	10:10	17.4	2 gms of soil	40 ml H2O	24	x 20 =	480	Caliche
BG-1	1	10:15	10:20	0.0	2 gms of soil	40 ml H2O	12	x 20 =	240	Sand
ST-2	1	10:22	10:55	18.6	2 gms of soil	40 ml H2O	64	x 20 =	1,280	Clay/Sand
ST-2	2	10:24	11:00	20.5	2 gms of soil	40 ml H2O	80	x 20 =	1,600	Clay/Sand
ST-2	3	10:26	11:05	22.8	2 gms of soil	40 ml H2O	64	x 20 =	1,280	Clay/Sand
ST-2	4	10:27	11:10	18.4	2 gms of soil	40 ml H2O	64	x 20 =	1,280	Clay/Sand
ST-2	5	10:28	11:15	8.6	2 gms of soil	40 ml H2O	80	x 20 =	1,600	Clay/Sand
ST-2	6	10:30	11:20	3.6	2 gms of soil	40 ml H2O	80	x 20 =	1,600	Clay/Sand
ST-2	7	11:25	11:40	3.1	2 gms of soil	40 ml H2O	68	x 20 =	1,360	Clay/Sand
ST-2	8	11:27	11:42	1.7	2 gms of soil	40 ml H2O	44	x 20 =	880	Clay/Sand
ST-2	9	11:30	11:45	0.6	2 gms of soil	40 ml H2O	72	x 20 =	1,440	Caliche
ST-2	10	11:50	12:10	0.7	2 gms of soil	40 ml H2O	52	x 20 =	1,040	Caliche
ST-2	11	12:45	13:00	1.8	2 gms of soil	40 ml H2O	28	x 20 =	560	Caliche
					2 gms of soil	40 ml H2O		x 20 =		

PID CALIBRATION

Time	Fresh Air	Span Gas	Time	Fresh Air	Span Gas

WEATHER

Time	Temp.	Misc

Environmental Plus, Inc.
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2100 Avenue O
Eunice, NM 88231
(575) 394-3481
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FIELD MEASUREMENT/OBSERVATION LOG

COMPANY: ExxonMobil Corp. | **PROJECT NAME:** New Mexico "S" State TB #5 | **PROJECT NUMBER:** EPI #190041

PROJECT MANAGER: David Duncan | **FIELD TECHNICIAN:** Danny Deaton | **DATE:** 7-29-10

SAMPLE ID	SAMPLE DEPTH (FT)	COLLECTION TIME	PID ANALYSIS TIME	PID READING (PPM)	CHLORIDE ANALYSIS					SOIL DESCRIPTION
							Titration Tube Reading		mg/Kg	
ST-3	2	11:15	11:25	1.3	2 gms of soil	40 ml H2O	28	x 20 =	560	Clay/Sand
ST-3	3.5	10:30	10:35	0.0	2 gms of soil	40 ml H2O	32	x 20 =	640	Clay/Sand
ST-3	5	10:00	10:05	1.1	2 gms of soil	40 ml H2O	14	x 20 =	280	Clay/Sand
ST-3	7	12:15	12:20	0.0	2 gms of soil	40 ml H2O	18	x 20 =	360	Clay/Sand
ST-3	10	10:20	10:30	0.0	2 gms of soil	40 ml H2O	40	x 20 =	800	Clay/Sand
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		
					2 gms of soil	40 ml H2O		x 20 =		

PID CALIBRATION

Time	Fresh Air	Span Gas	Time	Fresh Air	Span Gas

WEATHER

Time	Temp.	Misc

ATTACHMENT IV

WELL RECORD AND LOG OFFICE OF THE STATE ENGINEER

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

POD NUMBER (WELL NUMBER)	OSE FILE NUMBER(S)
NEW MEXICO S STATE TANK BATTERY SB-1	
WELL OWNER NAME(S)	**PHONE (OPTIONAL)**
EXXON/MOBIL	
WELL OWNER MAILING ADDRESS	**CITY / STATE / ZIP**
6810 NW 8000	ANDREWS / TX / 79714

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	25	13.00	N
	LONGITUDE	103	8	8.00	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

WEST OF 18 & DRINKARD RD

2. OPTIONAL

(2.5 ACRE)	(10 ACRE)	(40 ACRE)	(160 ACRE)	SECTION	TOWNSHIP	RANGE
¼	¼	¼	¼		☐ NORTH ☐ SOUTH	☐ EAST ☐ WEST

SUBDIVISION NAME	LOT NUMBER	BLOCK NUMBER	UNIT/TRACT

HYDROGRAPHIC SURVEY	MAP NUMBER	TRACT NUMBER

3. DRILLING INFORMATION

LICENSE NUMBER	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1478	MARTIN STRAUB	STRAUB CORPORATION

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
1-25-11	1-25-11	0	25	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 (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
0	25	6	N/A	N/A	N/A	N/A	N/A

4. WATER BEARING STRATA

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	YIELD (GPM)

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA	TOTAL ESTIMATED WELL YIELD (GPM)

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 1 OF 2

5. SEAL AND PUMP

TYPE OF PUMP: ☐ SUBMERSIBLE ☐ JET ☐ NO PUMP – WELL NOT EQUIPPED
☐ TURBINE ☐ CYLINDER ☐ OTHER – SPECIFY:

ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT) FROM	DEPTH (FT) TO	BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
	0	2	5	1 BAG OF CEMENT		TOPLOAD
	2	25	5	8 BAGS OF 3/8 PLUG		TOPLOAD

