

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

Form C-144  
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.  
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

10031  
Pit, Closed-Loop System, Below-Grade Tank, or  
Proposed Alternative Method Permit or Closure Plan Application

- Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☐ Modification to an existing permit  
☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

**Instructions:** Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: XTO Energy, Inc. OGRID #: 5380  
Address: #382 County Road 3100, Aztec, NM 87410  
Facility or well name: SULLIVAN A 1F  
API Number: 30-045-35372 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr L Section 25 Township 29N Range 11W County: San Juan  
Center of Proposed Design: Latitude 36.69450 Longitude 107.94902 NAD: ☐ 1927 ☒ 1983  
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.  
☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC  
Temporary: ☒ Drilling ☐ Workover  
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A  
☒ Lined ☐ Unlined Liner type: Thickness 20 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☒ String-Reinforced  
Liner Seams: ☒ Welded ☒ Factory ☐ Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L 140 x W 40 x D 8-12

3.  
☒ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC  
Type of Operation: ☐ P&A ☒ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) **To be used during completion operations**  
☐ Drying Pad ☒ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other \_\_\_\_\_  
☐ Lined ☐ Unlined Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_  
OIL CONS. DIV DIST. 3

4.  
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_  
Tank Construction material: \_\_\_\_\_  
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other \_\_\_\_\_  
Liner type: Thickness \_\_\_\_\_ mil ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
APR 21 2014

5.  
☐ **Alternative Method:**  
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.  
**Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)  
☐ Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)  
☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet  
☐ Alternate. Please specify \_\_\_\_\_

7.  
**Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)  
☐ Screen ☐ Netting ☐ Other \_\_\_\_\_  
☐ Monthly inspections (If netting or screening is not physically feasible)

8.  
**Signs:** Subsection C of 19.15.17.11 NMAC  
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  
☒ Signed in compliance with 19.15.3.103 NMAC

9.  
**Administrative Approvals and Exceptions:**  
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  
Please check a box if one or more of the following is requested, if not leave blank:  
☒ Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. Fencing- Hogwire  
☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.  
**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC  
*Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.*

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. ( <i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i> ) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. ( <i>Applies to permanent pits</i> ) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

11.

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC*Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.*

- ☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  
☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC  
☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design)    API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC*Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.*

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  
☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design)    API Number: \_\_\_\_\_

☐ Previously Approved Operating and Maintenance Plan    API Number: \_\_\_\_\_ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC*Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.*

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☐ Climatological Factors Assessment  
☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Quality Control/Quality Assurance Construction and Installation Plan  
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan  
☐ Emergency Response Plan  
☐ Oil Field Waste Stream Characterization  
☐ Monitoring and Inspection Plan  
☐ Erosion Control Plan  
☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

**Proposed Closure:** 19.15.17.13 NMAC*Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.*

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☒ Closed-loop System  
☐ Alternative

Proposed Closure Method: ☐ Waste Excavation and Removal  
☒ Waste Removal (Closed-loop systems only)  
☒ On-site Closure Method (Only for temporary pits and closed-loop systems)  
☒ In-place Burial ☐ On-site Trench Burial  
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

**Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  
☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16. **Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)  
**Instructions:** Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: Envirotech Disposal Facility Permit Number: NM01-0011  
Disposal Facility Name: IEI Disposal Facility Permit Number: NM01-0010B

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?  
☐ Yes (If yes, please provide the information below) ☒ No

*Required for impacted areas which will not be used for future service and operations:*  
☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17. **Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC  
**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

18. **On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC  
☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC  
☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  
☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)  
☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19. **Operator Application Certification:**  
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Malia Villers Title: Permitting Tech.

Signature: Malia Villers Date: 5.7.12

e-mail address: malia\_villers@xtoenergy.com Telephone: (505) 333-3100

20. **OCD Approval:** ☒ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: Donald D. Kelly Approval Date: 5/23/2012

Title: Compliance Officer OCD Permit Number: 7/23/14

21. **Closure Report (required within 60 days of closure completion):** Subsection K of 19, 15, 17, 13 NMAC  
*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

☒ Closure Completion Date: 1-21-2014

22. **Closure Method:**

☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain.

23. **Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**  
*Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.*

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

24. **Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

☒ Proof of Closure Notice (surface owner and division)

☐ Proof of Deed Notice (required for on-site closure)

☒ Plot Plan (for on-site closures and temporary pits)

☐ Confirmation Sampling Analytical Results (if applicable)

☒ Waste Material Sampling Analytical Results (required for on-site closure)

☒ Disposal Facility Name and Permit Number

☒ Soil Backfilling and Cover Installation

☒ Re-vegetation Application Rates and Seeding Technique

☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.694485 Longitude -107.949295 NAD: ☐ 1927 ☒ 1983

25. **Operator Closure Certification:**  
 I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Kurt Hoekstra Title: EHS COORDINATOR

Signature: Kurt Hoekstra Date: 4-17-14

e-mail address: Kurt.Hoekstra@xtoenergy.com Telephone: 505-333-3100

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, Inc.	Contact: Kurt Hoekstra	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100	
Facility Name: Sullivan A # 1F	Facility Type: Basin DK/Otero CH/Armen.Glp	
Surface Owner: Private	Mineral Owner	API No. 30-045-35372

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	25	29N	11W	1703	FSL	889	FWL	San Juan

Latitude: 36.69450 Longitude: -107.94902

**NATURE OF RELEASE**

Type of Release: None	Volume of Release: N/A	Volume Recovered: N/A
Source of Release: None	Date and Hour of Occurrence N/A	Date and Hour of Discovery: N/A
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.	

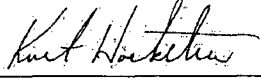
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* The drill pit at the Sullivan A # 1F was closed on January 21<sup>st</sup> 2014. A composite sample was collected from the pit pre-stabilization on November 8<sup>th</sup> 2013, and returned results below the 0.2 ppm benzene standard, the 50 ppm total BTEX standard, the 2500 ppm TPH standard but over the 500 ppm chloride standard at 2600 ppm and the 500 ppm DRO/GRO standard at 1300 ppm. After the contents of the drill pit had been stabilized an additional composite sample was collected on January 13<sup>th</sup> 2014 from the drill pit. The sample was analyzed for chlorides, and DRO/ GRO and returned results below the 500 ppm chloride standard at 64 ppm, and the 500 ppm DRO/GRO standard at 16.5 ppm. The contents of the drill pit were buried in place. No further action is required for this pit. Applicable analytical results are included with this report.

Describe Area Affected and Cleanup Action Taken.\*No release has been occurred at this location.

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 Environmental Specialist:	
Printed Name: Kurt Hoekstra		
Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Kurt.Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4-17-2014 Phone: 505-333-3100		

\* Attach Additional Sheets If Necessary

# **XTO Energy Inc. San Juan Basin Closure Report**

**Lease Name: Sullivan A # 1F**

**API No.: 30-045-35372**

**Description: Unit L, Section 25, Township 29N, Range 11W, San Juan County, NM**

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144.

- Proof of Closure Notice
- Proof of Deed Notice (Not Required)
- Plot Plan
- C-105
- Sampling Results
- Details on Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique
- Site Reclamation Photos (Including Steel Marker)

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycled, reused, or reclaimed in a manner that the Aztec Division office approves.

**Fluids were pulled from the reserve pit on August 16<sup>th</sup>, 2013 thru September 17<sup>th</sup>, 2013 and disposed of at Basin Disposal, NM-01-005.**

2. The preferred method of closure for all temporary pits will be on-site, in-place burial, assuming that all criteria listed in Subsection (B) of 19.15.17.13 are met.

**On-site, in-place burial plan for this location was approved by the Aztec Division office on May 23<sup>rd</sup>, 2013.**

3. The surface owner shall be notified of XTO proposed closure plan using a means that provides proof of notice, i.e., Certified Mail, return receipt requested.

**The surface owner was notified of on-site burial by certified mail return receipt requested, December 9<sup>th</sup>, 2013 (attached), and by email on December 9<sup>th</sup>, 2013 (attached). Email notification was authorized to government agencies by Brandon Powell, NMOCD Aztec Office.**

4. Within 6 months of Rig Off status occurring, XTO will ensure that temporary pits are closed, re-contoured, and reseeded.

**Rig moved off location August 12, 2013. Pit closed January 21<sup>st</sup> 2014. Pit area was reseeded on 4-9-2014**

5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:

- i. Operator's Name
- ii. Well Name and API Number
- iii. Location by Unit Letter, Section, Township, Range

**Notification was sent to the Aztec Office of the OCD on December 9<sup>th</sup> 2013 (attached), Closure activities began on January 10<sup>th</sup> 2014. Closure activities were delayed due to unforeseen construction delays.**

6. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve appropriate solidification. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio shall not exceed parts clean soil to 1 part pit contents.

**Pit contents were mixed with non-waste containing, earthen material in order to achieve**

appropriate solidification. The solidification process was accomplished using a combination of natural drying and mechanically mixing using a dozer and track-hoe. Pit contents were mixed with non-waste, earthen material to a consistency that was deemed safe and stable. The mixing ratio did not exceed 3 parts clean soil to 1 part pit contents.

7. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.  
**Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting liner at mud level and removing all remaining liner. Care was taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner was disposed of at a licensed disposal facility, (San Juan County Landfill).**
8. A five point composite sample will be taken using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e. dig and haul. Disposal facilities to be utilized should this method be required will be Envirotech, Permit No. NM01-0011 or IEI, Permit No. NM01-0010B

**A five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)( 1 )(b). (Sample results attached).**

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.0032 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.0482 mg/kg
TPH	EPA SW-846 418.1	2500	2170 mg/kg
GRO/DRO	EPA SW-846 8015M	500	1300 mg/kg
Chlorides	EPA 300.1	500 or background	2600 mg/kg
GRO/DRO1-13-14	EPA 8015D/GRO 3546/DRO	500	16.5 mg/kg
Chlorides 1-13-14	EPA 9056	500 or background	64 mg/kg

9. Upon completion of solidification and testing, the pit area will be backfilled with compacted, non-waste containing earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.  
**Upon completion of solidification and testing, the pit area was backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover was achieved and the cover included one foot of background topsoil suitable for establishing vegetation at the site or natural levels, whichever was greater. Backfill and cover were placed to match existing grade.**
10. Re-contouring of the location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, ponding prevention, and erosion prevention. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with a smooth surface, fitting the natural landscape.  
**Re-contouring of location matches fit, shape, line, form and texture of the surrounding area. Re-shaping of the location included drainage control, ponding prevention, and erosion prevention. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final re-contour has a uniform appearance with smooth surface, fitting the natural landscape, see photos.**
11. Notification will be sent to OCD when the reclaimed area is seeded.  
**A C-103 is attached to this report. The site has been re-seeded using the BLM +10 seed mixture on April 9<sup>th</sup> 2014.**



12. XTO shall seed the disturbed areas the first growing season after the pit is closed. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM of Forest Service stipulated seed mixes will be used on Federal Lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

**Notification via C-103 will be sent to OCD when the reclaimed area successfully achieves re-vegetation for two successive growing seasons. C-103 is attached as well.**

13. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the on-site burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time all wells on the pad are abandoned. The operator's information will include the following: Operator's Name, Lease Name, Well Name and Number, Unit Number, Section, Township, Range and an indicator that the marker is an on-site burial location.

**The temporary pit was located with a steel marker cemented in a hole three feet deep in the center of the onsite burial. The marker includes the operator's information. The marker was set in a way to not impede reclamation activities. The operator's information includes the following: XTO Energy Inc., Sullivan A # 1F, Unit L, Sec 25, Township 29N, Range 11W, San Juan Co, NM "In Place Burial".**

14. XTO shall file a deed notice identifying the exact location of the on-site burial with the county clerk in the county where the on-site burial occurs.

**Not required on state, federal, or tribal land according to FAQ dated October 30, 2008 and posted on the OCD website.**

15. This closure report is being submitted after the 60 day deadline required by the 'Pit Rule' due to a delay of final reclamation of this well site.

7012 1010 0002 9433 4100

**U.S. Postal Service™**  
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BLOOMFIELD NM 87413

Postage	\$	\$0.46	<div style="border: 2px solid black; border-radius: 50%; padding: 10px; margin: 0 auto; width: 150px; height: 150px;"> 0410  DEC - 9 - 2013  Postmark  Here  12/09/2013 </div>
Certified Fee	\$	\$3.10	
Return Receipt Fee <small>(Endorsement Required)</small>		\$2.55	
Restricted Delivery Fee <small>(Endorsement Required)</small>		\$0.00	
<b>Total Postage &amp; Fees</b>	<b>\$</b>	<b>\$6.11</b>	

Sent To  
Nicholas + Lalwana Ashcroft  
Street, Apt. No.,  
or PO Box No. 229 Road 4990  
City, State, ZIP+4  
Bloomfield, NM 87413 KH  
PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<div style="border-bottom: 1px solid black; margin-bottom: 5px;"> A. Signature  <div style="display: flex; justify-content: space-between;"> <div><i>Lalwana Ashcroft</i></div> <div> <input type="checkbox"/> Agent  <input checked="" type="checkbox"/> Addressee </div> </div> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 5px;"> <div style="width: 60%;"> B. Received by (Printed Name)  <i>Lalwana Ashcroft</i> </div> <div style="width: 35%;"> C. Date of Delivery  12-12-13 </div> </div> <div style="border-bottom: 1px solid black;"> D. Is delivery address different from item 1? <input type="checkbox"/> Yes  If YES, enter delivery address below: <input checked="" type="checkbox"/> No </div>
1. Article Addressed to: Nicholas + Lalwana Ashcroft 229 Road 4990 Bloomfield, NM 87413	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D. 4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
2. Article Number <small>(Transfer from service label)</small> 7012 1010 0002 9433 4100	

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

December 9, 2013

Nicholas & LaWanna Ashcroft  
229 Road 4990  
Bloomfield, NM 87403

Regarding: Sullivan A # 1F - API #30-045-35372  
Unit L, Section 25, Township 29N, Range 11W, San Juan County, NM

Dear Sir or Madam,

Pursuant to NMAC Rule 19.15.17.13 requiring operators to notify surface owners of on site burial of temporary pits, XTO Energy Inc. (XTO) is hereby providing written documentation of closure of the temporary pit associated with the aforementioned location by means of in place on site burial. This temporary pit was closed in accordance to NMAC Rule 19.15.17.13.

Should you require any further information feel free to contact me at (505) 333-3100

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Kurt Hoekstra", with a stylized, flowing script.

Kurt Hoekstra  
EH&S Coordinator  
XTO Energy Inc.  
Western Division  
Kurt\_Hoekstra@xtoenergy.com

## Hoekstra, Kurt

---

**From:** Hoekstra, Kurt  
**Sent:** Monday, December 09, 2013 9:18 AM  
**To:** Brandon Powell (brandon.powell@state.nm.us)  
**Subject:** Sullivan A # 1F temporary pit closure

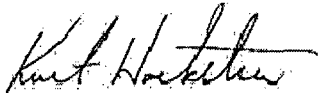
Regarding: Sullivan A # 1F - API #30-045-35372  
Unit L, Section 25, Township 29N, Range 11W, San Juan County, NM

Brandon,

Pursuant to NMAC Rule 19.15.17.13 requiring operators to notify surface owners of on site burial of temporary pits, XTO Energy Inc. (XTO) is hereby providing written documentation of closure of the temporary pit associated with the aforementioned location by means of in place on site burial. This temporary pit was closed in accordance to NMAC Rule 19.15.17.13.

Should you require any further information feel free to contact me at (505) 333-3100

Respectfully submitted,



Kurt Hoekstra  
EHS Coordinator  
XTO Energy  
505-333-3202 Office  
505-486-9543 Cell  
[Kurt\\_Hoekstra@xtoenergy.com](mailto:Kurt_Hoekstra@xtoenergy.com)



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

Tax I.D. 62-0814289

Est. 1970

Kurt Hoekstra  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

### Report Summary

Friday November 15, 2013

Report Number: L667808

Samples Received: 11/09/13

Client Project:

Description: Sullivan A #1F

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

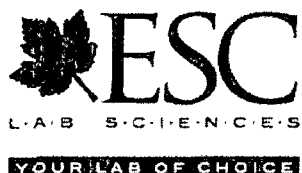
### Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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.

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# REPORT OF ANALYSIS

November 15, 2013

Kurt Hoekstra  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

Date Received : November 09, 2013  
Description : Sullivan A #1F  
Sample ID : FARKH-110813-1030  
Collected By :  
Collection Date : 11/08/13 10:30

ESC Sample # : L667808-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	2600	65.	mg/kg	9056	11/12/13	5
Total Solids	76.7	0.100	%	2540 G-2011	11/14/13	1
Benzene	BDL	0.0032	mg/kg	8021/8015	11/10/13	5
Toluene	BDL	0.032	mg/kg	8021/8015	11/10/13	5
Ethylbenzene	BDL	0.0032	mg/kg	8021/8015	11/10/13	5
Total Xylene	BDL	0.0098	mg/kg	8021/8015	11/10/13	5
TPH (GC/FID) Low Fraction	BDL	0.65	mg/kg	GRO	11/10/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	97.7		% Rec.	8021/8015	11/10/13	5
a,a,a-Trifluorotoluene(PID)	99.6		% Rec.	8021/8015	11/10/13	5
TPH (GC/FID) High Fraction	1300	52.	mg/kg	3546/DRO	11/15/13	10
Surrogate recovery(%)						
o-Terphenyl	482.		% Rec.	3546/DRO	11/15/13	10

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 11/15/13 11:44 Printed: 11/15/13 11:44

L667808-01 (DRO) - Surrogate failure due to matrix; confirmed by MS/D

Attachment A  
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L667808-01	WG691671	SAMP	Total Xylene	R2851560	J6
	WG691811	SAMP	TPH (GC/FID) High Fraction	R2854820	V
	WG691811	SAMP	o-Terphenyl	R2854820	J1

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
V	(ESC) - Additional QC Info: The sample concentration is too high to evaluate accurate spike recoveries.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.



Summary of Remarks For Samples Printed  
11/15/13 at 11:44:44

TSR Signing Reports: 288  
R5 - Desired TAT

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James,  
Kurt and Logan all reports

Sample: L667808-01 Account: XTORNM Received: 11/09/13 09:00 Due Date: 11/15/13 00:00 RPT Date: 11/15/13 11:44



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XTO Energy - San Juan Division  
Kurt Hoekstra  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report

Level II

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November 15, 2013

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg			WG691671	11/10/13 00:58
Ethylbenzene	< .0005	mg/kg			WG691671	11/10/13 00:58
Toluene	< .005	mg/kg			WG691671	11/10/13 00:58
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG691671	11/10/13 00:58
Total Xylene	< .0015	mg/kg			WG691671	11/10/13 00:58
a,a,a-Trifluorotoluene(FID)		% Rec.	98.90	59-128	WG691671	11/10/13 00:58
a,a,a-Trifluorotoluene(PID)		% Rec.	99.90	54-144	WG691671	11/10/13 00:58
Chloride	< 10	mg/kg			WG691892	11/12/13 16:09
Total Solids	< .1	%			WG692112	11/14/13 10:39
TPH (GC/FID) High Fraction	< 4	mg/kg			WG691811	11/14/13 22:59
o-Terphenyl		% Rec.	75.50	50-150	WG691811	11/14/13 22:59

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	1800	2000	10.5	20	L667808-01	WG691892
Chloride	mg/kg	71.0	61.0	15.2	20	L668125-21	WG691892
Total Solids	%	89.6	90.1	0.453	5	L667806-10	WG692112

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0412	82.3	70-130	WG691671
Ethylbenzene	mg/kg	.05	0.0424	84.8	70-130	WG691671
Toluene	mg/kg	.05	0.0400	80.0	70-130	WG691671
Total Xylene	mg/kg	.15	0.128	85.0	70-130	WG691671
a,a,a-Trifluorotoluene(PID)				98.80	54-144	WG691671
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.17	94.0	63.5-137	WG691671
a,a,a-Trifluorotoluene(FID)				99.00	59-128	WG691671
Chloride	mg/kg	200	185.	92.5	80-120	WG691892
Total Solids	%	50	50.0	100.	85-115	WG692112
TPH (GC/FID) High Fraction	mg/kg	60	39.1	65.2	50-150	WG691811
o-Terphenyl				86.10	50-150	WG691811

Analyte	Units	Laboratory Control Sample Duplicate Result Ref %Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0397 0.0412 79.0	70-130	3.56	20	WG691671
Ethylbenzene	mg/kg	0.0413 0.0424 82.0	70-130	2.65	20	WG691671
Toluene	mg/kg	0.0392 0.0400 78.0	70-130	2.13	20	WG691671
Total Xylene	mg/kg	0.124 0.128 83.0	70-130	2.41	20	WG691671
a,a,a-Trifluorotoluene(PID)				98.70	54-144	WG691671
TPH (GC/FID) Low Fraction	mg/kg	5.25 5.17 95.0	63.5-137	1.45	20	WG691671
a,a,a-Trifluorotoluene(FID)				98.40	59-128	WG691671

\* 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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XTO Energy - San Juan Division  
Kurt Hoekstra  
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Aztec, NM 87410

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November 15, 2013

Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec	%Rec				
Chloride	mg/kg	185.	185.	92.0		80-120	0.0	20	WG691892
TPH (GC/FID) High Fraction	mg/kg	37.7	39.1	63.0		50-150	3.70	20	WG691811
o-Terphenyl				82.00		50-150			WG691811

Analyte	Units	MS Res	Matrix Spike		TV	% Rec	Limit	Ref Samp	Batch
			Ref Res	Ref					
Benzene	mg/kg	0.149	0.0		.05	60.0	49.7-127	L667808-01	WG691671
Ethylbenzene	mg/kg	0.117	0.0		.05	47.0	40.8-141	L667808-01	WG691671
Toluene	mg/kg	0.135	0.00325		.05	53.0	49.8-132	L667808-01	WG691671
Total Xylene	mg/kg	0.355	0.00500		.15	47.0	41.2-140	L667808-01	WG691671
a,a,a-Trifluorotoluene (PID)						97.40	54-144		WG691671
TPH (GC/FID) Low Fraction	mg/kg	13.2	0.0187	5.5	48.0	28.5-138	L667808-01	WG691671	WG691671
a,a,a-Trifluorotoluene (FID)					96.80	59-128			WG691671
Chloride	mg/kg	4870	3900	50	190.*	80-120	L667777-01	WG691892	
TPH (GC/FID) High Fraction	mg/kg	873.	1020	6	0.0*	50-150	L667808-01	WG691811	WG691811
o-Terphenyl					484.0*	50-150			WG691811

Analyte	Units	MSD	Matrix Spike		Duplicate	Limit	RPD	Limit	Ref Samp	Batch
			Ref	Ref	%Rec					
Benzene	mg/kg	0.152	0.149		60.7	49.7-127	1.93	23.5	L667808-01	WG691671
Ethylbenzene	mg/kg	0.112	0.117		44.8	40.8-141	4.19	23.8	L667808-01	WG691671
Toluene	mg/kg	0.130	0.135		50.9	49.8-132	3.30	23.5	L667808-01	WG691671
Total Xylene	mg/kg	0.339	0.355		44.6	41.2-140	4.48	23.7	L667808-01	WG691671
a,a,a-Trifluorotoluene (PID)					98.10	54-144				WG691671
TPH (GC/FID) Low Fraction	mg/kg	13.4	13.2	48.8	28.5-138	1.76	23.6	L667808-01	WG691671	WG691671
a,a,a-Trifluorotoluene (FID)				96.60	59-128					WG691671
Chloride	mg/kg	4470	4870	114.	80-120	8.57	20	L667777-01	WG691892	
TPH (GC/FID) High Fraction	mg/kg	780.	873.	0*	50-150	11.2	20	L667808-01	WG691811	WG691811
o-Terphenyl				498.0*	50-150					WG691811

Batch number /Run number / Sample number cross reference

WG691671: R2851560: L667808-01  
WG691892: R2852882: L667808-01  
WG692112: R2853982: L667808-01  
WG691811: R2854820: L667808-01

\* \* 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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November 15, 2013

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.



## Analytical Report

### Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0413

Samples Received: 11/8/2013 11:10:00AM

Job Number: 98031-0528

Work Order: P311018

Project Name/Location: Sullivan A #1F

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 11/12/13

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 11/12/13 9:36 am

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Sullivan A #1F  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
12-Nov-13 09:37

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Reserve Pit	P311018-01A	Soil	11/08/13	11/08/13	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com  
laboratory@envirotech-inc.com



XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Sullivan A #1F  
Project Number: 98031-0528  
Project Manager: James McDaniel

**Reported:**  
12-Nov-13 09:37

**Reserve Pit**  
**P311018-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								

**Total Petroleum Hydrocarbons by 418.1**

Total Petroleum Hydrocarbons	2170	19.9	mg/kg	1	1346001	11/11/13	11/11/13	EPA 418.1
------------------------------	------	------	-------	---	---------	----------	----------	-----------

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XTO Energy Inc.  
382 CR 3100  
Aztec NM, 87410

Project Name: Sullivan A #1F  
Project Number: 98031-0528  
Project Manager: James McDaniel

Reported:  
12-Nov-13 09:37

### Total Petroleum Hydrocarbons by 418.1 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

#### Batch 1346001 - 418 Freon Extraction

##### Blank (1346001-BLK1)

Prepared & Analyzed: 11-Nov-13

Total Petroleum Hydrocarbons ND 20.0 mg/kg

##### Duplicate (1346001-DUP1)

Source: P311019-01

Prepared & Analyzed: 11-Nov-13

Total Petroleum Hydrocarbons 160 20.0 mg/kg 132 19.0 30

##### Matrix Spike (1346001-MS1)

Source: P311019-01

Prepared & Analyzed: 11-Nov-13

Total Petroleum Hydrocarbons 2250 20.0 mg/kg 2000 132 106 80-120

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laboratory@envirotech-inc.com





XTO Energy Inc.	Project Name:	Sullivan A #1F	<b>Reported:</b> 12-Nov-13 09:37
382 CR 3100	Project Number:	98031-0528	
Aztec NM, 87410	Project Manager:	James McDaniel	

#### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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laboratory@envirotech-inc.com

\* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200



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

Kurt Hoekstra  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

### Report Summary

Monday January 20, 2014

Report Number: L677908

Samples Received: 01/14/14

Client Project: 30-045-35372

Description: Sullivan A 1F

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 - 01157CA, CT - PH-0197,  
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,  
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,  
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,  
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,  
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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

January 20, 2014

Kurt Hoekstra  
XTO Energy - San Juan Division  
382 County Road 3100  
Aztec, NM 87410

ESC Sample # : L677908-01

Date Received : January 14, 2014  
Description : Sullivan A 1F

Site ID :

Sample ID : FARKH-011314-1225

Project # : 30-045-35372

Collected By : Kurt Hoekstra  
Collection Date : 01/13/14 12:25

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	64.	11.	mg/kg	9056	01/16/14	1
Total Solids	88.0	0.100	%	2540 G-2011	01/16/14	1
TPH (GC/FID) Low Fraction	1.5	0.57	mg/kg	8015D/GRO	01/15/14	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene(FID)	99.4		% Rec.	602/8015	01/15/14	5
TPH (GC/FID) High Fraction	15.	4.5	mg/kg	3546/DRO	01/16/14	1
Surrogate recovery(%) o-Terphenyl	97.1		% Rec.	3546/DRO	01/16/14	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: 01/20/14 16:18 Printed: 01/20/14 16:18

Summary of Remarks For Samples Printed  
01/20/14 at 16:18:45

TSR Signing Reports: 288  
R5 - Desired TAT

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James,  
Kurt and Logan all reports

Sample: L677908-01 Account: XTORNM Received: 01/14/14 09:00 Due Date: 01/21/14 00:00 RPT Date: 01/20/14 16:18  
Added Chloride per DR. AV 1/15



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**YOUR LAB OF CHOICE**

XTO Energy - San Juan Division  
Kurt Hoekstra  
382 County Road 3100

Quality Assurance Report  
Level II

Aztec, NM 87410

L677908

January 20, 2014

Analyte	Result	Laboratory Blank Units % Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	< .1	mg/kg % Rec. 102.0	59-128	WG701468	01/15/14 12:36
Total Solids	< .1	%		WG701535	01/16/14 08:46
TPH (GC/FID) High Fraction o-Terphenyl	< 4	mg/kg % Rec. 80.20	50-150	WG701546	01/16/14 11:54
Chloride	< 10	mg/kg		WG701782	01/16/14 19:54

Analyte	Units	Result	Duplicate Duplicate RPD	Limit	Ref Samp	Batch
Total Solids	%	71.4	72.7 1.79	5	L677993-07	WG701535
Chloride	mg/kg	56.0	56.0 0.0	20	L677908-01	WG701782
Chloride	mg/kg	2900	2900 0.0	20	L678307-01	WG701782

Analyte	Units	Laboratory Control Sample Known Val Result	% Rec	Limit	Batch
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	mg/kg	5.5 5.25	95.4 109.0	63.5-137 59-128	WG701468 WG701468
Total Solids	%	50 50.0	100.	85-115	WG701535
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	60 54.3	90.6 89.80	50-150 50-150	WG701546 WG701546
Chloride	mg/kg	200 210.	105.	80-120	WG701782

Analyte	Units	Laboratory Control Sample Duplicate Result Ref %Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	mg/kg	5.03 5.25 92.0 109.0	63.5-137 59-128	4.14	20	WG701468 WG701468
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	52.1 54.3 87.0 85.00	50-150 50-150	4.10	20	WG701546 WG701546
Chloride	mg/kg	210. 210. 105.	80-120	0.0	20	WG701782

Analyte	Units	Matrix Spike MS Res Ref Res TV % Rec	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	mg/kg	26.9 0.182 5.5 97.0 108.0	28.5-138 59-128	L677864-01	WG701468 WG701468
TPH (GC/FID) High Fraction	mg/kg	46.1 0.0 60 77.0	50-150	L678121-14	WG701546

\* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LAB OF CHOICE

XTO Energy - San Juan Division  
Kurt Hoekstra  
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report  
Level II

L677908

12065 Lebanon Rd.  
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Est. 1970

January 20, 2014

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit		Ref Samp	Batch
o-Terphenyl Chloride	mg/kg	631.	130.	500	77.20 100.	50-150 80-120		L678307-02	WG701782

Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	mg/kg	25.0	26.9	90.3 107.0	28.5-138 59-128	7.08	23.6	L677864-01	WG701468 WG701468
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	47.0	46.1	78.3 76.30	50-150 50-150	1.97	20	L678121-14	WG701546 WG701546
Chloride	mg/kg	608.	631.	95.6	80-120	3.71	20	L678307-02	WG701782

Batch number / Run number / Sample number cross reference

WG701468: R2876591: L677908-01  
WG701535: R2876662: L677908-01  
WG701546: R2876887: L677908-01  
WG701782: R2877301: L677908-01

\* \* Calculations are performed prior to rounding of reported values.

\* Performance of this Analyte is outside of established criteria.

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January 20, 2014

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# XTO SUPERVISOR'S TEMPORARY PIT INSPECTION FORM

Well Name: SULLIVAN A 1 F Legals: Sec: 25L Township: 29N Range: 11W

API No.: 30-045-35312 Rig Name #1: AWS 711 From: 8/1/13 To: 8/13/14 Dates: \_\_\_\_\_ Rig Name #2: From: \_\_\_\_\_ To: \_\_\_\_\_

XTO Inspector's Name	Inspection Date	Inspection Time	*Any liner breeches (Y/N)	**Any fluids seeps spills (Y/N)	HC's on top of temp. pit (Y/N)	T.Pit free of misc. S.Waste/Debris(Y/N)	Dischrg. Line Integrity (Y/N)	Fence Integrity (Y/N)	Any Dead (Y/N) Wildlife/Stock	Freeboard Est. (ft)
RC	8/1/13	0700	N	N	N	Y	N	Y	N	15'
RC	8/2/13	1400	N	N	N	Y	N	Y	N	17'
RC	8/3/13	0800	N	N	N	Y	N	Y	N	16'
RC	8/4/13	0600	N	N	N	Y	N	Y	N	15'
RC	8/5/13	1600	N	N	N	Y	N	Y	N	17'
RC	8/6/13	1100	N	N	N	X	N	Y	N	17'
RC	8/7/13	1000	N	N	N	X	N	Y	N	16'
RC	8/8/13	1200	N	N	N	Y	N	Y	N	12'
RC	8/9/13	1300	N	N	N	X	N	Y	N	10'
RC	8/10/13	1700	N	N	N	X	N	Y	N	12'
RC	8/11/13	0930	N	N	N	X	N	Y	N	12'
RC	8/12/13	10:30	N	N	N	Y	N	Y	N	14'
RC	8/13/13	12:00	N	N	N	Y	N	Y	N	10'

Notes: \* Provide Detailed Description: \_\_\_\_\_

SMALL TEAR ON THE ABRON ON SOUTH SIDE OF PIT.

