

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.

4566

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: Irish #2 (Previously Irish #1E)
API Number: 30-045-37743 OCD Permit Number: _____
U/L or Qtr/Qtr K Section 22 Township 25N Range 10W County: San Juan
Center of Proposed Design: Latitude 36.23008 N Longitude 107.53092 W 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 200 x W 60 x D 15

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)
☐ 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 _____

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 _____

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.
- ☐ 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 H₂S, 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 indentify 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: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

☐ Yes ☒ No
☐ 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

☒ Yes ☐ No
☐ 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

☐ Yes ☒ No
☐ 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

☐ Yes ☒ 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

☐ Yes ☒ 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

☐ Yes ☒ 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

☐ Yes ☒ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ 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): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

20.

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

OCD Representative Signature: _____ Approval Date: _____

Title: _____ OCD Permit Number: _____

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: March 17, 2009

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 _____ Longitude _____ 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): Kim Champlin Title: EH&S Administrative Coordinator

Signature: *Kim Champlin* Date: 12/09/2009

e-mail address: kim_champlin@xtoenergy.com Telephone: (505) 333-3100

Approved *Brandon Pock* NMOC 1/5/09

XTO Energy Inc. San Juan Basin Closure Report

Lease Name: Irish #2

API No.: 30-045-33743

Description: Sec. 22K-T25N-R10W

Note: Well and pit were originally permitted as Irish #1E. BLM Form 3160-5 reflecting the name change to Irish #2 is included in this report.

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.
Cuttings were run through a centrifuge unit operated by Patriot to remove fluids August 4 through August 7, 2008 and fluids were disposed of at Basin Disposal NM01-005.
 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 August 26, 2008.
 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 XTO's proposed closure plan via email on August 15, 2008 and of on-site burial by certified mail, return receipt requested, December 8, 2008 (attached).
 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 July 26, 2008. Pit closed March 17, 2009. Area seeded April 8, 2009 (beginning of first growing season after closure).
 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

Notice was given to OCD by XTO within the specified time period (December 3, 2008, attached). Closure activity began December 8, 2008.

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 3 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 trachoe. Pit contents were mixed with non-waste, earthen material to a consistency that was deemed safe and stable. Approximately 1580 cubic yards of sandylome earthen material from the location was added to pit contents of 790 cubic yards. The mixing ratio did not exceed 3 parts clean soil to 1 part pit contents. Solidification was completed February 21, 2009.

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 |
|------------|---------------------------|--------------------|----------------|
| Benzene | EPA SW-846 8021B or 8260B | 0.2 | ND |
| BTEX | EPA SW-846 8021B or 8260B | 50 | ND |
| TPH | EPA SW-846 418.1 | 2500 | 72 |
| GRO/DRO | EPA SW-846 8015M | 500 | 130 |
| Chlorides | EPA 300.1 | 1000 or background | 14* (Resample) |

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 just over one foot of background topsoil suitable for establishing vegetation at the site. 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 and was completed March 17, 2009.

11. Notification will be sent to OCD when the reclaimed area is seeded.

Notification via C-103 is included in this report. Seeding date was April 8, 2009.

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.

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 has been located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker includes a four foot tall riser welded around the base with the operator's information. The riser will be set in a way to not impede reclamation activities. The operator's information includes the following: XTO Energy, Irish #2, 22K-T25N-R10W "Pit 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS OCT 14 2008

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

| | |
|--|---------------------------|
| 5. Lease Serial No | N0-G-0503-1729 |
| 6. If Indian, Allottee or Tribe Name | SHONAVAJO ALLOTMENT |
| 7. If Unit or CA/Agreement, Name and/or No | N/A |
| 8. Well Name and No | IRISH #1E chg to IRISH #2 |
| 9. API Well No. | 30-045-33743 |
| 10. Field and Pool, or Exploratory Area | BASIN DAKOTA |
| 11. County or Parish, State | SAN JUAN, NM |

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

| | |
|--|---|
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | |
| 2. Name of Operator XTO Energy, Inc. | |
| 3a. Address 382 CR 3100 AZTEC, NM 87410 | 3b. Phone No. (include area code) 505-333-3100 |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1550' FSL X 1900' FWL in Sec 22, T25N, R10W | |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|---|---|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other CHG DEDICATION |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | & WELL NAME |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

XTO would like to change the dedication of this well from a W/2 standup to a S/2 laydown and change the name back to the Irish #2.
See attached revised C102.

New Name: IRISH #2

RCVD OCT 22 '08
OIL CONS. DIV.
DIST. 3

| | | |
|---|--|-----------------------------|
| 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Kyla Vaughan | | Title Regulatory Analyst |
| Signature <i>Kyla Vaughan</i> | | Date 10/10/2008 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--------------------|------------------|
| Approved by <i>Wayne Townsend</i> | Title Pet. Eng. | Date 10/17/08 |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office FFO | |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCDB

| | | | | | | | | | | | |
|--|-----------------------|---|------------------------|--|---|---|-------------------------------|------------------|----------|---------------|--|
| Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 | | | | Form C-105 July 17, 2008 | | | | | |
| | | 1. WELL API NO. | | 30-045-33743 | | | | | | | |
| | | 2. Type of Lease | | <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN | | | | | | | |
| | | 3. State Oil & Gas Lease No | | | | | | | | | |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | | | | | |
| 4. Reason for filing: | | | | 5. Lease Name or Unit Agreement Name | | | | | | | |
| <input type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) | | | | Irish | | | | | | | |
| <input checked="" type="checkbox"/> C-144 CLOSURE ATTACHMENT (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) | | | | 6. Well Number: | | | | | | | |
| 7. Type of Completion: | | | | #2 | | | | | | | |
| <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 | | | | 9. OGRID | | | | | | | |
| XTO Energy Inc. | | | | 5380 | | | | | | | |
| 10. Address of Operator | | | | 11. Pool name or Wildcat | | | | | | | |
| 382 County Road 3100 Aztec, NM 87410 | | | | | | | | | | | |
| 12. Location | Unit Ltr | Section | Township | Range | Lot | Feet from the | N/S Line | Feet from the | E/W Line | County | |
| Surface: | K | 22 | 25N | 10W | | 1550 | S | 1900 | W | San Juan | |
| BH: | | | | | | | | | | | |
| 13. Date Spudded | 14. Date T.D. Reached | 15. Date Rig Released | | 16. Date Completed (Ready to Produce) | | 17. Elevations (DF and RKB, RT, GR, etc.) | | | | | |
| 07/16/2008 | 07/23/2008 | 07/26/2008 | | 11/10/2008 | | | | | | | |
| 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 | | | | | | | | | | | |
| 23. CASING RECORD (Report all strings set in well) | | | | | | | | | | | |
| 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. | | | | | | |
| | | | | | DEPTH INTERVAL | | AMOUNT AND KIND MATERIAL USED | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| 28. PRODUCTION | | | | | | | | | | | |
| Date First Production | | Production Method (Flowing, gas lift, pumping - Size and type pump) | | | | Well Status (Prod. or 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 - (Corr.) | | | | | |
| | | | | | | | | | | | |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.) | | | | | | | 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 | | | | | | | | | | | |
| 33. If an on-site burial was used at the well, report the exact location of the on-site burial: | | | | | | | | | | | |
| | | | | Latitude 36.40605 | | Longitude 107.75176 | | NAD 1927 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 | | Printed Name | | Title | | Date | | | | | |
| Kim Champlin | | Kim Champlin | | EH&S Administrative Mgr. | | 12/10/2009 | | | | | |
| E-mail Address | | kim_champlin@xtoenergy.com | | | | | | | | | |

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | | |
|---|--|---------------------------------|----------------------------------|
| ¹ API Number 30-045-33743 | | ² Pool Code 71599 | ³ Pool Name DAKOTA |
| ⁴ Property Code 35976 | ⁵ Property Name IRISH | | ⁶ Well Number 2 |
| ⁷ GRID No 5380 | ⁸ Operator Name XTO ENERGY INC | | ⁹ Elevation 6602 |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| K | 22 | 25-N | 10-W | | 1550 | SOUTH | 1900 | WEST | SAN JUAN |

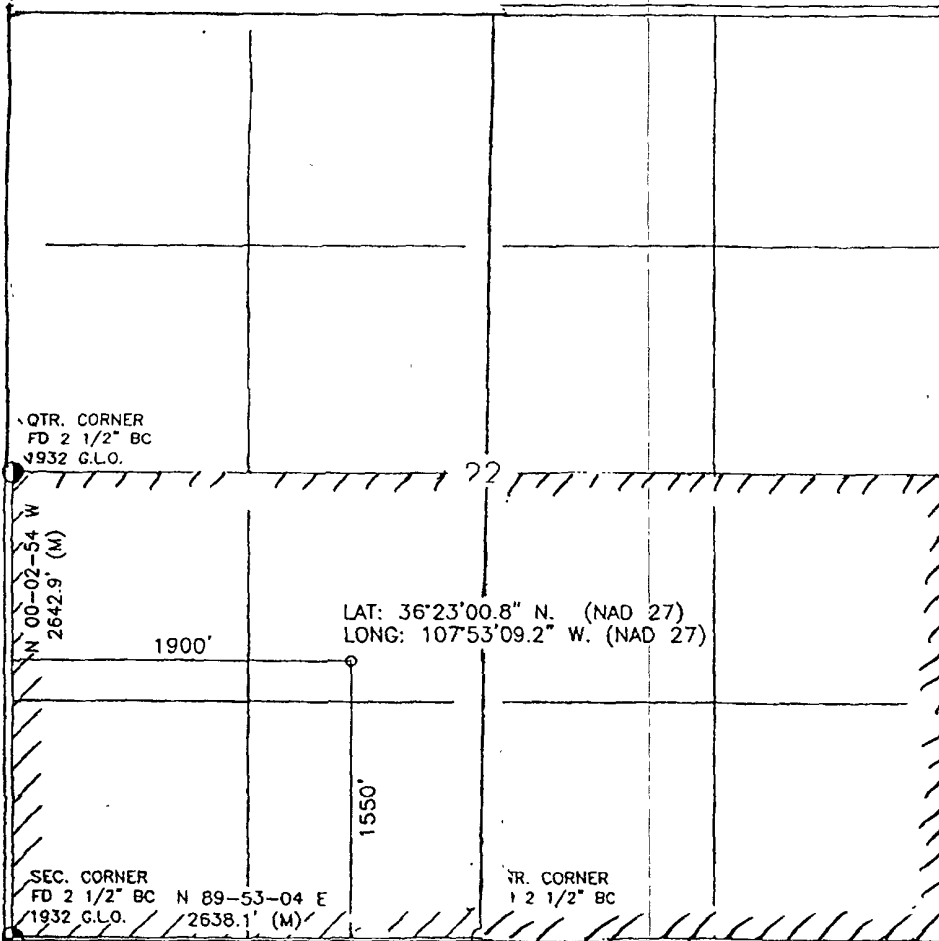
¹¹ Bottom Hole Location If Different From Surface

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

| | | | |
|--|-------------------------------|----------------------------------|------------------------|
| ¹² Dedicated Acres 5 2 320 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ Order No |
|--|-------------------------------|----------------------------------|------------------------|

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



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.

Kyla Vaughan 10/10/08
Signature Date
Printed Name *Kyla Vaughan*

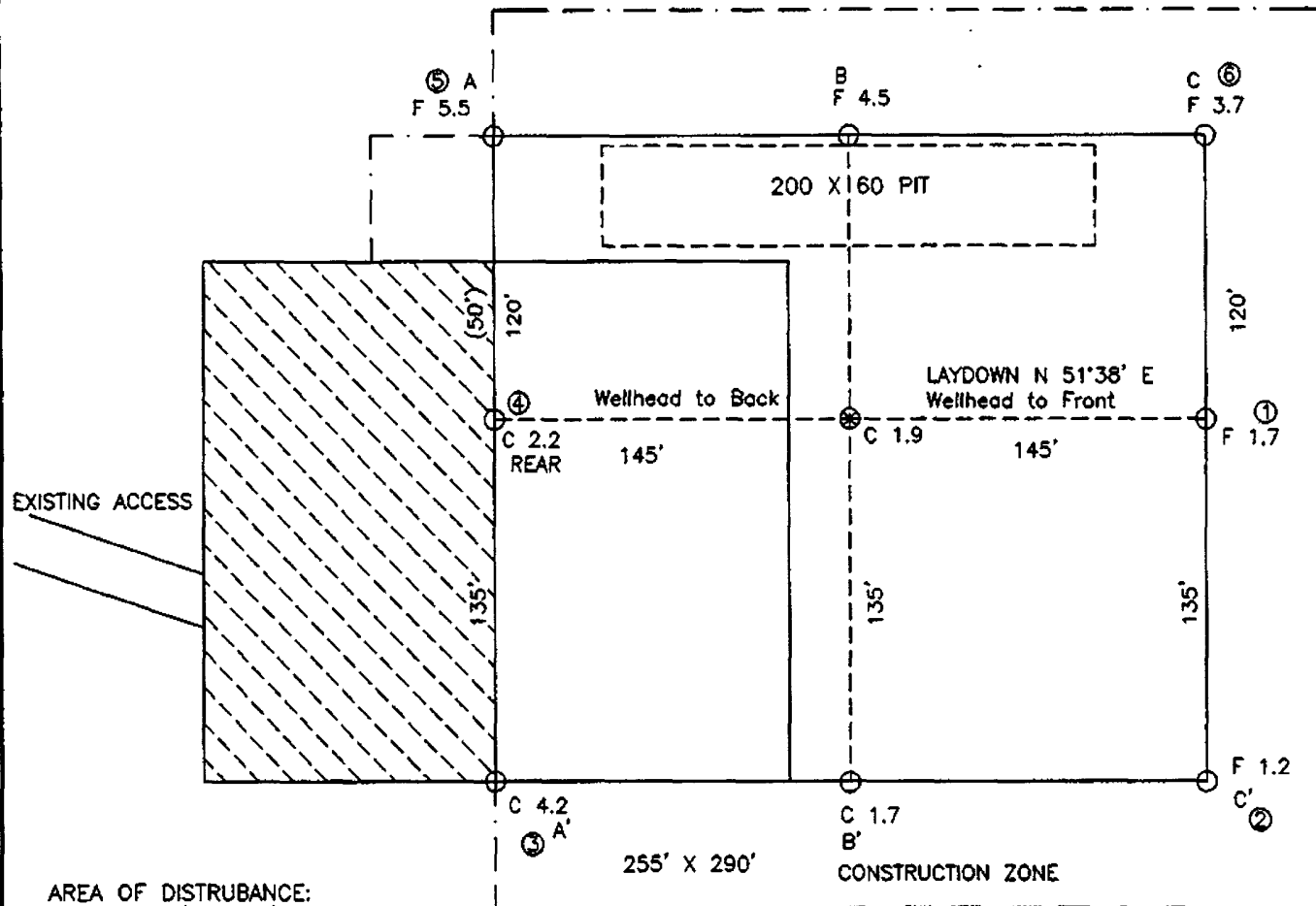
¹⁸ SURVEYOR CERTIFICATION

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.

SEPTEMBER 25, 2005
Date of Survey
Signature *JOHN A. VUKONICH*
Printed Name JOHN A. VUKONICH
Surveyor
14831
Certificate Number

XTO ENERGY INC.
 IRISH No. ~~DE 2~~ 1550' FSL 1900' FWL
 SECTION 22, T25N, R10W, N.M.P.M., SAN JUAN COUNTY, N. M.
 GROUND ELEVATION: 6602', DATE: SEPTEMBER 26, 2005

LAT. = 36°23'00.8" N.
 LONG. = 107°53'09.2" W
 NAD 27




AREA OF DISTURBANCE:
 PAD = 255' x 290' = 1.7 ACRES
 CONSTRUCTION ZONE 985' x 50' = 1.1 ACRES
 TOTAL DISTURBANCE = 2.8 ACRES

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

Exhibit E

| | | |
|--|----------------|----------|
| Revised | Date | Drawn By |
| | | |
|  Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-9019 NEW MEXICO P.L.S. No. 14831 | | |
| Drawn By: A.E. | Checked: CR463 | |
| Date: 12/18/05 | | |

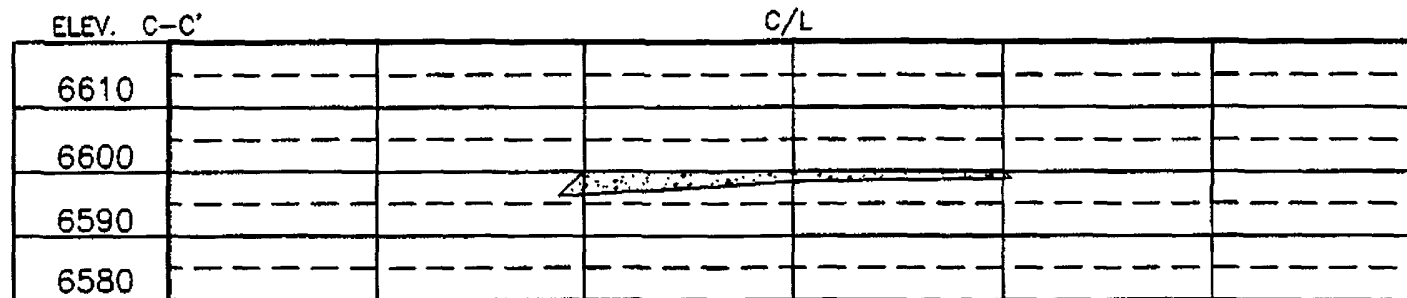
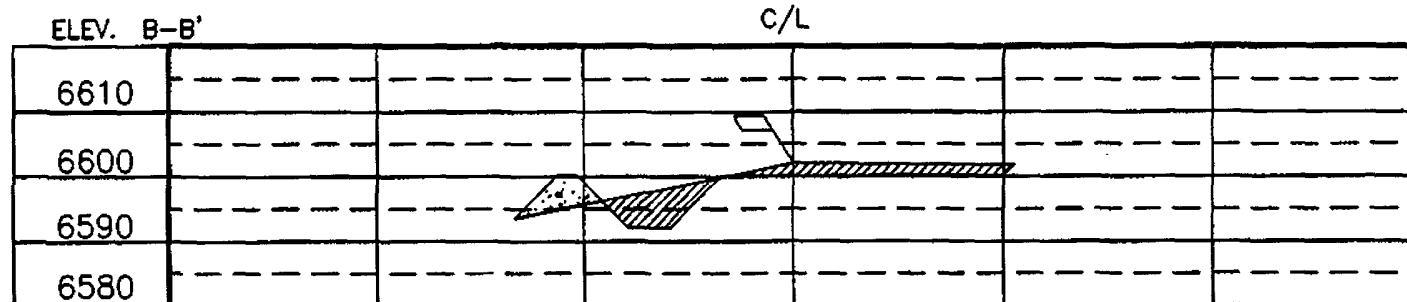
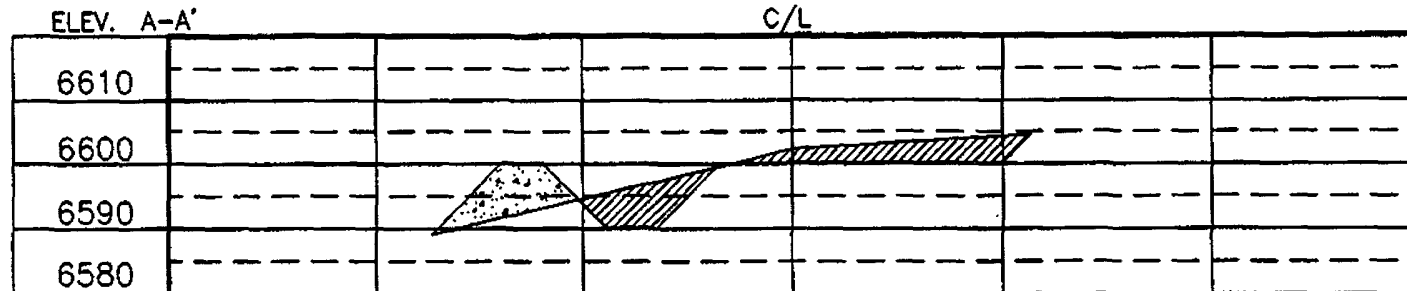
XTO ENERGY INC.

