

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

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

30-045-30834

OPERATOR

☐ Initial Report ☒ Final Report

| | |
|--|----------------------------------|
| Name of Company: XTO Energy, Inc. | Contact: Kurt Hoekstra |
| Address: 382 Road 3100, Aztec, New Mexico 87410 | Telephone No.: (505) 333-3202 |
| Facility Name: Garcia Gas Com B # 1 M (30-045-30834) | Facility Type: Gas Well (Dakota) |

| | | |
|------------------------|----------------|----------------|
| Surface Owner: Private | Mineral Owner: | Lease No.: Fee |
|------------------------|----------------|----------------|

LOCATION OF RELEASE

| | | | | | | | | |
|------------------|---------------|-----------------|--------------|----------------------|-------------------------|-----------------------|-----------------------|--------------------|
| Unit Letter O | Section 21 | Township 29N | Range 10W | Feet from the 805 | North/South Line FSL | Feet from the 1730 | East/West Line FEL | County San Juan |
|------------------|---------------|-----------------|--------------|----------------------|-------------------------|-----------------------|-----------------------|--------------------|

Latitude: 36.70639 Longitude: -107.88639

RCVD JUN 13 '12

OIL CONS. DIV.

NATURE OF RELEASE

DIST 2

| | | |
|--|---|--|
| Type of Release: Produced Water | Volume of Release: unknown | Volume Recovered: None |
| Source of Release: Below Grade Tank | Date and Hour of Occurrence: Unknown | Date and Hour of Discovery: 4-30-2012 |
| Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |

If a Watercourse was Impacted, Describe Fully.*


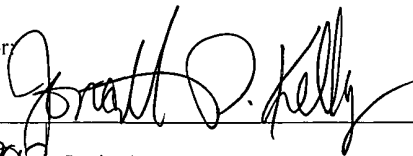
Describe Cause of Problem and Remedial Action Taken.* The below grade tank was taken out of service at the Garcia Gas Com B # 1 M well site due to maintenance upgrades to this location. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 418.1 and 8015, benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for benzene, total BTEX and chlorides, but above the 100 ppm TPH standard at 133 ppm via USEPA Method 418.1, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 30 due to an estimated depth to groundwater of less than 50 feet and a distance to surface water of less than 1,000 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.*

The below grade tank closure sample was analyzed for DRO/GRO via USEPA Method 8015, returning results of > 0.1 mg/kg and > 0.2 mg/kg respectively. This is below the 100 ppm closure standard determined for this site. No further action is required regarding this incident.

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

OIL CONSERVATION DIVISION

| | | |
|--|--|-----------------------------------|
| Signature:  | Approved by District Supervisor:  | |
| Printed Name: Kurt Hoekstra | Approval Date: 6/15/2012 Expiration Date: | |
| Title: Sr. Environmental Technician | Conditions of Approval: | Attached <input type="checkbox"/> |
| E-mail Address: Kurt.Hoekstra@xtoenergy.com | | |
| Date: 6-7-2012 | Phone: 505-333-3202 | |

nJK121678986

CHAIN OF CUSTODY RECORD

13887

| Client: <u>X70 Energy</u> | | | Project Name / Location: <u>Green Bay, Wis. 13887</u> | | | ANALYSIS PARAMETERS | | | | | | | | | | | | | | |
|--|-------------|-------------|---|--------------------------|-------------------|--------------------------|--------------------|-------------------|---------------|----------------|-----|---------------|----------------|-------------|----------|---|--|------|-------------|---------------|
| Email results to: <u>John M. Baker</u> | | | Sampler Name: <u>K...</u> | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | CO Table 910-1 | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact |
| Client Phone No.: | | | Client No.: | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | No./Volume of Containers | Preservative | | | | | | | | | | | | | | | |
| | | | | | HgCl ₂ | HCl | | | | | | | | | | | | | | |
| <u>ES1 Clean Sample</u> | <u>4-30</u> | <u>9:15</u> | | <u>11. Jar</u> | | | | X | X | | | | | | | X | | | X | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <u>[Signature]</u> | | | | Date | Time | Received by: (Signature) | | | | | | | | | | | | Date | Time | |
| | | | | <u>4-30</u> | <u>2:00</u> | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | Received by: (Signature) | | | | | | | | | | | | | | |
| Sample Matrix | | | | | | | | | | | | | | | | | | | | |
| Soil <input type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | |

☐ Sample(s) dropped off after hours to secure drop off area.



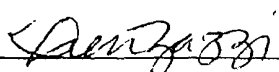
| | | | |
|----------------------|--------------------|---------------------|------------|
| Client: | XTO Energy | Project #: | 98031-0528 |
| Sample ID: | BGT Closure Sample | Date Reported: | 05-01-12 |
| Laboratory Number: | 61957 | Date Sampled: | 04-30-12 |
| Chain of Custody No: | 13887 | Date Received: | 04-30-12 |
| Sample Matrix: | Soil | Date Extracted: | 04-30-12 |
| Preservative: | Cool | Date Analyzed: | 05-01-12 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10) | ND | 0.2 |
| Diesel Range (C10 - C28) | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | |

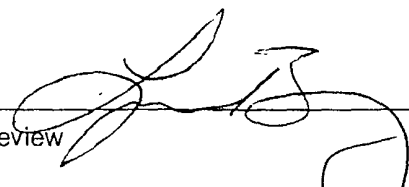
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Garcia Gas Com B #1M**



Analyst



Review

Quality Assurance Report

| | | | |
|--------------------|--------------------|--------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 0501TCAL QA/QC | Date Reported: | 05-01-12 |
| Laboratory Number: | 61957 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 05-01-12 |
| Condition: | N/A | Analysis Requested | TPH |

| | I-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|-------------------------|------------|------------|------------|--------------|---------------|
| Gasoline Range C5 - C10 | 05-01-12 | 1.0009E+03 | 1.0013E+03 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-01-12 | 9.9960E+02 | 1.0000E+03 | 0.04% | 0 - 15% |

| Blank Conc. (mg/L - mg/Kg) | Concentration | Detection Limit |
|------------------------------|---------------|-----------------|
| Gasoline Range C5 - C10 | ND | 0.2 |
| Diesel Range C10 - C28 | ND | 0.1 |
| Total Petroleum Hydrocarbons | ND | |

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|-------------------------|--------|-----------|--------------|---------------|
| Gasoline Range C5 - C10 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | ND | ND | 0.0% | 0 - 30% |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | ND | 250 | 306 | 122% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 282 | 113% | 75 - 125% |

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Wastewater, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 61866-61867, 61876-61878, 61900-61901, 61952-61953 and 61957

Analyst

Review

| | | | |
|--------------------|--------------------|---------------------|------------|
| Client: | XTO Energy | Project #: | 98031-0528 |
| Sample ID: | BGT Closure Sample | Date Reported: | 05-01-12 |
| Laboratory Number: | 61957 | Date Sampled: | 04-30-12 |
| Chain of Custody: | 13887 | Date Received: | 04-30-12 |
| Sample Matrix: | Soil | Date Analyzed: | 05-01-12 |
| Preservative: | Cool | Date Extracted: | 04-30-12 |
| Condition: | Intact | Analysis Requested: | BTEX |
| | | Dilution: | 50 |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|-------------------|--------------------------|--------------------------|
| Benzene | ND | 10.0 |
| Toluene | ND | 10.0 |
| Ethylbenzene | ND | 10.0 |
| p,m-Xylene | ND | 10.0 |
| o-Xylene | ND | 10.0 |
| Total BTEX | ND | |

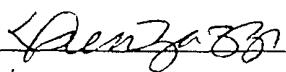
ND -.Parameter not detected at the stated detection limit.

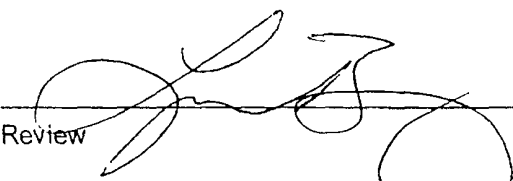
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|----------------------------|------------------|
| | Fluorobenzene | 99.0 % |
| | 1,4-difluorobenzene | 101 % |
| | Bromochlorobenzene | 99.0 % |

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Garcia Gas Com B #1M


 Analyst


 Review

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0501BCAL QA/QC | Date Reported: | 05-01-12 |
| Laboratory Number: | 61957 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 05-01-12 |
| Condition: | N/A | Analysis: | BTEX |
| | | Dilution: | 50 |

| Calibration and Detection Limits (ug/L) | I-Cal RF: | C-Cal RF: | %Diff. | Blank Conc | Detect: Limit |
|--|--------------------|------------|--------|---------------|------------------|
| | Accept Range 0-15% | | | | |
| Benzene | 4.3930E-06 | 4.3930E-06 | 0.000 | ND | 0.2 |
| Toluene | 4.2649E-06 | 4.2649E-06 | 0.000 | ND | 0.2 |
| Ethylbenzene | 4.7922E-06 | 4.7922E-06 | 0.000 | ND | 0.2 |
| p,m-Xylene | 3.5869E-06 | 3.5869E-06 | 0.000 | ND | 0.2 |
| o-Xylene | 5.1217E-06 | 5.1217E-06 | 0.000 | ND | 0.2 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene | ND | ND | 0.00 | 0 - 30% | 10 |
| Toluene | ND | ND | 0.00 | 0 - 30% | 10 |
| Ethylbenzene | ND | ND | 0.00 | 0 - 30% | 10 |
| p,m-Xylene | ND | ND | 0.00 | 0 - 30% | 10 |
| o-Xylene | ND | ND | 0.00 | 0 - 30% | 10 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 2500 | 2450 | 98.0 | 39 - 150 |
| Toluene | ND | 2500 | 2440 | 97.6 | 46 - 148 |
| Ethylbenzene | ND | 2500 | 2420 | 96.8 | 32 - 160 |
| p,m-Xylene | ND | 5000 | 4850 | 97.0 | 46 - 148 |
| o-Xylene | ND | 2500 | 2440 | 97.6 | 46 - 148 |

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References. Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 61866-61867, 61876-61878, 61900-61901, 61952-61953 and 61957

Analyst

Review

| | | | |
|----------------|--------------------|-------------------|------------|
| Client: | XTO Energy | Project #: | 98031-0528 |
| Sample ID: | BGT Closure Sample | Date Reported: | 05-02-12 |
| Lab ID#: | 61957 | Date Sampled: | 04-30-12 |
| Sample Matrix: | Soil | Date Received: | 04-30-12 |
| Preservative: | Cool | Date Analyzed: | 05-01-12 |
| Condition: | Intact | Chain of Custody: | 13887 |

| Parameter | Concentration (mg/Kg) |
|-----------|-----------------------|
|-----------|-----------------------|

Total Chloride**20**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Garcia Gas Com B #1M**


Analyst
Review

CHAIN OF CUSTODY RECORD

13864

| Client: <i>XTC Environmental</i> | | | Project Name / Location: <i>Capitol Gas Plant E. 11M</i> | | | ANALYSIS PARAMETERS | | | | | | | | | | | | | | | |
|--|----------------|-------------|---|--------------------------|------------------------|---------------------|--------------------------|-------------------|---------------|----------------|-----|---------------|----------------|-------------|----------|--|--|--|-------------|---------------|--|
| Email results to: <i>JANE M. MARR</i> | | | Sampler Name: <i>Kyle Harrison</i> | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | CO Table 910-1 | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact | |
| Client Phone No.: <i>505-111-1111</i> | | | Client No.: | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | No./Volume of Containers | Preservative | | | | | | | | | | | | | | | | |
| | | | | | HgCl ₂ | HCl | | | | | | | | | | | | | | | |
| <i>BAT Chrome</i> | <i>4-30-12</i> | <i>9:15</i> | | <i>(1) 4.2 L</i> | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>Kyle Harrison</i> | | | | | Date <i>4-30-12</i> | Time <i>7:00</i> | Received by: (Signature) | | | | | | | | | | | | Date | Time | |
| Relinquished by: (Signature) | | | | | | | Received by: (Signature) | | | | | | | | | | | | | | |
| Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. | | | | | | | | | | | | | | | | | | | | | |





envirotech

Analytical Laboratory

EPA METHOD 418.1

TOTAL PETROLEUM HYDROCARBONS

| | | | |
|----------------------|------------|------------------|------------|
| Client: | XTO Energy | Project #: | 98031-0528 |
| Sample ID: | BGT Cellar | Date Reported: | 05-01-12 |
| Laboratory Number: | 61956 | Date Sampled: | 04-30-12 |
| Chain of Custody No: | 13864 | Date Received: | 04-30-12 |
| Sample Matrix: | Soil | Date Extracted: | 05-01-12 |
| Preservative: | Cool | Date Analyzed: | 05-01-12 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|-----------|--------------------------|--------------------------|
|-----------|--------------------------|--------------------------|

| | | |
|------------------------------|-----|-----|
| Total Petroleum Hydrocarbons | 133 | 7.4 |
|------------------------------|-----|-----|

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Garcia Gas Com B #1M

Analyst

Review



envirotech

Analytical Laboratory

EPA METHOD 418.1

TOTAL PETROLEUM HYDROCARBONS

QUALITY ASSURANCE REPORT

| | | | |
|--------------------|-----------------------|------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | QA/QC | Date Reported: | 05-01-12 |
| Laboratory Number: | 05-01-TPH.QA/QC 61956 | Date Sampled: | N/A |
| Sample Matrix: | Freon-113 | Date Analyzed: | 05-01-12 |
| Preservative: | N/A | Date Extracted: | 05-01-12 |
| Condition: | N/A | Analysis Needed: | TPH |

| Calibration | I-Cal Date | C-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|-------------|------------|------------|-----------|-----------|--------------|---------------|
| | 01-17-12 | 05-01-12 | 1,850 | 1,720 | 7.0% | +/- 10% |

Blank Conc. (mg/Kg)

TPH

Concentration

ND

Detection Limit

7.4

Duplicate Conc. (mg/Kg)

TPH

Sample

133

Duplicate

118

% Difference

11.1%

Accept. Range

+/- 30%

Spike Conc. (mg/Kg)

TPH

Sample

133

Spike Added

2,000

Spike Result

2,000

% Recovery

93.8%

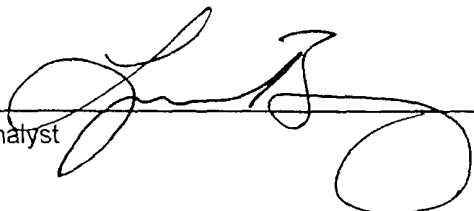
Accept Range

80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 61951, 61956, 61963-61964.

Analyst 

Review 