6. GEOLOGIC LOG OF WELL

DEPTH (FT) FROM	DEPTH (FT) TO	THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?
0	8	8	TAN RED SILTY CLAY & SAND	☐ YES ☑ NO
8	9	1	TAN SILTY CLAY	☐ YES ☑ NO
9	13	4	SOFT CALICHE	☐ YES ☑ NO
13	17	4	TAN RED SILTY SAND & CLAY	☐ YES ☑ NO
17	25	8	TAN SILTY SAND & SOFT SANDSTONE	☐ YES ☑ NO
TD	25			☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO
				☐ YES ☐ NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO

WELL TEST — METHOD: ☐ BAILER ☐ PUMP ☐ AIR LIFT ☐ OTHER – SPECIFY:

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

ADDITIONAL STATEMENTS OR EXPLANATIONS

SOIL BORING ONLY- SOIL BORING WAS PLUGGED AND ABANDONED UPON COMPLETION OF SAMPLING

8. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING.

Matt Stark — SIGNATURE OF DRILLER

2-10-11 — DATE

FOR OSE INTERNAL USE — WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER	POD NUMBER	TRN NUMBER
LOCATION		PAGE 2 OF 2

ATTACHMENT V

COPY OF INITIAL NMOCD FORM C-141

FINAL NMOCD FORM C-141

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company XTO Energy	Contact Guy Pearce
Address P.O. Box 700, Eunice, New Mexico 88231	Telephone No. (575) 394-2089 (office)
Facility Name New Mexico "S" State Tank Battery #5	Facility Type Active Tank Battery

Surface Owner State of New Mexico	Mineral Owner State of New Mexico	API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	02	17S	35E					Lea

Latitude N32° 25' 13.53" **Longitude** 103° 08' 08.07"

NATURE OF RELEASE

Type of Release Combination oil and produced water	Volume of Release 78.4 oil/8.7 produced water	Volume Recovered 75 bbls oil/8.3-bbls produced oil
Source of Release Broken water leg on Heater Treater	Date and Hour of Occurrence 3-20-10 @ 8:00 AM	Date and Hour of Discovery 3/20/10 @ 8:00 AM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? E. L. Gonzales	
By Whom? Shelby Pennington (ExxonMobil Corp.)	Date and Hour 3-20-10 @ 14:30	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*N/A

Describe Cause of Problem and Remedial Action Taken.* A water leg attached to an active heater treater separated and released the above described volumes of oil/produced water; vacuum trucks plus a roust-a-bout crew arrived at the release site and immediately started clean up activities; vacuum trucks picked up 75-bbls of petroleum products and 8.3-bbls of produced water; roust-a-bout crew blended clean soil with oily impacted material and transported stiffened material to Sundance Services for disposal; combined fluids covered a release area of ±5,300 square feet; XTO retained the services of Environmental Plus, Inc., (EPI) to GPS, photograph, delineate release area and present a *Site Remediation Proposal* to NMOCD; said *Report* was presented to the NMOCD on 4-29-11 ☐

Describe Area Affected and Cleanup Action Taken.* Release area was delineated via Sample Trenches on 5-21-10 and 6-29-10; on 1-25-11 release area was delineated via soil boring and determined vertical limit of impacted material was 15-feet below ground surface in center of release area; on 3-7-11 release area was hydro-excavated to determine number and sizes of buried pipelines; on 2-18-13 EPI mobilized to release area and started remediation activities; from 2-18-13 to 2-25-13 EPI excavated ±1,626 cubic yards of impacted material from the excavation (4,230 square feet X 7-8 foot depth) and transported to Sundance Services for disposal; on 2-28-13 a 20-mil reinforced polyethylene liner sandwiched between two (2) feet layers of cushion material was installed in the excavation bottom; remainder of excavation was backfilled with clean top soil with an accumulative volume of 1,596 cubic yards (including cushion material); the surface was contoured to prevent water pooling, wind/water erosion and promote water drainage away from the release area; remaining remedial activity is discing and deep drill seeding of disturbed area with a seed blend approved by the NMSLO. ☐

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Guy Pearce	OIL CONSERVATION DIVISION
Printed Name: Guy Pearce	Approved by Environmental Specialist:
Title: Production Foreman	Approval Date: / Expiration Date:
E-mail Address: guy_pearce@xtoenergy.com	Conditions of Approval: / Attached ☐
Date: 4-23-13 Phone: (575) 394-2089	

* Attach Additional Sheets If Necessary

LETTER OF TRANSMITTAL

ENVIRONMENTAL PLUS, INC.

Date:	25 April 2013
To:	**Geoffrey Leking**
Company Name:	New Mexico Oil Conservation Division
Address:	1625 North French Drive
City / State / Zip:	Hobbs, New Mexico 88240
From:	David P. Duncan
CC:	Ben Sturgill, NMSLO – Hobbs NM Steven Ikeda, NMSLO – Santa Fe, NM Guy Pearce, XTO – Eunice, NM
Project # :	190041
Project Name:	New Mexico "S" State Tank Battery #5
Subject:	**Remediation Closure Report**

HOBBS OCD

APR 29 2013

RECEIVED

# of originals	# of copies	Description
	1	New Mexico "S" State Tank Battery #5 – Remediation Closure Report

Remarks
Dear Mr. Leking

Enclosed for information and record is *Remediation Closure Report* for the above referenced Site.

Should you have questions, concerns or need additional technical information, please contact me at (575) 394-3481 (office), (575) 441-7802 (cellular) or via e-mail at dduncanepi@gmail.com.

Sincerely,

David P. Duncan
Civil Engineer
EPI Project Manager

P. O. Box 1558
Eunice, NM 88240
(505) 394-3481
Fax: (505) 394-2601