IRISH No. ~~TE~~ 21550 FSL 1900 FWL

SECTION 22, T-25-N, R-10-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 6602, DATE: SEPTEMBER 26, 2005


LATITUDE: 36°23'00.8" N (NAD 27) LONGITUDE: 107°53'09.2" W (NAD 27)



NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

Exhibit E

| | | |
|--|----------------------|-------------|
| REVISION | DATE | REVISION BY |
|  Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 • Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-8019 NEW MEXICO L.S. 14831 | | |
| DRAWN BY: A.E. | CHECKED BY: CR453CFS | |
| DATE: 09/26/05 | DATE: 12/15/05 | |



Kim Champlin/FAR/CTOC

08/15/2008 09:32 AM

To arvintrujillo@frontiernet.net

cc kim_champlin@xtoenergy.com

bcc

Subject Notice- Irish #1E Well Site

RE: Irish #1E Gas Well API #30-045-33743
Sec 22K- T25N- R10W, San Juan County

Dear Mr. Trujillo:

This submittal is pursuant to 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 our intention to close the temporary pit associated with the aforementioned location by means of in place on site burial.

Should you have any questions or require additional information please feel free to contact me at your earliest convenience (505) 333-3100.

Kim Champlin
Environmental Representative
XTO Energy
San Juan Division
(505) 333-3207 Office
(505)330-8357 Cell
(505) 333-3280 Fax



December 8, 2008

Arvin Trujillo
Navajo Nation
PO Box 9000
Window Rock, AZ 86515

Regarding: Irish #2 (Originally #1E) Gas Well API #30-045-33743
Sec. 22K- T25N- R10W, San Juan County

Dear Mr. Trujillo,

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 cursive script that reads 'Kim Champlin'.

Kim Champlin
Sr. Environmental Representative
XTO Energy Inc.
San Juan Division

Cc: OCD
File

7004 2510 0005 9631 4605

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com
OFFICIAL USE

| | |
|---|----|
| Postage | \$ |
| Certified Fee | |
| Return Receipt Fee (Endorsement Required) | |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ |



Sent To Arvin Trujillo Navajo Nation
Street, Apt. No., or PO Box No. P.O. Box 9000
City, State, ZIP+4 Window Rock, AZ 86515

SENDER: COM

PS Form 3800, June 2002

See Reverse for Instructions

VERY

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Arvin Trujillo
Navajo Nation
P.O. Box 9000
Window Rock, AZ 86515
Irish # 2

A. Signature
☒ Dora Long ☐ Agent ☐ Addressee

B. Received by (Printed Name) DORA LONG C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☒ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number
(Transfer from service label)

7004 2510 0005 9631 4605



"Rosenbaum Construction
Co., Inc."
<rosenbaumconstruction@ms
n.com>

12/03/2008 11:08 AM

To "Brandon.Powell" <Brandon.Powell@state.nm.us>

cc "Kim_Champlin" <Kim_Champlin@xtoenergy.com>,
"Tony_Sternberger" <Tony_Sternberger@xtoenergy.com>

bcc

Subject 72 HR NOTICE

BRANDON,

THIS IS OUR 72 HOUR NOTICE TO SOLIDIFY/MIX ON THE XTO LOCATION - IRISH 1E
TOWNSHIP 25N, RANGE 10W, SECTION 22, QUARTER SECTION - K - NE/SW
SAN JUAN COUNTY

THANKS,
STEPHANNE COATS
ROSENBAUM CONSTRUCTION
505-325-6367



COVER LETTER

Wednesday, October 15, 2008

Martin Nee
XTO Energy
382 County Road 3100
Aztec, NM 87410

TEL: (505) 333-3100

FAX (505) 333-3280

RE: Reserve Pit Samples

Order No.: 0810029

Dear Martin Nee:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 10/2/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

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

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Oct-08

CLIENT: XTO Energy
Lab Order: 0810029
Project: Reserve Pit Samples
Lab ID: 0810029-01

Client Sample ID: Irish #1E Reserve Pit
Collection Date: 9/29/2008 3:00:00 PM
Date Received: 10/2/2008
Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|--|--------|----------|------|-------|----|-----------------------|
| EPA METHOD 8015B: DIESEL RANGE ORGANICS | | | | | | Analyst: SCC |
| Diesel Range Organics (DRO) | 130 | 10 | | mg/Kg | 1 | 10/7/2008 |
| Motor Oil Range Organics (MRO) | 170 | 50 | | mg/Kg | 1 | 10/7/2008 |
| Surr: DNOP | 98.3 | 61.7-135 | | %REC | 1 | 10/7/2008 |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: DAM |
| Gasoline Range Organics (GRO) | ND | 50 | | mg/Kg | 10 | 10/12/2008 6:49:31 AM |
| Surr: BFB | 88.6 | 58.8-123 | | %REC | 10 | 10/12/2008 6:49:31 AM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: DAM |
| Benzene | ND | 0.50 | | mg/Kg | 10 | 10/12/2008 6:49:31 AM |
| Toluene | ND | 0.50 | | mg/Kg | 10 | 10/12/2008 6:49:31 AM |
| Ethylbenzene | ND | 0.50 | | mg/Kg | 10 | 10/12/2008 6:49:31 AM |
| Xylenes, Total | ND | 1.0 | | mg/Kg | 10 | 10/12/2008 6:49:31 AM |
| Surr: 4-Bromofluorobenzene | 96.8 | 66.8-139 | | %REC | 10 | 10/12/2008 6:49:31 AM |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: SLB |
| Chloride | 1300 | 6.0 | | mg/Kg | 20 | 10/9/2008 7:32:03 PM |
| EPA METHOD 418.1: TPH | | | | | | Analyst: LRW |
| Petroleum Hydrocarbons, TR | 72 | 20 | | mg/Kg | 1 | 10/6/2008 |