\*\* Provide Detailed Description and Location of any associated fluid seeps/discharges outside pit: \_\_\_\_\_

Misc: \_\_\_\_\_

# TEMPORARY PIT INSPECTION FORM

Page #1

**Well Name:** Sullivan A 1F

**API No.:** 30-045-35372

**Legals:** **Sec:** 25L

**Township:** 29 N

**Range:** 11 W

Lat: 36.69450 N , Long: -107.94902 W

Inspector's	Inspection	Any visible liner	Any fluid seeps/	HC's on top of	Temp. pit free of misc	Discharge line	Fence	Any dead	Freeboard
Name	Date	breeches (Y/N)	spills (Y/N)	temp. pit (Y/N)	solid waste/ debris (Y/N)	integrity (Y/N)	integrity (Y/N)	wildlife/stock (Y/N)	Est. (ft)
Luke McCollum	8/9/2013	N	N	N	Y	N/A	Y	N	8
Luke McCollum	8/16/2013	N	N	N	Y	N/A	Y	N	10+/-
Luke McCollum	8/23/2013	N	N	N	Y	N/A	Y	N	10+/-
Brent Beaty	8/30/2013	N	N	N	Y	N/A	Y	N	10+/-
Luke McCollum	9/6/2013	N	N	N	Y	N/A	Y	N	10+/-
Luke McCollum	9/13/2013	N	N	N	Y	N/A	Y	N	10+/-
Luke McCollum	9/20/2013	N	N	N	Y	N/A	Y	N	10+/-
Luke McCollum	9/30/2013	N	N	N	Y	N/A	Y	N	10+/-
Luke McCollum	10/3/2013	N	N	N	Y	N/A	Y	N	10+/-
Brent Beaty	10/11/2013	Y*1	N	N	Y	N/A	Y	N	10+/-
Luke McCollum	10/16/2013	N	N	N	Y	N/A	N*2	N	10+/-
Brent Beaty	10/17/2013	N	N	N	Y	N/A	Y	N	10+/-
Brent Beaty	10/20/2013	N	N	N	Y	N/A	Y	N	10+/-

**Notes:**

Provide Detailed Description: \*1: Tear in liner approx. 6' above mud level \*2: Frac-Master to repair fence & remove equipment

**Misc:**

Submit 1 Copy To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
October 13, 2009

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.  
30-045-35372

5. Indicate Type of Lease  
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name  
Sullivan A

8. Well Number 1F

9. OGRID Number  
5380

10. Pool name or Wildcat  
Basin DK/Otero CH/Armen.GLP

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
XTO Energy, Inc.

3. Address of Operator  
382 County Road 3100, Aztec, New Mexico 87410

4. Well Location

Unit Letter L : 1703 feet from the South line and 889 feet from the West line  
Section 25 Township 29N Range 11W NMPM San Juan County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5595'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: Reseed Drill Pit Area ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The reclaimed area was reseeded using the BLM +10 Seed Mix on April 9<sup>th</sup> 2014.

Spud Date:

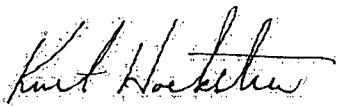
8-2-2013

Rig Release Date:

8-12-2013

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE



TITLE EH&S Coordinator

DATE 4-17-2014

Type or print name Kurt Hoekstra E-mail address: Kurt.Hoekstra@xtoenergy.com PHONE: 505-333-3100

**For State Use Only**

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>			<b>Form C-105</b> Revised August 1, 2011															
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>																				
4. Reason for filing:  <input type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)  <input checked="" type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name Sullivan A  6. Well Number: #1F												
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER																				
8. Name of Operator XTO ENERGY INC.						9. OGRID 5380														
10. Address of Operator 382 CR 3100 Aztec, NM 87410						11. Pool name or Wildcat														
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County										
Surface:	L	25	29N	11W		1703'	South	889'	West	San Juan										
BH:																				
13. Date Spudded		14. Date T.D. Reached		15. Date Rig Released 8-12-2013		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)												
18. Total Measured Depth of Well			19. Plug Back Measured Depth			20. Was Directional Survey Made?		21. Type Electric and Other Logs Run												
22. Producing Interval(s), of this completion - Top, Bottom, Name																				
<b>23. CASING RECORD (Report all strings set in well)</b>																				
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED										
24. LINER RECORD						25. TUBING RECORD														
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET												
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">DEPTH INTERVAL</th> <th style="width:50%;">AMOUNT AND KIND MATERIAL USED</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED								
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																			
<b>28. PRODUCTION</b>																				
Date First Production		Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> )				Well Status ( <i>Prod. or Shut-in</i> )														
		Flowing				Shut- In														
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio													
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - ( <i>Corr.</i> )														
29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc.</i> )								30. Test Witnessed By												
31. List Attachments																				
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit attached																				
33. If an on-site burial was used at the well, report the exact location of the on-site burial:																				
Latitude 36.694485			Longitude -107.949295			NAD 1983														
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																				
Signature <i>Kurt Hoekstra</i>			Name Kurt Hoekstra			Title EHS Coordinator														
Date 4-17-2014																				
E-mail Address Kurt.Hoekstra@xtoenergy.com																				

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....  
No. 2, from.....to.....  
No. 3, from.....to.....  
No. 4, from.....to.....

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

DISTRICT I  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone: (575) 393-6161 Fax: (575) 393-0720  
 DISTRICT II  
 911 S. First St., Artesia, NM 88210  
 Phone: (575) 748-1281 Fax: (575) 748-9720  
 DISTRICT III  
 1000 Rio Brazos Road, Aztec, NM 87410  
 Phone: (505) 334-6178 Fax: (505) 334-6170  
 DISTRICT IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505  
 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
 Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

Revised August 1, 2011  
 Submit one copy to  
 appropriate  
 District Office

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name SULLIVAN A	Well Number #1F
GRID No.	Operator Name XTO ENERGY, INC	Elevation 5595.5

#### 10 Surface Location

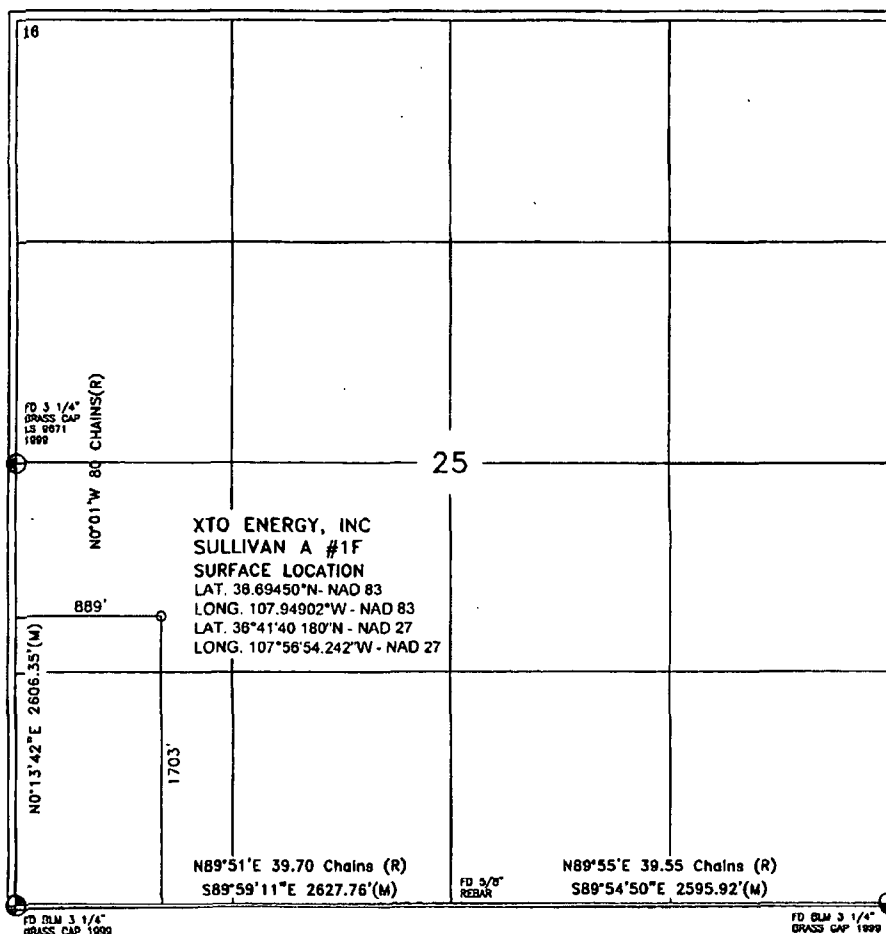
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	25	29-N	11-W		1703'	SOUTH	889'	WEST	SAN JUAN

#### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint of Infill	Consolidation Code	Order No.

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



#### 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

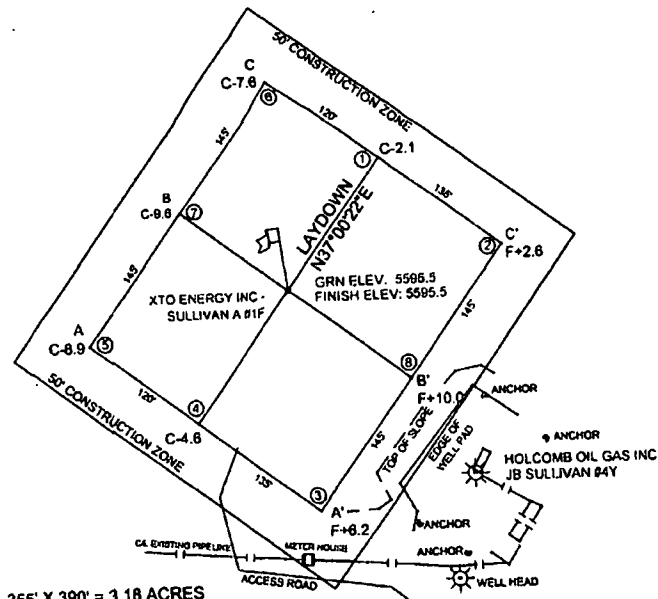
#### 18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: FEB 28, 2012  
 Signature and Seal of Professional Surveyor:

WILLIAM E. MAHNKE II  
 Certificate Number: PLS-8466

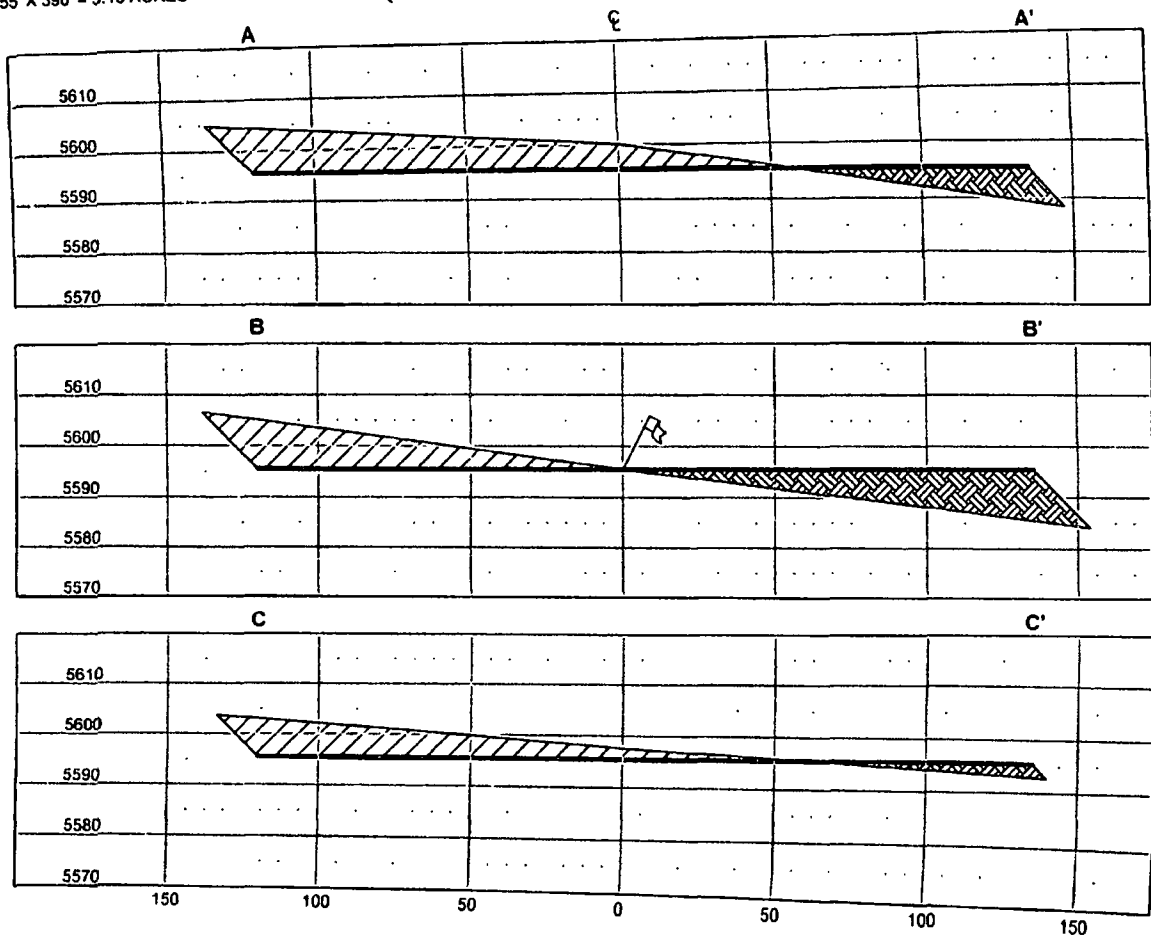
**XTO ENERGY INC.**  
 SULLIVAN A #1F  
 WELL FLAG: 1703' FSL, 889' FWL  
 LOCATED IN THE NW/4 SW/4 OF SECTION 25,  
 T29N, R11W, N.M.P.M.,  
 SAN JUAN COUNTY, NEW MEXICO  
 ELEVATION: 5595.5' (WELL FLAG), NAVD 88



WELL FLAG:  
 LATITUDE: 36.69450°N  
 LONGITUDE: 107.94902°W  
 DATUM: NAD 83

WELL FLAG:  
 LATITUDE: 36°41'40.180"N  
 LONGITUDE: 107°56'54.242"W  
 DATUM: NAD 27

355' X 390' = 3.18 ACRES

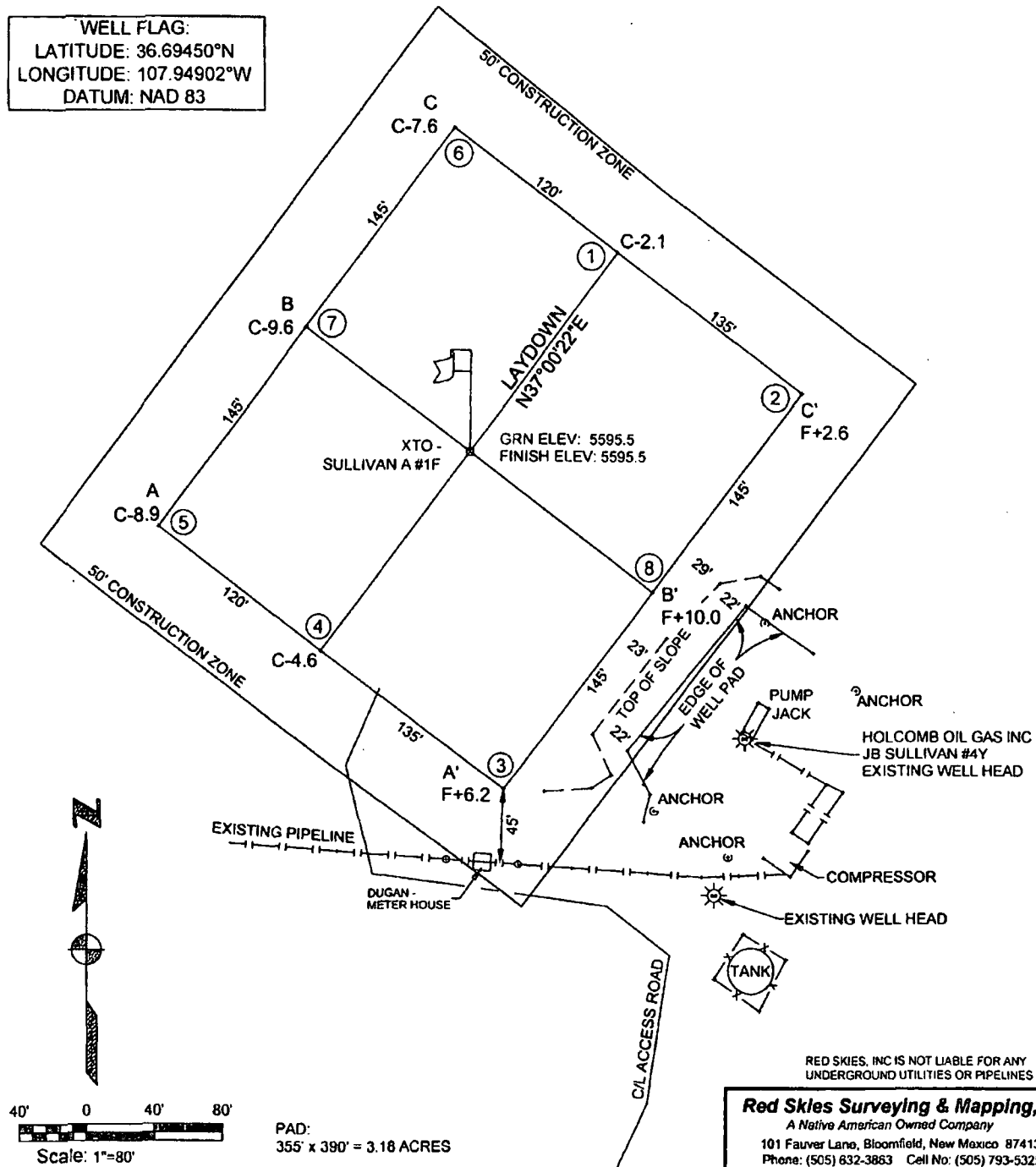


HORIZ. SCALE: 1"=50'  
 VERT. SCALE: 1"=30'

**Red Skies Surveying & Mapping, Inc.**  
 A Native American Owned Company  
 101 Fauver Lane, Bloomfield, New Mexico 87413  
 Phone: (505) 632-3883 Cell No: (505) 793-5325

**XTO ENERGY INC.**  
**SULLIVAN A #1F**  
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 LOCATED IN THE NW/4 SW/4 OF SECTION 25,  
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 SAN JUAN COUNTY, NEW MEXICO  
 ELEVATION: 5595.5'(WELL FLAG), NAVD 88

WELL FLAG:  
 LATITUDE: 36.69450°N  
 LONGITUDE: 107.94902°W  
 DATUM: NAD 83





SULLIVAN A #1F



0 Feet 1000

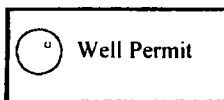


FIGURE 1  
TOPOGRAPHIC MAP  
SULLIVAN A #1F  
SEC 25 T29N R11W  
SAN JUAN COUNTY, NEW MEXICO

NELSON REVEGETATION LLC  
505-419-3333

4760 N BUTLER STE D FARMINGTON NM 87401  
brad@nelsonreveg.com



