

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**

**OPERATOR**

☐ Initial Report ☒ Final Report

|   |                                  |
|---|----------------------------------|
| Name of Company: XTO Energy, Inc.                 | Contact: James McDaniel          |
| Address: 382 Road 3100, Aztec, New Mexico 87410   | Telephone No.: (505) 333-3701    |
| Facility Name: Davis Gas COM F #1R (30-045-30833) | Facility Type: Gas Well (Dakota) |

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

**LOCATION OF RELEASE**

|                  |               |                 |              |                       |                         |                      |                       |                    |
|------------------|---------------|-----------------|--------------|-----------------------|-------------------------|----------------------|-----------------------|--------------------|
| Unit Letter<br>I | Section<br>27 | Township<br>29N | Range<br>11W | Feet from the<br>1785 | North/South Line<br>FSL | Feet from the<br>795 | East/West Line<br>FEL | County<br>San Juan |
|------------------|---------------|-----------------|--------------|-----------------------|-------------------------|----------------------|-----------------------|--------------------|

Latitude: 36.6947 Longitude: -107.9727

RCVD AUG 10 '11  
OIL CONS. DIV.  
DIST. 3

**NATURE OF RELEASE**

|  |   |   |
|--|---|---|
| Type of Release: Produced Water  | Volume of Release: 50 bbls                | Volume Recovered: None                              |
| Source of Release: Ruptured Line   | Date and Hour of Occurrence:<br>Unknown   | Date and Hour of Discovery:<br>July 24, 2011 - 0945 |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>Brandon Powell        |   |
| By Whom? James McDaniel  | Date and Hour: July 25, 2011 - 1022       |   |
| Was a Watercourse Reached?<br><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.\*

On July 24, 2011, an XTO a line rupture was discovered at the Davis Gas COM F #1R well site. The rupture was caused by a valve being left closed, causing the water line to over-pressure. The well was immediately shut in, and repairs were made to the damaged line. Approximately 50 bbls of produced water was released into the bermed area. No sheen or hydrocarbon odors were observed in the spill area. The well site was ranked a 10 according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. This ranking is due to a groundwater depth of less than 50 feet. This set the closure standards to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX. Local water well data indicates that the groundwater at this location is approximately 48 feet.

Describe Area Affected and Cleanup Action Taken.\*

On July 25, 2011, a composite sample was collected of the spill area and analyzed for DRO/GRO via USEPA Method 8015, and for benzene and total BTEX via USEPA Method 8021. The sample returned results below the regulatory standard for benzene and BTEX, but above the 100 ppm TPH standard determined for this site. The sample returned TPH results of 167.4 ppm, with 160 ppm being diesel range. The spill composite sample returned benzene results of non-detect, and total BTEX results of 0.125 ppm. The 160 ppm diesel range organics are most likely caused by coal fines in the produced water. Due to the lack of BTEX range constituents, and a depth to groundwater near 50 feet, XTO does not believe that the TPH levels present at this site pose a threat to human health or the environment. XTO proposes no further action in regards to 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.

Signature:

Printed Name: James McDaniel, CHMM #15676

Title: EH&S Supervisor

E-mail Address: James\_McDaniel@xtoenergy.com

Date: 8/8/2011

Phone: 505-333-3701

**OIL CONSERVATION DIVISION**

Approved by District Supervisor:

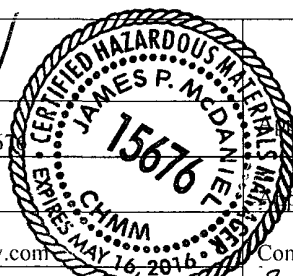
Approval Date: 8-17-11

Expiration Date:

Conditions of Approval:

Rake soil to Allow for natural  
remediation

Attached ☐



NJK1123154575



12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I D 62-0814289

Est 1970

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

### Report Summary

Thursday July 28, 2011

Report Number: L527755

Samples Received: 07/26/11

Client Project:

Description: Davis Gas COM F 1R

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487  
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140  
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,  
TX - T104704245, OK-9915

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

Note The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures 060302, 060303, and 060304.



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REPORT OF ANALYSIS

July 28, 2011

James McDaniel  
XTO Energy - San Juan Division  
382 Road 3100  
Aztec, NM 87410

ESC Sample # : L527755-01

Date Received : July 26, 2011  
Description : Davis Gas COM F 1R

Site ID : DAVIS GAS COM F 1R

Sample ID : SPILL COMPOSITE SURFACE 2

Project # :