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Reserve Pit Samples

Work Order: 0810029

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|--|--------|-------|-------|------|-----------------|---------------------------------------|------|----------|------|
| Method: EPA Method 300.0: Anions | | | | | | | | | |
| Sample ID: MB-17278 | | MBLK | | | Batch ID: 17278 | Analysis Date: 10/9/2008 4:26:47 AM | | | |
| Chloride | ND | mg/Kg | 0.30 | | | | | | |
| Sample ID: LCS-17278 | | LCS | | | Batch ID: 17278 | Analysis Date: 10/9/2008 4:09:23 AM | | | |
| Chloride | 14.61 | mg/Kg | 0.30 | 97.4 | 90 | 110 | | | |
| Method: EPA Method 418.1: TPH | | | | | | | | | |
| Sample ID: MB-17274 | | MBLK | | | Batch ID: 17274 | Analysis Date: 10/6/2008 | | | |
| Petroleum Hydrocarbons, TR | ND | mg/Kg | 20 | | | | | | |
| Sample ID: LCS-17274 | | LCS | | | Batch ID: 17274 | Analysis Date: 10/6/2008 | | | |
| Petroleum Hydrocarbons, TR | 91.14 | mg/Kg | 20 | 91.1 | 82 | 114 | | | |
| Sample ID: LCSD-17274 | | LCSD | | | Batch ID: 17274 | Analysis Date: 10/6/2008 | | | |
| Petroleum Hydrocarbons, TR | 89.70 | mg/Kg | 20 | 89.7 | 82 | 114 | 1.59 | 20 | |
| Method: EPA Method 8015B: Diesel Range Organics | | | | | | | | | |
| Sample ID: MB-17265 | | MBLK | | | Batch ID: 17265 | Analysis Date: 10/7/2008 | | | |
| Diesel Range Organics (DRO) | ND | mg/Kg | 10 | | | | | | |
| Motor Oil Range Organics (MRO) | ND | mg/Kg | 50 | | | | | | |
| Sample ID: LCS-17265 | | LCS | | | Batch ID: 17265 | Analysis Date: 10/7/2008 | | | |
| Diesel Range Organics (DRO) | 50.42 | mg/Kg | 10 | 101 | 64.6 | 116 | | | |
| Sample ID: LCSD-17265 | | LCSD | | | Batch ID: 17265 | Analysis Date: 10/7/2008 | | | |
| Diesel Range Organics (DRO) | 51.21 | mg/Kg | 10 | 102 | 64.6 | 116 | 1.56 | 17.4 | |
| Method: EPA Method 8015B: Gasoline Range | | | | | | | | | |
| Sample ID: MB-17254 | | MBLK | | | Batch ID: 17254 | Analysis Date: 10/12/2008 11:22:29 AM | | | |
| Gasoline Range Organics (GRO) | ND | mg/Kg | 5.0 | | | | | | |
| Sample ID: LCS-17254 | | LCS | | | Batch ID: 17254 | Analysis Date: 10/12/2008 11:52:56 AM | | | |
| Gasoline Range Organics (GRO) | 23.63 | mg/Kg | 5.0 | 94.5 | 69.5 | 120 | | | |
| Method: EPA Method 8021B: Volatiles | | | | | | | | | |
| Sample ID: MB-17254 | | MBLK | | | Batch ID: 17254 | Analysis Date: 10/12/2008 11:22:29 AM | | | |
| Benzene | ND | mg/Kg | 0.050 | | | | | | |
| Toluene | ND | mg/Kg | 0.050 | | | | | | |
| Ethylbenzene | ND | mg/Kg | 0.050 | | | | | | |
| Xylenes, Total | ND | mg/Kg | 0.10 | | | | | | |
| Sample ID: LCS-17254 | | LCS | | | Batch ID: 17254 | Analysis Date: 10/12/2008 11:52:56 AM | | | |
| Benzene | 0.3162 | mg/Kg | 0.050 | 113 | 78.8 | 132 | | | |
| Toluene | 2.185 | mg/Kg | 0.050 | 109 | 78.9 | 112 | | | |
| Ethylbenzene | 0.4510 | mg/Kg | 0.050 | 113 | 69.3 | 125 | | | |
| Xylenes, Total | 2.687 | mg/Kg | 0.10 | 117 | 73 | 128 | | | |

Qualifiers:

| | | | |
|---|--|----|--|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY

Date Received.

10/2/2008

Work Order Number 0810029

Received by: ARS

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

4°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding:

Comments:

Corrective Action

Chain-of-Custody Record

Client: XTO ENERGY

Address: 382 ROAD 3100
AZTEC NM 87410

Phone #: 505-333-3207

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

RESERVE PIT SAMPLES

Project #: IRISH # 1E

Project Manager:

MARTIN NEE

Sampler: Kuet

Office ☒ Yes ☐ No

Sample Temperature: _____

| Date | Time | Sample Request ID | Container Type and # | Preservative Type | HEAL No. | BTEX + MTEF | BTEX + MTEF | TPH Method | TPH (Method) | EDB (Method) | EDC (Method) | 8310 (PNA) | Anions (F, Cl) | 8081 Pesticide | 8260B (VOA) | 8270 (Semi-) | Geo-De | Chloride | Air Bubbles |
|------|---------|--------------------------|----------------------|-------------------|---------------|-------------|-------------|------------|--------------|--------------|--------------|------------|----------------|----------------|-------------|--------------|--------|----------|-------------|
| 9/29 | 3:00 pm | IRISH #12 RESERVE PIT | (2) 4oz Jars | ON ICE | 0810029 -1 | X | | | X | | | | | | | | X | X | |
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| | | |
|--|---|--------------------------------------|
| | X | BTEX + MTBE + TMB's (8021) |
| | | BTEX + MTBE + TPH (Gas only) |
| | | TPH Method 8015B (Gas/Diesel) |
| | X | TPH (Method 418.1) |
| | | EDB (Method 504.1) |
| | | EDC (Method 8260) |
| | | 8310 (PNA or PAH) |
| | | Anions (F, Cl, NO_3, PO_4, SO_4) |
| | | 8081 Pesticides / 8082 PCB's |
| | | 8260B (VOA) |
| | | 8270 (Semi-VOA) |
| | X | GRO-DFO 8015 A |
| | X | CHLORIDES 300.0 |
| | | Air Bubbles (Y or N) |

Remarks:

E-MAIL RESULTS TO:
KURT HOEKSTRA
Kim CHAMPUN

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.



COVER LETTER

Wednesday, December 24, 2008

Martin Nee
XTO Energy
382 County Road 3100
Aztec, NM 87410

TEL: (505) 333-3100

FAX (505) 333-3280

RE: Reserve Pit Samples

Order No.: 0812367

Dear Martin Nee:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 12/18/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

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

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX



4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: 24-Dec-08

CLIENT: XTO Energy
Lab Order: 0812367
Project: Reserve Pit Samples
Lab ID: 0812367-01

Client Sample ID: Irish #1E-Resample Reserve Pit
Collection Date: 12/15/2008 1:00:00 PM
Date Received: 12/18/2008
Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|---------------------------------|--------|------|------|-------|----|-----------------------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: RAGS |
| Chloride | 14 | 0.30 | | mg/Kg | 1 | 12/22/2008 4:52:39 PM |

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Reserve Pit Samples

Work Order: 0812367

| Analyte | Result | Units | PQL | %Rec | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---------|--------|-------|-----|------|----------|-----------|------|----------|------|
|---------|--------|-------|-----|------|----------|-----------|------|----------|------|

Method: EPA Method 300.0: Anions

Sample ID: MB-17905

MBLK

Batch ID: 17905 Analysis Date: 12/20/2008 10:08:02 AM

Chloride

ND

mg/Kg

0.30

Sample ID: LCS-17905

LCS

Batch ID: 17905 Analysis Date: 12/20/2008 10:25:26 AM

Chloride

15.35

mg/Kg

0.30

102

90

110

Qualifiers:

| | | | |
|---|--|----|--|
| E | Estimated value | H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits | ND | Not Detected at the Reporting Limit |
| R | RPD outside accepted recovery limits | S | Spike recovery outside accepted recovery limits |

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

12/18/2008

Work Order Number 0812367

Received by: TLS

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name FedEx

| | | | | |
|---|--|---|---|--------------------------------------|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Not Shipped <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace? | No VOA vials submitted <input checked="" type="checkbox"/> | Yes <input type="checkbox"/> | No <input type="checkbox"/> | |
| Water - Preservation labels on bottle and cap match? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature? | 1° | <6° C Acceptable If given sufficient time to cool. | | |

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

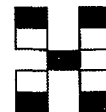
Comments: _____

Corrective Action _____

| | | | |
|--|--|--|--|
| <h1>Chain-of-Custody Record</h1> | | Turn-Around Time: | |
| Client: <u>XTO ENERGY</u> | | <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush | |
| Address: <u>382 ROAD 3100</u> <u>AZTEC NM 87410</u> | | Project Name: <u>RESERVE PIT SAMPLES</u> | |
| Phone #: <u>505-333-3207</u> | | Project #: <u>RE-SAMPLE</u> <u>IRISH # 1E RESERVE PIT</u> | |
| email or Fax#: | | Project Manager: <u>MARTIN NEE</u> | |
| QA/QC Package: | | Sampler: <u>KURT</u> | |
| <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) | | Onsite: <u>YES</u> <u>NO</u> | |
| <input type="checkbox"/> Other | | Sample Temperature: | |
| <input type="checkbox"/> EDD (Type) | | | |

[illegible]

| | | | |
|-------|-------|---------------------|-------------------------|
| Date: | Time: | Relinquished by: | Received by: |
| 12-17 | 7:30 | <i>Kurt Haecker</i> | <i>J. D. 118/08</i> 915 |
| Date: | Time: | Relinquished by: | Received by: |



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Remarks:
E-MAIL RESULTS TO:
KURT HOEKSTRA
Kim CHAMPAIN

Submit 3 Copies 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
June 19, 2008

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

| | | |
|---|--|--|
| 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) | | WELL API NO. 30-045-33743 |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other | | 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator XTO Energy Inc | | 6. State Oil & Gas Lease No. |
| 3. Address of Operator 382 County Road 3100 Aztec, NM 87410 | | 7. Lease Name or Unit Agreement Name Irish |
| 4. Well Location Unit Letter K : 1550 feet from the South line and 1900 feet from the West line Section 22 Township 25N Range 10W NMPM County San Juan | | 8. Well Number #2 |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.) | | 9. OGRID Number 5380 |
| | | 10. Pool name or Wildcat Basin Dakota |

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

| | | | |
|--|---|--|--|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | P AND A <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | MULTIPLE COMPL <input type="checkbox"/> | CASING/CEMENT JOB <input type="checkbox"/> | |
| DOWNHOLE COMMINGLE <input type="checkbox"/> | | | |
| OTHER: <input type="checkbox"/> | | OTHER: Seed Temporary Pit Area <input checked="" type="checkbox"/> | |

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The area where the temporary pit has been buried in place was seeded on April 8, 2009 using BLM Seed Mix by drilling on the contour (disk and seed contour).

BLM Seed Mix Special:>10 Inches of Precipitation

| | |
|--|----------|
| Fourwing Saltbush (Atriplex Canescens) | 1.0 lbs |
| Indian Wheatgrass (Oryzopsis Hymenoides) | 1.0 lbs |
| Western Wheatgrass (Agropyron Smithii) | 2.0 lbs |
| Blue Gamma (Hatcheta or Alma) | 0.25 lbs |
| Small Burnet (Delar) | 1.0 lbs |
| Pubescent Wheatgrass | 2.0 lbs |
| Intermediate Wheatgrass | 2.0 lbs |
| Smooth Brome | 2.0 lbs |
| Antelope Bitterbrush | 0.10 lbs |

Spud Date:

July 16, 2008

Rig Release Date:

July 26, 2008

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

SIGNATURE Kim Champlin TITLE EH&S Administrative Coord DATE 12/10/2009

Type or print name Kim Champlin E-mail address: kim_champlin@xtoenergy.com PHONE: (505) 333-3100

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

TEMPORARY PIT INSPECTION FORM

Well Name: Irish # 1E

API No.: 30-045-33743

Legals: **Sec:** 22

Township: 25N

Range: 10W

| Inspector's | Inspection | Any visible liner | Any fluid seeps/ | HC's on top of | Temp. pit free of misc | Discharg 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) |
| B.Cummins | 7/15/2008 | No | No | No | Yes | No | Yes | No | +/- 8' |
| B.Cummins | 7/16/2008 | No | No | No | Yes | No | Yes | No | +/- 8' |
| B.Cummins | 7/17/2008 | No | No | No | Yes | No | Yes | No | +/- 8' |
| B.Cummins | 7/18/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| B.Cummins | 7/19/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Elrod | 7/20/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Elrod | 7/21/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Elrod | 7/22/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Romango | 7/23/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Romango | 7/24/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Romango | 7/25/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Romango | 7/26/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Romango | 7/27/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| D.Romango | 7/28/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |
| M. Hartsell | 8/4/2008 | No | No | No | Yes | No | Yes | No | +/- 7' |

Notes:

Provide Detailed Description: Observed one tear approx. 12"-14" long in an arc shape, and several small holes where rocks and sticks have poked through. All holes and tears on upper part of apron near the edge of the liner.

Misc:

TEMPORARY PIT INSPECTION FORM

Well Name: Irish # 1E

API No.: 30-045-33743

Legals:

Sec: 22

Township: 25N

Range: 10W

| Inspector's | Inspection | Any visible liner | Any fluid seeps/ | HC's on top of | Temp. pit free of misc | Discharg 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) |
| M. Hartsell | 8/13/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 8/20/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 8/27/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 9/3/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 9/10/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 9/17/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 9/24/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 10/1/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 10/8/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 10/15/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 10/22/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 10/29/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 11/5/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 11/12/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 11/19/2008 | No | No | No | Yes | No | Yes | No | >2' |

Notes:

Provide Detailed Description:

Misc:

TEMPORARY PIT INSPECTION FORM

Well Name: Irish # 1E

API No.: 30-045-33743

Legals:

Sec: 22

Township: 25N

Range: 10W

| Inspector's | Inspection | Any visible liner | Any fluid seeps/ | HC's on top of | Temp. pit free of misc | Discharg 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) |
| M. Hartsell | 11/26/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 12/3/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 12/10/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 12/17/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 12/24/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 12/31/2008 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 1/7/2009 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 1/14/2009 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 1/21/2009 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 1/28/2009 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 2/4/2009 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 2/11/2009 | No | No | No | Yes | No | Yes | No | >2' |
| M. Hartsell | 2/18/2009 | No | No | No | Yes | No | Yes | No | >2' |
| | | | | | | | | | |
| | | | | | | | | | |

Notes:

Provide Detailed Description:

Misc:

