

# **Hudson Battery**

## **CLOSURE REQUEST**

API No. 30-015-21052

Release Date: October 3, 2016

Unit Letter F, Section 1, Township 23 South, Range 30 East

NMOCD Case #: 2R-3956

### November 29, 2017

#### Prepared by:

Michael Alves
Diversified Field Service, Inc.
206 W. Snyder
Hobbs, NM 88240

Phone: (575)964-8394 Fax: (575)393-8396 XTO ENERGY 11/29/2017

Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210 575-748-1283

RE: XTO – Hudson Battery Closure Request

UL/F, Section 1, T23S, R30E API No. 30-015-21052

NMOCD Case #: 2R-3956

NMOCD Score: 0

Mr. Bratcher,

XTO Energy (XTO) has retained Diversified Environmental (DFSI) to address environmental issues for the site detailed herein.

The site is located Northwest of Loving, NM, in Eddy County. The spill site resulted from a ruptured gasket, releasing a total of approximately 9 barrels of oil with 3 barrels recovered and 24 barrels of produced water with 12 barrels recovered. An initial C-141 was submitted to NMOCD on October 21, 2016 and approved on October 24, 2016 (Appendix I).

DFSI has conducted a groundwater study of the area and has determined, according to the New Mexico Office of the State Engineer, the average depth to groundwater beneath this site is approximately 105 ft (Appendix II).

#### Site Assessment and Delineation

March 21, 2017 DFSI personnel were on site to obtain samples at regular intervals within the release area (Figure 1). Six samples were obtained and field tested for chloride levels, as well as BTEX (Appendix II). The samples were screened using a Mini Rae Photoionization Detector (PID). Clean field samples were submitted for laboratory analysis at Cardinal Laboratory of Hobbs, NM to obtain confirmation (Appendix III).

On August 18, 2017, NMOCD approved the referenced work plan, following approval by regulatory agencies. DFSI began remediation activities on September 13, 2017. The

XTO ENERGY 11/29/2017

release area within the battery was excavated to a depth of 1' bgs (Appendix IV) with excavated soil being properly disposed of at approved NMOCD facility. Excavation was backfilled with clean, imported caliche and topped with pea gravel to ground surface. Pasture release area was seeded with a blend of native vegetation (Appendix V) and tilled utilizing rakes due to underground pipelines.

#### Conclusion

Due to the completion of approved corrective remediation work, DFSI, on behalf of XTO Energy, submits the final C-141 (Appendix VI) and respectfully requests the closure or deferment of the regulatory file for this site.

Please feel free to contact us with any questions concerning this remediation plan request.

Sincerely,

Michael Alves

Medal Slex

Environmental Supervisor | Diversified Field Service, Inc.

206 West Snyder | Hobbs, NM 88240

Office: (575)964-8394 | Mobile: (575)631-3364

Fax: (575)964-8396 | Email: malves@diversifiedfsi.com

Cc: Shelly Tucker, BLM; Amy Ruth, XTO

Appendix I Initial C-141

Appendix II Groundwater Study
Appendix III Laboratory Analysis

Appendix IV Site Photos

Appendix V Seed Documentation

Appendix VI Final C-141

# Appendix I

INITIAL C-141

#### NM OIL CONSERVATION

ARTESIA DISTRICT

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

1220 S. St. Francis Dr., Santa Fe, NM 87505

District IV

State of New Mexico Energy Minerals and Natural Resources

OCT 2 1 2016

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in RECEIVED accordance with 19.15.29 NMAC.

Release Notification and Corrective Action NABIU29852573 Initial Report **Final Report** Name of Company: BOPCO, L.P. Contact: Amy Ruth Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220 Telephone No. 575-887-7329 Facility Name: Hudson Federal Battery #1 (at Hudson Federal Facility Type: Exploration and Production well #7) Surface Owner: Federal API No. 30-015-31513 Mineral Owner: Federal LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County F 23S 30E 2000 North 1875 West Eddy 32.335761° Longitude\_ -103.836860° Latitude NATURE OF RELEASE Volume of Release 9 bbls Oil Volume Recovered 3 bbls Oil Type of Release Crude oil and produced water 24 bbls PW 12 bbls PW Date and Hour of Discovery Source of Release Ruptured Gasket Date and Hour of Occurrence 10/3/2016 time unknown 10/3/2016 approx. 10 am Was Immediate Notice Given? If YES, To Whom? Mike Bratcher and Heather Patterson Date and Hour 10/3/2016 4:46 pm by email By Whom? Amy Ruth Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No N/A If a Watercourse was Impacted, Describe Fully.\* N/A Describe Cause of Problem and Remedial Action Taken.\* Release of fluids was the result of a ruptured gasket on a gas supply pot. The vessel was isolated for repairs. Describe Area Affected and Cleanup Action Taken,\* Leak affected approximately 5,000 square feet of misted pasture area west of the battery and 3670 square feet of caliche pad and earthen containment. Free standing fluids within the earthen containment were recovered via vacuum truck and Micro-Blaze was applied to the pasture area. 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 Signatury Approved by Environmental Specialist: Printed Name: C. Ruth Am **Expiration Date:** Title: EHS Remediation Specialist Approval Date Remediation per O.C.D. Rules & Guidentes G E-mail Address: ACRuth@basspet.com SUBMIT REMEDIATION PROPOSAL NO Date: 10/21/2016 Phone: 432-661-0571 LATER THAN: Attach Additional Sheets If Necessary

# Appendix II

**GROUNDWATER STUDY** 



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

DOD

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

|                 |      | Sub-  |        | Q  | Q  | Q |     |     |     |        |          |                       | W        | ater |
|-----------------|------|-------|--------|----|----|---|-----|-----|-----|--------|----------|-----------------------|----------|------|
| POD Number      | Code | basin | County | 64 | 16 | 4 | Sec | Tws | Rng | X      | Y        | <b>DepthWellDepth</b> | Water Co | lumn |
| <u>C 03139</u>  |      |       | ED     | 4  | 2  | 4 | 01  | 23S | 30E | 610424 | 3577764* | 425                   |          |      |
| C 03222 EXPLORE |      |       | ED     | 1  | 1  | 4 | 12  | 23S | 30E | 609833 | 3576349* | 365                   |          |      |
| C 03559 POD1    |      | CUB   | ED     | 4  | 3  | 2 | 01  | 23S | 30E | 609928 | 3578260  | 50                    | 0        | 50   |
| C 03559 POD2    |      | CUB   | ED     | 4  | 3  | 2 | 01  | 23S | 30E | 609928 | 3578260  | 25                    | 0        | 25   |
| C 03559 POD3    |      | CUB   | ED     | 4  | 3  | 2 | 01  | 23S | 30E | 609928 | 3578260  | 20                    | 0        | 20   |
| C 03559 POD4    |      | CUB   | ED     | 4  | 3  | 2 | 01  | 23S | 30E | 609928 | 3578260  | 25                    | 0        | 25   |
| C 03559 POD5    |      | CUB   | ED     | 4  | 3  | 2 | 01  | 23S | 30E | 609912 | 3578236  | 50                    |          |      |

Average Depth to Water: 0 feet

> Minimum Depth: 0 feet

> Maximum Depth: 0 feet

Record Count: 7

PLSS Search:

**Section(s):** 1, 2, 11, 12 Township: 23S Range: 30E

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/21/17 9:24 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



## New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

DOD

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| DOD W          | G 1  | Sub-  | • •    | • | • | Q |    | ØD. | ъ   | <b>X</b> 7 | ***      | D 41W 11D 41W 4            | Water    |
|----------------|------|-------|--------|---|---|---|----|-----|-----|------------|----------|----------------------------|----------|
| POD Number     | Code | basin | County |   |   |   |    |     |     |            |          | <b>DepthWellDepthWater</b> | r Column |
| <u>C 02492</u> |      |       | ED     | 4 | 4 | 4 | 06 | 23S | 31E | 612056     | 3577320* | 135 8:                     | 5 50     |
| C 02492 POD2   |      | C     | ED     | 3 | 2 | 2 | 07 | 23S | 31E | 611767     | 3576996  | 400 12.                    | 5 275    |
| <u>C 02865</u> |      |       | ED     | 4 | 4 | 4 | 06 | 23S | 31E | 612056     | 3577320* | 174                        |          |
| C 03520 POD1   |      | C     | ED     | 3 | 1 | 1 | 07 | 23S | 31E | 610733     | 3576905  | 500                        |          |

Average Depth to Water:

105 feet

Minimum Depth:

85 feet

Maximum Depth:

125 feet

Record Count: 4

PLSS Search:

Section(s): 6, 7

Township: 23S

Range: 31E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/21/17 9:25 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

<sup>\*</sup>UTM location was derived from PLSS - see Help



## New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

|                |        | POD<br>Sub- |        | Q  | Q  | Q |     |     |     |        |           |                       | ,       | Water |
|----------------|--------|-------------|--------|----|----|---|-----|-----|-----|--------|-----------|-----------------------|---------|-------|
| POD Number     | Code 1 | basin       | County | 64 | 16 | 4 | Sec | Tws | Rng | X      | Y         | <b>DepthWellDepth</b> | Water C | olumn |
| <u>C 02638</u> |        |             | ED     | 4  | 3  | 3 | 35  | 22S | 30E | 607558 | 3578948*  | 528                   |         |       |
| C 03561 POD1   |        | CUB         | ED     | 3  | 2  | 3 | 36  | 22S | 30E | 609288 | 3579393 🌑 | 30                    | 0       | 30    |
| C 03561 POD2   |        | CUB         | ED     | 3  | 2  | 3 | 36  | 22S | 30E | 609314 | 3579424   | 25                    | 0       | 25    |
| C 03561 POD3   |        | CUB         | ED     | 3  | 2  | 3 | 36  | 22S | 30E | 609393 | 3579425   | 25                    | 0       | 25    |
| C 03561 POD4   |        | CUB         | ED     | 3  | 2  | 3 | 36  | 22S | 30E | 609419 | 3579425   | 25                    | 0       | 25    |
| C 03561 POD5   |        | CUB         | ED     | 3  | 2  | 3 | 36  | 22S | 30E | 609419 | 3579425   | 20                    | 0       | 20    |

Average Depth to Water: 0 feet

> Minimum Depth: Maximum Depth: 0 feet

Record Count: 6

PLSS Search:

**Section(s):** 35, 36 Township: 22S Range: 30E

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/21/17 9:25 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

0 feet



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

PLSS Search:

Section(s): 31 Township: 22S Range: 31E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/21/17 9:25 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# Appendix III

**LABORATORY ANALYSES** 



June 20, 2017

MICHAEL ALVES

DIVERSIFIED FIELD SERVICES, INC.

P. O. BOX 5966

HOBBS, NM 88241

RE: HUDSON TANK BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/19/17 8:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celey D. Keine

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

Lab Director/Quality Manager



#### Analytical Results For:

DIVERSIFIED FIELD SERVICES, INC. MICHAEL ALVES P. O. BOX 5966 HOBBS NM, 88241

Fau Tay (575) 202

Fax To: (575) 393-2981

Received: 06/19/2017 Sampling Date: 06/16/2017

Reported: 06/20/2017 Sampling Type: Soil

Project Name: HUDSON TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: EDDY CO NM

#### Sample ID: SP 2 @ 13' (H701575-01)

| BTEX 8021B                           | mg/     | kg              | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 06/19/2017 | ND           | 1.98 | 99.2       | 2.00          | 0.678 |           |
| Toluene*                             | < 0.050 | 0.050           | 06/19/2017 | ND           | 1.88 | 93.9       | 2.00          | 2.14  |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 06/19/2017 | ND           | 1.98 | 98.8       | 2.00          | 0.672 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 06/19/2017 | ND           | 5.31 | 88.4       | 6.00          | 0.551 |           |
| Total BTEX                           | <0.300  | 0.300           | 06/19/2017 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.5 9  | % 72-148        | ,          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/kg   |                 | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0   | 16.0            | 06/19/2017 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg/     | kg              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 06/19/2017 | ND           | 187  | 93.7       | 200           | 3.52  |           |
| DRO >C10-C28                         | <10.0   | 10.0            | 06/19/2017 | ND           | 192  | 96.2       | 200           | 3.54  |           |
| Surrogate: 1-Chlorooctane            | 57.2 9  | 28.3-16         | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 44.8 9  | % 34.7-15       | 7          |              |      |            |               |       |           |

#### Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

DIVERSIFIED FIELD SERVICES, INC. MICHAEL ALVES

P. O. BOX 5966 HOBBS NM, 88241

Fax To: (575) 393-2981

Received: 06/19/2017 Sampling Date: 06/16/2017

Reported: 06/20/2017 Sampling Type: Soil

Project Name: HUDSON TANK BATTERY Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: EDDY CO NM

#### Sample ID: SP 6 @ 3' (H701575-02)

| BTEX 8021B                           | mg/     | kg              | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | < 0.050 | 0.050           | 06/19/2017 | ND           | 1.98 | 99.2       | 2.00          | 0.678 |           |
| Toluene*                             | <0.050  | 0.050           | 06/19/2017 | ND           | 1.88 | 93.9       | 2.00          | 2.14  |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 06/19/2017 | ND           | 1.98 | 98.8       | 2.00          | 0.672 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 06/19/2017 | ND           | 5.31 | 88.4       | 6.00          | 0.551 |           |
| Total BTEX                           | <0.300  | 0.300           | 06/19/2017 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.8 %  | % 72-148        |            |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/kg   |                 | Analyze    | d By: AC     |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 304     | 16.0            | 06/19/2017 | ND           | 432  | 108        | 400           | 3.64  |           |
| TPH 8015M                            | mg/     | kg              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10                           | <10.0   | 10.0            | 06/19/2017 | ND           | 187  | 93.7       | 200           | 3.52  |           |
| DRO >C10-C28                         | 90.5    | 10.0            | 06/19/2017 | ND           | 192  | 96.2       | 200           | 3.54  |           |
| Surrogate: 1-Chlorooctane            | 68.7 %  | 28.3-16         | 4          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 56.3 %  | % 34.7-15       | 7          |              |      |            |               |       |           |

#### Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



#### **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

Cardinal Laboratories \*=Accredited Analyte

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 whistoever 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 related 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

Pardinal cannot account workel channee Dleace for written channee to IETEI 202.2226



101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

H701575 Company Name: XTO Energy City: Project Manager: AMB Phone #: Sampler Name: N Project Location: Project Name: Project #: Address: Relinguished By PLEASE NOTE: Liability and Damagos Cardin analyses All claims including those for negliger service. In no event shall Curdinal be liable for it Relinquished By FOR LAB USE ONLY Sampler - UPS - Bus - Other: Delivered By: (Circle One) Lab I.D. 83 SPPICE Sample I.D. (575) 393-2326 FAX (575) 393-2476 SP. ZO 13 Fred to the Bates Alver ある。 Fax #: Project Owner: Time: Date: State: 3.2°C Zip: 000 (G)RAB OR (C)OMP Received By: Received By: # CONTAINERS Eddy. Co GROUNDWATER Cool Intact
A Yes A Yes WASTEWATER Sample Condition MATRIX X X SOIL do in writing and received by Cardinal within 30 days after completion of the applicable OIL SLUDGE ons, ioss of use, or loss of profits State: Attn: Anny Ruth Company: KTO ENEMY City: P.O. #: Fax #: Phone #: OTHER Address: PRESERV ACID/BASE X ICE / COOL CHECKED BY: BILL TO (Initials) OTHER Zip: DATE SAMPLING ed by chent, its sub 17 4:39m paid by the chent for the P5:30 REMARKS: Phone Result: TIME Algladden@diversifiedfsi.com E-mail Results To: Apons@diversifiedfsi.com ☐ Yes☐ Yes せ X O No ANALYSIS Add'I Phone #: Add'I Fax #: REQUEST Mourtes @ Malves Odibers Frol Frich

Page 5 of 5

# Appendix IV

**SITE PHOTOS** 

## **HUDSON FEDERAL TANK BATTERY**

#### **PHOTO PAGE**



Site Prior



Site Prior



Site Prior



Utilizing hydro vac to excavate release area



Utilizing hydro vac to excavate release area



Lined spoil area containment



Lined spoil area containment



Impacted area



Excavating area



Impacted area



Excavating area



Excavating area



Excavated to 1' bgs



Importing and exporting



Backfilled area



Loading trucks with contaminated material



Backfilled stock pile



Begin backfilling excavation area



Backfilling completed



Backfilling completed



Site Completed



Backfilling completed



Backfilling completed



Site Completed



Site Completed



Raking pasture area



Seeding pasture area



Seeding pasture area

# Appendix V

**SEEDING DOCUMENTATION** 

#### Received by OCD: 2/28/2四日科校号午包ED BARN

3128 S. EUNICE HWY HOBBS, NM 88240 575-397-1228 Fax: 575-397-1250 www.bunksfeedbarn.com

| Invoice #:   | 569524 pf 2  |
|--|--|
| Invoice Date:  | 9/19/2017  |
| Page:  | 1  |
| Customer #:  | 408  |
| The second secon | Company of the Compan |

| Ship To:   |
|--|
| J & M WELDING (DIVERSIFIED)<br>314 SOUTH LEECH<br>HOBBS, NM 88240<br>USA |

Bill To:

J & M WELDING (DIVERSIFIED)

P. O. BOX 5966

HOBBS, NM 88241

USA

| Phone: 575-397-6437 |              | Cust PO: 8728 seed                    | Term       | Terms: |          |  |  |  |
|---------------------|--------------|---------------------------------------|------------|--------|----------|--|--|--|
| Reference: Hudso    | on Batt #1   | Ship Via:                             | Salesperso | n:     |          |  |  |  |
| Stock Code          | Description  |                                       | Quantity   | Price  | Extended |  |  |  |
| 1338                | BLM #2 GRASS | · · · · · · · · · · · · · · · · · · · | 4.00       | 17.05  | 68,20    |  |  |  |

68.20 SubTotal: Tax: 0.00 0.00 Shipping: 68.20 Total: 0.00 Debit: Credit: 0.00 Cash: 0.00 Check: 0.00 Charge: 0.00 Balance: 68.20

THANK YOU FOR SHOPPING AT BUNK'S FEED BARN

# Appendix VI

**FINAL C-141** 

Form C-141

Revised August 8, 2011

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 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**

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

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

|   |   |                |              | 50                   | anta i (   | c, 141VI 675   | 003                               |                    |                                |                |              |  |  |  |  |
|---|---|----------------|--------------|----------------------|------------|--|-----------------------------------|--------------------|--------------------------------|----------------|--------------|--|--|--|--|
| Release Notification and Corrective Action                |   |                |              |                      |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              |                      |            | OPERA'   | ГOR                               | ☐ In               | tial Report                    | $\boxtimes$    | Final Report |  |  |  |  |
| Name of Co  | mpany: 2  | XTO Energy     | <del></del>  | -                    |            | Contact: An  | ny Ruth                           |                    |                                |                | _            |  |  |  |  |
|   |   |                |              | bad, N.M. 88220      |            |  | No. 575-887-732                   | 29                 |                                |                |              |  |  |  |  |
| Facility Nar  |   |                |              | ,                    |            | Facility Type: Exploration and Production                            |                                   |                    |                                |                |              |  |  |  |  |
| Surface Ow  | ner: Fede   | <br>ral        |              | Mineral C            | Owner:     | Federal  |                                   | API 1              | No. 30-015-2                   | 21052          |              |  |  |  |  |
|   |   | <u>;</u>       |              | *                    |            |  | LEACE                             |                    |                                |                |              |  |  |  |  |
| Unit Letter   | Section   | Township       | Range        | Feet from the        |            | ION OF RELEASE orth/South Line   Feet from   East/West Line   County |                                   |                    |                                |                |              |  |  |  |  |
| F   | 1   | 23S            | 30E          | 2000                 |            | North  | 187                               | West               | Eddy                           |                |              |  |  |  |  |
|   |   | <u> </u>       |              |                      |            |  |                                   |                    |                                |                |              |  |  |  |  |
| <b>Latitude</b> : 32.335761 <b>Longitude:</b> -103.836860 |   |                |              |                      |            |  |                                   |                    |                                |                |              |  |  |  |  |
| NATURE OF RELEASE   |   |                |              |                      |            |  |                                   |                    |                                |                |              |  |  |  |  |
| Type of Rele  | ase: Crude (  | Oil and Produ  | ced Water    | τ                    |            | Volume of  |                                   |                    | e Recovered:                   | DIII           |              |  |  |  |  |
| G GD  | 1 D   | . 1 1          |              |                      |            |  | and 24 bbls PW                    |                    | oil and 12 bbl                 |                |              |  |  |  |  |
| Source of Re  | iease: Kup  | tured gasket   |              |                      |            |  | Hour of Occurrenc<br>Time unknown |                    | d Hour of Dia<br>16 approx. 10 |                | ,            |  |  |  |  |
| Was Immedia   | ate Notice C  | Tiven?         |              |                      |            | If YES, To   |                                   | 10/3/20            | то арргох. то                  | ani            |              |  |  |  |  |
| vvus immedie  | ate riotice c   |                | Yes [        | No Not R             | equired    |  |                                   |                    |                                |                |              |  |  |  |  |
| By Whom?  | Wes Able  |                |              |                      |            | Date and F   | Hour: 10/3/2016 4                 | :46 PM by email    |                                |                |              |  |  |  |  |
| Was a Water   |   | hed?           |              |                      |            |  | olume Impacting t                 |                    |                                |                |              |  |  |  |  |
|   |   |                | Yes 🗵        | ] No                 |            | N/A  |                                   |                    |                                |                |              |  |  |  |  |
| If a Watercou   | If a Watercourse was Impacted, Describe Fully.*       |                |              |                      |            |  |                                   |                    |                                |                |              |  |  |  |  |
| Describe Cau  | Describe Cause of Problem and Remedial Action Taken.* |                |              |                      |            |  |                                   |                    |                                |                |              |  |  |  |  |
| Release of flu  | uids was the  | result of a ru | ptured gas   | sket. The vessel w   | vas isola  | ted for repairs  | S.                                |                    |                                |                |              |  |  |  |  |
| Describe Are  | a Affected a  | and Cleanup A  | Action Ta    | ken.                 |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              |                      |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              | erenced work plan    |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              | battery was exca     |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              | th clean, imported   |            |  |                                   | ground surface.    | Pasture releas                 | se area        | was seeded   |  |  |  |  |
| with a biend  | oi nanve ve   | getation and t | illea uuliiz | zing rakes due to t  | unaergro   | ound pipelines   | S.                                |                    |                                |                |              |  |  |  |  |
| I hereby certi  | fy that the i   | nformation gi  | iven abov    | e is true and comp   | olete to t | he best of my  | knowledge and u                   | inderstand that p  | rsuant to NM                   | IOCD r         | rules and    |  |  |  |  |
|   |   |                |              | nd/or file certain r |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              | ce of a C-141 repo   |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              | y investigate and r  |            |  |                                   |                    |                                |                |              |  |  |  |  |
|   |   |                |              | ptance of a C-141    | report d   | loes not reliev  | e the operator of                 | responsibility for | compliance v                   | with an        | y other      |  |  |  |  |
| federal, state,   | or local lav  | ws and/or regu | mations.     |                      |            |  | OH COM                            | CEDVATIO           | N DIVICI                       | )NI            |              |  |  |  |  |
|   |   |                |              |                      |            |  | OIL CON                           | <u>SERVATIO</u>    | N DIVISIO                      | <u>JN</u>      |              |  |  |  |  |
| Signature:  |   |                |              |                      | [          | Deferral   | of contami                        | nation app         | roved. A                       | clos           | ure          |  |  |  |  |
| Printed Name  | ۵۰  |                |              |                      | - 11       |  | ill need to b                     |                    |                                |                |              |  |  |  |  |
| 1 Timed Ivalie  | ٠.  |                |              |                      |            | -  | ed. Incident                      |                    |                                |                |              |  |  |  |  |
| Title:  |   |                |              |                      | - 11       | -  |                                   |                    |                                |                | sii uiitii   |  |  |  |  |
| E '1 A 1 1  |   |                |              |                      |            | ciosure  | report is red                     | ceived and         | approve                        | a.             |              |  |  |  |  |
| E-mail Addre  | ess:  |                |              |                      |            | Doforrol   | approved b                        | v. Britton         | . ⊔all 2/20                    | 0/201          | )2           |  |  |  |  |
| Date:   | Pl  | hone:          |              |                      |            | Deierrai   | approved b                        | y: Drittany        | Hall ZIZ                       | 0/ <b>ZU 2</b> | ည            |  |  |  |  |

\* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 191354

#### **CONDITIONS**

| Operator:                  | OGRID:   |
|----------------------------|--|
| XTO PERMIAN OPERATING LLC. | 373075   |
| 6401 HOLIDAY HILL ROAD     | Action Number:                                   |
| MIDLAND, TX 79707          | 191354   |
|                            | Action Type:                                     |
|                            | [IM-SD] Incident File Support Doc (ENV) (IM-BNF) |

#### CONDITIONS

| Created | Condition   | Condition |
|---------|---|-----------|
| Ву      |   | Date      |
| bhall   | Deferral of contamination approved. A closure report will need to be submitted after remediation is completed. Incident number will remain open until closure report is received and approved. 2RP-3956 closed. Please refer to incident #NAB1629852573 for all future communication. | 2/28/2023 |