Collected By : Brad Griffith  
Collection Date : 07/25/11 09:07

| Parameter                    | Dry Result | Det. Limit | Units  | Method    | Date     | Dil. |
|------------------------------|------------|------------|--------|-----------|----------|------|
| Total Solids                 | 90.        |            | %      | 2540G     | 07/28/11 | 1    |
| Benzene                      | BDL        | 0.0028     | mg/kg  | 8021/8015 | 07/27/11 | 5    |
| Toluene                      | BDL        | 0.028      | mg/kg  | 8021/8015 | 07/27/11 | 5    |
| Ethylbenzene                 | 0.0052     | 0.0028     | mg/kg  | 8021/8015 | 07/27/11 | 5    |
| Total Xylene                 | 0.12       | 0.0084     | mg/kg  | 8021/8015 | 07/27/11 | 5    |
| TPH (GC/FID) Low Fraction    | 4 7        | 0.56       | mg/kg  | GRO       | 07/27/11 | 5    |
| Surrogate Recovery-%         |            |            |        |           |          |      |
| a,a,a-Trifluorotoluene (FID) | 101.       |            | % Rec. | 8021/8015 | 07/27/11 | 5    |
| a,a,a-Trifluorotoluene (PID) | 100.       |            | % Rec. | 8021/8015 | 07/27/11 | 5    |
| TPH (GC/FID) High Fraction   | 160        | 4.4        | mg/kg  | 3546/DRO  | 07/27/11 | 1    |
| Surrogate recovery(%)        |            |            |        |           |          |      |
| o-Terphenyl                  | 76.0       |            | % Rec. | 3546/DRO  | 07/27/11 | 1    |

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

Note:

This report shall not be reproduced, except in full, without the written approval from ESC.

The reported analytical results relate only to the sample submitted

Reported: 07/28/11 15:04 Printed: 07/28/11 15:04

Summary of Remarks For Samples Printed  
07/28/11 at 15:04:21

TSR Signing Reports: 288  
R3 - Rush: Two Day

drywt

Sample: L527755-01 Account: XTORNM Received: 07/26/11 09:00 Due Date: 07/28/11 00:00 RPT Date: 07/28/11 15:04



YOUR LAB OF CHOICE

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Quality Assurance Report  
Level II

L527755

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| Analyte                      | Result  | Laboratory Blank |       | Limit  | Batch    | Date Analyzed  |
|------------------------------|---------|------------------|-------|--------|----------|----------------|
|                              |         | Units            | % Rec |        |          |                |
| Benzene                      | < .0005 | mg/kg            |       |        | WG547505 | 07/27/11 07:35 |
| Ethylbenzene                 | < .0005 | mg/kg            |       |        | WG547505 | 07/27/11 07:35 |
| Toluene                      | < .005  | mg/kg            |       |        | WG547505 | 07/27/11 07:35 |
| Total Xylene                 | < .0015 | mg/kg            |       |        | WG547505 | 07/27/11 07:35 |
| a,a,a-Trifluorotoluene (FID) |         | % Rec.           | 102.6 | 59-128 | WG547505 | 07/27/11 07:35 |
| a,a,a-Trifluorotoluene (FID) |         | % Rec.           | 100.9 | 54-144 | WG547505 | 07/27/11 07:35 |
| TPH (GC/FID) Low Fraction    | < 1     | mg/kg            |       |        | WG547672 | 07/27/11 18:19 |
| a,a,a-Trifluorotoluene (FID) |         | % Rec.           | 103.4 | 59-128 | WG547672 | 07/27/11 18:19 |
| TPH (GC/FID) High Fraction   | < 4     | ppm              |       |        | WG547531 | 07/27/11 18:59 |
| o-Terphenyl                  |         | % Rec.           | 86.15 | 50-150 | WG547531 | 07/27/11 18:59 |
| Total Solids                 | < 1     | %                |       |        | WG547467 | 07/28/11 11:42 |

| Analyte      | Units | Result | Duplicate |      | Limit | Ref Samp   | Batch    |
|--------------|-------|--------|-----------|------|-------|------------|----------|
|              |       |        | Duplicate | RPD  |       |            |          |
| Total Solids | %     | 80.0   | 78.8      | 1.42 | 5     | L527766-04 | WG547467 |

| Analyte                      | Units | Laboratory Control Sample |        | % Rec | Limit  | Batch    |
|------------------------------|-------|---------------------------|--------|-------|--------|----------|
|                              |       | Known Val                 | Result |       |        |          |
| Benzene                      | mg/kg | .05                       | 0.0495 | 99.0  | 76-113 | WG547505 |
| Ethylbenzene                 | mg/kg | .05                       | 0.0518 | 104   | 78-115 | WG547505 |
| Toluene                      | mg/kg | .05                       | 0.0519 | 104   | 76-114 | WG547505 |
| Total Xylene                 | mg/kg | .15                       | 0.153  | 102   | 81-118 | WG547505 |
| a,a,a-Trifluorotoluene (PID) |       |                           |        | 99.19 | 54-144 | WG547505 |
| TPH (GC/FID) Low Fraction    | mg/kg | 5.5                       | 5.78   | 105   | 67-135 | WG547672 |
| a,a,a-Trifluorotoluene (FID) |       |                           |        | 110.5 | 59-128 | WG547672 |
| TPH (GC/FID) High Fraction   | ppm   | .60                       | 52.4   | 87.3  | 50-150 | WG547531 |
| o-Terphenyl                  |       |                           |        | 75.71 | 50-150 | WG547531 |
| Total Solids                 | %     | 50                        | 50.0   | 100   | 85-155 | WG547467 |

| Analyte                      | Units | Laboratory Control Sample Duplicate |        | Limit | RPD    | Limit | Batch    |
|------------------------------|-------|-------------------------------------|--------|-------|--------|-------|----------|
|                              |       | Result                              | Ref    |       |        |       |          |
| Benzene                      | mg/kg | 0.0515                              | 0.0495 | 103   | 76-113 | 4.00  | WG547505 |
| Ethylbenzene                 | mg/kg | 0.0534                              | 0.0518 | 107   | 78-115 | 3.02  | WG547505 |
| Toluene                      | mg/kg | 0.0533                              | 0.0519 | 106   | 76-114 | 2.71  | WG547505 |
| Total Xylene                 | mg/kg | 0.157                               | 0.153  | 104   | 81-118 | 2.65  | WG547505 |
| a,a,a-Trifluorotoluene (PID) |       |                                     |        | 99.60 | 54-144 |       | WG547505 |
| TPH (GC/FID) Low Fraction    | mg/kg | 5.62                                | 5.78   | 102   | 67-135 | 2.85  | WG547672 |
| a,a,a-Trifluorotoluene (FID) |       |                                     |        | 110.4 | 59-128 |       | WG547672 |
| TPH (GC/FID) High Fraction   | ppm   | 49.6                                | 52.4   | 83.0  | 50-150 | 5.43  | WG547531 |
| o-Terphenyl                  |       |                                     |        | 69.61 | 50-150 |       | WG547531 |

\* Performance of this Analyte is outside of established criteria  
For additional information, please see Attachment A "List of Analytes with QC Qualifiers."



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| Analyte                      | Units | MS Res | Matrix Spike |     | TV    | % Rec  | Limit      | Ref Samp | Batch |
|------------------------------|-------|--------|--------------|-----|-------|--------|------------|----------|-------|
|                              |       |        | Ref          | Res |       |        |            |          |       |
| Benzene                      | mg/kg | 1.99   | 0.0290       | .05 | 92.2  | 32-137 | L527502-12 | WG547505 |       |
| Ethylbenzene                 | mg/kg | 2.16   | 0.112        | .05 | 96.2  | 10-150 | L527502-12 | WG547505 |       |
| Toluene                      | mg/kg | 2.07   | 0            | .05 | 97.5  | 20-142 | L527502-12 | WG547505 |       |
| Total Xylene                 | mg/kg | 6.25   | 0.146        | .15 | 95.7  | 16-141 | L527502-12 | WG547505 |       |
| a,a,a-Trifluorotoluene (PID) |       |        |              |     | 97.72 | 54-144 |            | WG547505 |       |
| TPH (GC/FID) Low Fraction    | mg/kg | 303.   | 0.837        | 5.5 | 108   | 55-109 | L527647-06 | WG547672 |       |
| a,a,a-Trifluorotoluene (FID) |       |        |              |     | 111.0 | 59-128 |            | WG547672 |       |
| TPH (GC/FID) High Fraction   | ppm   | 49.9   | 0            | 60  | 83.1  | 50-150 | L527450-04 | WG547531 |       |
| o-Terphenyl                  |       |        |              |     | 72.76 | 50-150 |            | WG547531 |       |

| Analyte                      | Units | MSD  | Matrix Spike |       | Duplicate<br>%Rec | Limit | RPD | Limit      | Ref Samp | Batch |
|------------------------------|-------|------|--------------|-------|-------------------|-------|-----|------------|----------|-------|
|                              |       |      | Ref          |       |                   |       |     |            |          |       |
| Benzene                      | mg/kg | 2.05 | 1.99         | 95.3  | 32-137            | 3.26  | 39  | L527502-12 | WG547505 |       |
| Ethylbenzene                 | mg/kg | 2.27 | 2.16         | 101.  | 10-150            | 4.98  | 44  | L527502-12 | WG547505 |       |
| Toluene                      | mg/kg | 2.16 | 2.07         | 102   | 20-142            | 4.35  | 42  | L527502-12 | WG547505 |       |
| Total Xylene                 | mg/kg | 6.56 | 6.25         | 101.  | 16-141            | 4.94  | 46  | L527502-12 | WG547505 |       |
| a,a,a-Trifluorotoluene (PID) |       |      |              | 97.99 | 54-144            |       |     |            | WG547505 |       |
| TPH (GC/FID) Low Fraction    | mg/kg | 309. | 303.         | 110.* | 55-109            | 2.00  | 20  | L527647-06 | WG547672 |       |
| a,a,a-Trifluorotoluene (FID) |       |      |              | 111.5 | 59-128            |       |     |            | WG547672 |       |
| TPH (GC/FID) High Fraction   | ppm   | 46.7 | 49.9         | 77.8  | 50-150            | 6.55  | 25  | L527450-04 | WG547531 |       |
| o-Terphenyl                  |       |      |              | 65.64 | 50-150            |       |     |            | WG547531 |       |

Batch number / Run number / Sample number cross reference

WG547505 R1788070 L527755-01  
WG547672 R1788510 L527755-01  
WG547531 R1788532 L527755-01  
WG547467 R1789532 L527755-01

\* \* Calculations are performed prior to rounding of reported values  
\* Performance of this Analyte is outside of established criteria  
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Chain of Custody  
Page \_\_\_ of \_\_\_

NCF: