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.

4553

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: Huerfano Unit #310
API Number: 30-045-34562 OCD Permit Number:
U/L or Qtr/Qtr O Section 9 Township 25N Range 9W County: San Juan
Center of Proposed Design: Latitude 36.410762 Longitude 107.791504 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 85 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)
☐ 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

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DEC 2009
OIL CONS. DIV. DIST. 3

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	☐ Yes ☐ 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	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to permanent pits)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ 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	☐ 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

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_2S, 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 23, 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 indentify 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 36.41078 Longitude 107.79151 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 Mgr.

Signature: Kim Champlin Date: 12/01/2009

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

Approved Brandon Powell NMOCD 1/5/10

XTO Energy Inc.
San Juan Basin
Closure Report

Lease Name: Huerfano Unit #310
API No.: 30-045-34562
Description: Sec. 9(O)-T25N-R9W

Note: This well is part of a Designation of Operator Agreement with Burlington Resources. XTO Energy Inc. permitted the drilling activities and the reserve pit, drilled and completed the well and closed the reserve pit. Change of operator was then submitted and Burlington Resources constructed the tank battery and assumed operation of the well.

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 September 16 through September 25, 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 October 7, 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 29, 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 September 4, 2008. Pit closed March 23, 2009. Area seeded April 24, 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 8, 2008, attached). Closure activity began December 11, 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 830 cubic yards of sandylome earthen material from the location was added to pit contents of 2490 cubic yards. The mixing ratio did not exceed 3 parts clean soil to 1 part pit contents. Solidification was completed December 11, 2008.

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	**0.16**
BTEX	EPA SW-846 8021B or 8260B	50	**2.52**
TPH	EPA SW-846 418.1	2500	**230**
GRO/DRO	EPA SW-846 8015M	500	**104**
Chlorides	EPA 300.1	500 or background	**30* (Resample)**

← After pit solidified

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 23, 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 24, 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: Burlington Resources, Huerfano Unit #310, Sec. 9(O)-T25N-R9W "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.

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. 30-045-34562-00S1
2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **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)

5. Lease Name or Unit Agreement Name: Huerfano Unit
6. Well Number: #310

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator: XTO Energy Inc.
9. OGRID: 5380
10. Address of Operator: 382 County Road 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:	O	9	25N	9W		850	S	1720	E	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.)
06/30/2008	09/02/2008	09/04/2008	10/09/2008	

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

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

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 36.410762 Longitude 107.791504 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 Kim Champlin Printed Name Kim Champlin Title EH&S Administrative Mgr. Date 12/01/2009

E-mail Address kim_champlin@xtoenergy.com

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 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	[2] Pool Code	[3] Pool Name

[4] Property Code	[5] Property Name	[6] Well Number
	HUERFANO	310

[7] OGRID No	[8] Operator Name	[9] Elevation
	XTO ENERGY INC	6608

[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
O	9	25-N	9-W		850	SOUTH	1720	EAST	SAN JUAN

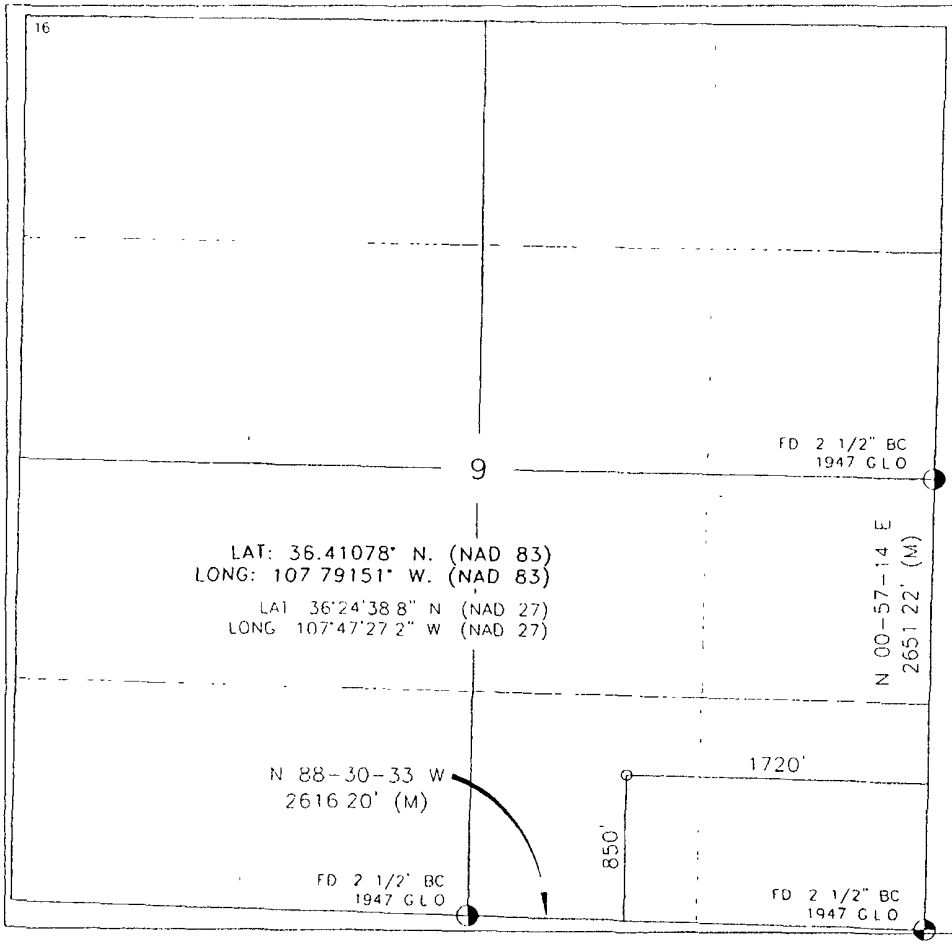
[11] Bottom Hole Location If Different From Surface

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	[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.

Signature Date

Printed Name

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.

AUGUST 2, 2007
Date of Survey

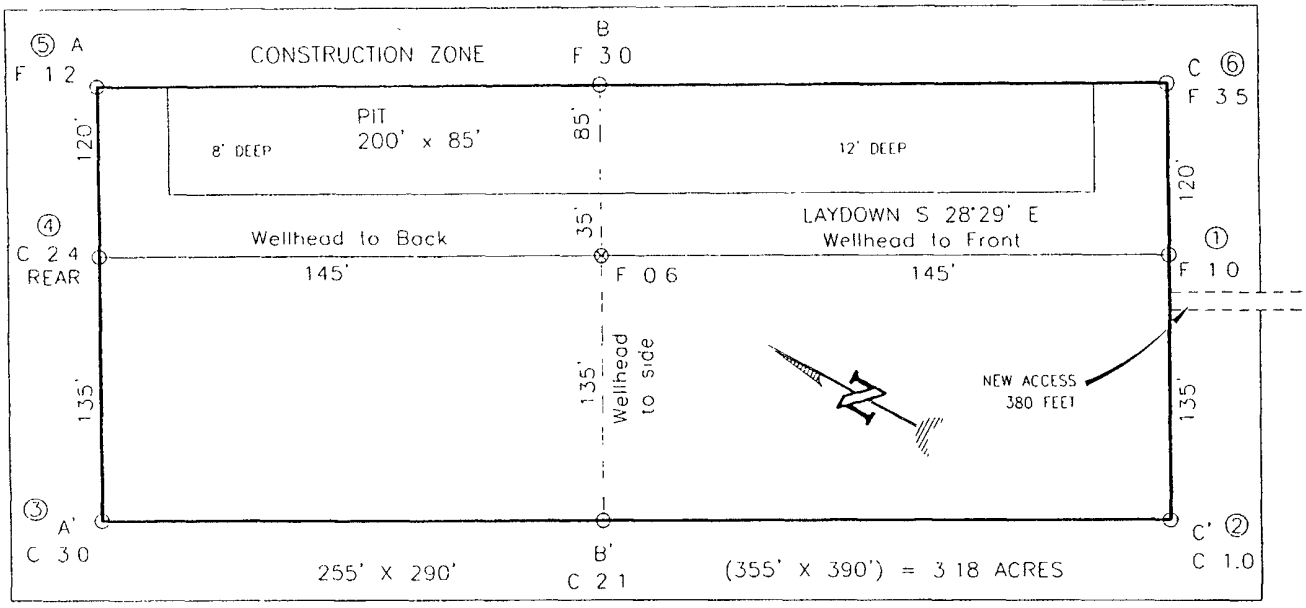
Signature and Seal of Professional Surveyor

ROY A. RUSH
NEW MEXICO
8894
REGISTERED PROFESSIONAL LAND SURVEYOR
09-05-07

Certificate Number

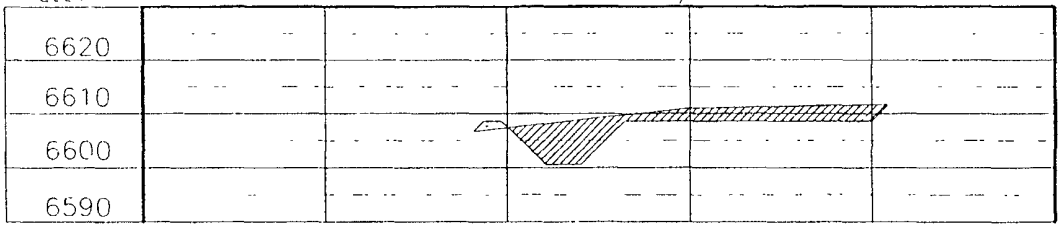
XTO ENERGY INC.
HUERFANO No. 310, 850 FSL 1720 FEL
SECTION 9, T25N, R9W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 6608' DATE: AUGUST 2, 2007

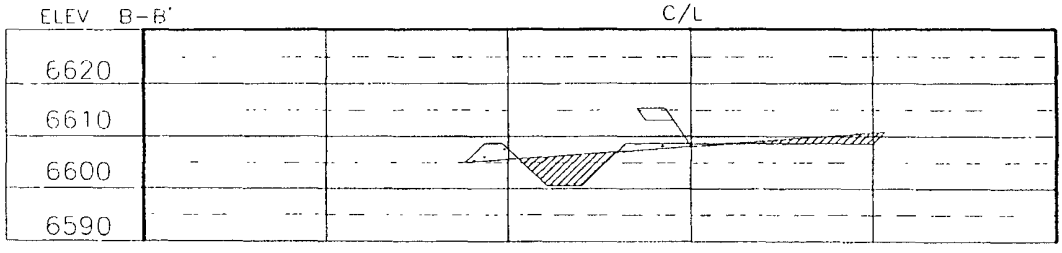
NAD 83
LAT. = 36.41078° N
LONG. = 107.79151° W
NAD 27
LAT = 36°24'38.8" N
LONG = 107°47'27.2" W

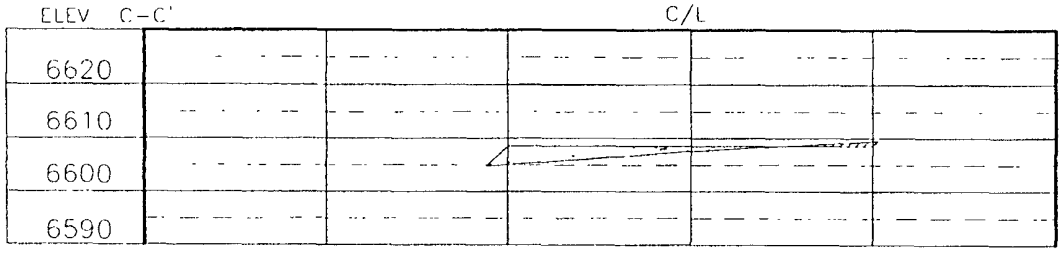


RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE)
BLOW PIT OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT

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







NOTE 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

Daggett Enterprises, Inc.
Surveying and Oil Field Services
P O Box 510 Farmington, NM 87499
Phone (505) 326-1772 • Fax (505) 326-6019
NEW MEXICO L S No 8894

REVISION | DATE | REVISED BY
DRAWN BY G V | CADFILE CR615_CFB
BOND CR615 | DATE 8/30/07

Kim Champlin/FAR/CTOC
08/29/2008 10:25 AM

To mark_kelly@blm.gov
cc
bcc
Subject Notice- Huerfano Unit #310 Well Site

RE: Huerfano Unit #310 Gas Well API 30-045-34562
Sec. 9O- T25N- R9W, San Juan County

Dear Mr. Kelly:

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

Mark Kelly
Bureau of Land Management
Farmington Field Office
1235 La Plata Hwy
Farmington, NM 87401
(505) 599-8900

Regarding: Huerfano Unit #310 Gas Well API #30-045-34562
Sec. 9O- T25N- R9W, San Juan County

Dear Mr. Kelly,

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,

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

Cc: OCD
File

7004 2510 0005 9631 4599

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	$

FARMINGTON NM DEC 08 2008 87401 USPS

Sent To: Mark Kelly, BLM Farmington Field Office
Street, Apt. No.; or PO Box No.: 1235 La Plata Hwy
City, State, ZIP+4: Farmington NM 87401

PS Form 3800, June 2002 — See Reverse for Instructions

SENDER: COMPL...

- 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:

Mark Kelly
Bureau of Land Management
Farmington Field Office
1235 La Plata Hwy
Farmington, NM 87401
HUERFANO UNIT #31D

A. Signature
X Tamara S. Faust ☐ Agent ☐ Addressee

B. Received by (Printed Name): Tamara S. Faust
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 4599

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

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

12/08/2008 11:19 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 HOUR NOTICES

THIS IS OUR 72 HOUR NOTICE TO SOLIDIFY PIT CONTENTS ON AN XTO WELL SITE.
HUERFANO 310
TOWNSHIP 25N, RANGE 9W, SECTION 9, QUARTER SECTION SE

THANK YOU,

STEPHANNE COATS
ROSENBAUM CONSTRUCTION
505-325-6367

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, December 03, 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.: 0811359

Dear Martin Nee:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 11/21/2008 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,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

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

Hall Environmental Analysis Laboratory, Inc.

Date: *03-Dec-08*

CLIENT:	XTO Energy	**Client Sample ID:**	Huerfano #310 Reserve Pit
Lab Order:	0811359	**Collection Date:**	11/20/2008 11:45:00 AM
Project:	Reserve Pit Samples	**Date Received:**	11/21/2008
Lab ID:	0811359-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	86	10		mg/Kg	1	11/25/2008
Motor Oil Range Organics (MRO)	180	50		mg/Kg	1	11/25/2008
Surr: DNOP	102	61.7-135		%REC	1	11/25/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	18	5.0		mg/Kg	1	12/2/2008 1:10:59 PM
Surr: BFB	183	58.8-123	S	%REC	1	12/2/2008 1:10:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	0.16	0.050		mg/Kg	1	12/2/2008 1:10:59 PM
Toluene	0.73	0.050		mg/Kg	1	12/2/2008 1:10:59 PM
Ethylbenzene	0.23	0.050		mg/Kg	1	12/2/2008 1:10:59 PM
Xylenes, Total	1.4	0.10		mg/Kg	1	12/2/2008 1:10:59 PM
Surr: 4-Bromofluorobenzene	107	66.8-139		%REC	1	12/2/2008 1:10:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	670	3.0		mg/Kg	10	11/26/2008 7:19:26 PM
EPA METHOD 418.1: TPH						Analyst: **LRW**
Petroleum Hydrocarbons, TR	230	20		mg/Kg	1	11/26/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Reserve Pit Samples **Work Order:** 0811359

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB-17735		*MBLK*			Batch ID: **17735**		Analysis Date:	11/26/2008 11:46:47 AM	
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-17735		*LCS*			Batch ID: **17735**		Analysis Date:	11/26/2008 12:04:11 PM	
Chloride	14.81	mg/Kg	0.30	98.7	90	110			
Method: EPA Method 418.1: TPH									
Sample ID: MB-17720		*MBLK*			Batch ID: **17720**		Analysis Date:	11/26/2008	
Petroleum Hydrocarbons, TR	ND	mg/Kg	20						
Sample ID: LCS-17720		*LCS*			Batch ID: **17720**		Analysis Date:	11/26/2008	
Petroleum Hydrocarbons, TR	99.30	mg/Kg	20	99.3	82	114			
Sample ID: LCSD-17720		*LCSD*			Batch ID: **17720**		Analysis Date:	11/26/2008	
Petroleum Hydrocarbons, TR	99.30	mg/Kg	20	99.3	82	114	0	20	
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-17716		*MBLK*			Batch ID: **17716**		Analysis Date:	11/25/2008	
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-17716		*LCS*			Batch ID: **17716**		Analysis Date:	11/25/2008	
Diesel Range Organics (DRO)	46.06	mg/Kg	10	92.1	64.6	116			
Sample ID: LCSD-17716		*LCSD*			Batch ID: **17716**		Analysis Date:	11/25/2008	
Diesel Range Organics (DRO)	48.55	mg/Kg	10	97.1	64.6	116	5.26	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0811359-01A MSD		*MSD*			Batch ID: **17721**		Analysis Date:	12/2/2008 4:44:04 PM	
Gasoline Range Organics (GRO)	24.01	mg/Kg	5.0	96.0	69.5	120	8.95	11.6	
Sample ID: MB-17721		*MBLK*			Batch ID: **17721**		Analysis Date:	11/26/2008 3:57:27 AM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-17721		*LCS*			Batch ID: **17721**		Analysis Date:	11/26/2008 2:26:41 AM	
Gasoline Range Organics (GRO)	27.93	mg/Kg	5.0	112	69.5	120			
Sample ID: 0811359-01A MS		*MS*			Batch ID: **17721**		Analysis Date:	12/2/2008 4:13:48 PM	
Gasoline Range Organics (GRO)	26.26	mg/Kg	5.0	105	69.5	120			

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

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Reserve Pit Samples **Work Order:** 0811359

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0811359-01A MSD		*MSD*			Batch ID:	**17721**	Analysis Date:		12/2/2008 4:44:04 PM
Benzene	0.3813	mg/Kg	0.050	112	78.8	132	9.68	27	
Toluene	2.124	mg/Kg	0.050	88.5	78.9	112	3.47	19	
Ethylbenzene	0.4719	mg/Kg	0.050	84.3	69.3	125	0.318	10	
Xylenes, Total	2.373	mg/Kg	0.10	84.7	73	128	1.18	13	
Sample ID: MB-17721		*MBLK*			Batch ID:	**17721**	Analysis Date:		11/26/2008 3:57:27 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-17721		*LCS*			Batch ID:	**17721**	Analysis Date:		11/26/2008 2:26:41 AM
Benzene	0.4831	mg/Kg	0.050	142	78.8	132			S
Toluene	2.171	mg/Kg	0.050	90.1	78.9	112			
Ethylbenzene	0.4501	mg/Kg	0.050	80.4	69.3	125			
Xylenes, Total	2.270	mg/Kg	0.10	81.1	73	128			
Sample ID: 0811359-01A MS		*MS*			Batch ID:	**17721**	Analysis Date:		12/2/2008 4:13:48 PM
Benzene	0.4201	mg/Kg	0.050	124	78.8	132			
Toluene	2.199	mg/Kg	0.050	91.6	78.9	112			
Ethylbenzene	0.4704	mg/Kg	0.050	84.0	69.3	125			
Xylenes, Total	2.401	mg/Kg	0.10	85.8	73	128			

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: 11/21/2008

Work Order Number 0811359 | Received by: TLS

Checklist completed by: _____ 11/21/08 | Sample ID labels checked by: _____

Signature | Date | 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?	6°	*<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

Mailing 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 #: HUERFANO #310

Project Manager: MARTIN NEE

Sampler: KURT

On Ice: ☒ Yes ☐ No

Sample Temperature: (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0811365	BTEX + ~~MTBE + TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8015 M GRO-DRO	Chlorides 300.0			Air Bubbles (Y or N)
11/20	11:45	Soil	HUERFANO #310 RESERVE PIT	(2) 4oz JARS	ON ICE	-2	X			X								X	X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/20	3:00	Kurt Hoekstra			
Date:	Time:	Relinquished by:	Received by:	11/21/00	910

Remarks:
E-MAIL RESULTS TO:
KURT HOEKSTRA
KIM CHAMPLIN

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 notated on the analytical report

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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.: 0812366

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,

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	**Client Sample ID:**	Huerfano #310 Resample Reserve P
Lab Order:	0812366	**Collection Date:**	12/15/2008 11:15:00 AM
Project:	Reserve Pit Samples	**Date Received:**	12/18/2008
Lab ID:	0812366-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	30	3.0		mg/Kg	10	12/22/2008 4:35:15 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:** 0812366

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 0812366 | Received by: TLS

Checklist completed by: _____ 12/18/08 | Sample ID labels checked by: TJ

Signature | Date | 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?	1°	*<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 #: HUERFANO #310
RE-SAMPLE RESERVE PIT

Project Manager: MARTIN NEE

Sampler: KURT

On Ice: ☒ Yes ☐ No

Sample Temperature: 4°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 081366	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLORIDES 300.0				Air Bubbles (Y or N)
12/15	11:15	HUERFANO #310 RESAMPLE RESERVE PIT	(1) 4oz JAR	ON ICE	1												X				

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Remarks:
12-17	7:30	Kurt Hoekstra	12/18/08 915	E-MAIL RESULTS TO: KURT HOEKSTRA KIM CHAMPLIN
Date:	Time:	Relinquished by:	Received by:	

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 notated on the analytical report.

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

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

Form C-103
June 19, 2008

WELL API NO. 30-045-34562-00S1

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name: Huerfano Unit

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

8. Well Number: #310

2. Name of Operator: XTO Energy Inc

9. OGRID Number: 5380

3. Address of Operator: 382 County Road 3100 Aztec, NM 87410

10. Pool name or Wildcat: Basin Dakota

4. Well Location
Unit Letter O : 850 feet from the South line and 1720 feet from the East line
Section 9 Township 25N Range 9W NMPM County San Juan

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

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: Seed Temporary 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 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 7, 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 Canscens)	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: June 30, 2008 Rig Release Date: September 04, 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 Mgr. DATE 12/01/2009

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: Huerfano unit #310 **API No.:** 3004534562

Legals: **Sec:** 9O **Township:** 25N **Range:** 9W

Inspector's Name	Inspection Date	Any visible liner breeches (Y/N)	Any fluid seeps/ spills (Y/N)	HC's on top of temp. pit (Y/N)	Temp. pit free of misc solid waste/ debris (Y/N)	Discharg line integrity (Y/N)	Fence integrity (Y/N)	Any dead wildlife/stock (Y/N)	Freeboard Est. (ft)
D.Romango	8/29/2008	N	N	N	Y	Y	Y	N	18'
D.Romango	8/30/2008	N	N	N	Y	Y	Y	N	18'
D.Romango	8/31/2008	N	N	N	Y	Y	Y	N	18'
D.Romango	9/1/2008	N	N	N	Y	Y	Y	N	17'
D.Romango	9/2/2008	N	N	N	Y	Y	Y	N	+\-16'
D.Elrod	9/3/2008	N	N	N	Y	Y	Y	N	+\-15'
D.Elrod	9/4/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	9/24/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	10/1/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	10/8/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	10/15/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	10/22/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	10/29/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	11/5/2008	N	N	N	Y	Y	Y	N	+\-12'
M. Hartsell	11/12/2008	N	N	N	Y	Y	Y	N	+\-12'

Notes: Provide Detailed Description: Liner had no holes after rig move

Misc:

TEMPORARY PIT INSPECTION FORM

Well Name: Huerfano unit #310 **API No.:** 3004534562

Legals: **Sec:** 9O **Township:** 25N **Range:** 9W

Inspector's Name	Inspection Date	Any visible liner breeches (Y/N)	Any fluid seeps/ spills (Y/N)	HC's on top of temp. pit (Y/N)	Temp. pit free of misc solid waste/ debris (Y/N)	Discharg line integrity (Y/N)	Fence integrity (Y/N)	Any dead wildlife/stock (Y/N)	Freeboard Est. (ft)
M. Hartsell	11/19/2008	N	N	N	Y	Y	Y	N	18'
M. Hartsell	11/26/2008	N	N	N	Y	Y	Y	N	18'
M. Hartsell	12/3/2008	N	N	N	Y	Y	Y	N	18'
M. Hartsell	12/10/2008	N	N	N	Y	Y	Y	N	+\-2'
M. Hartsell	12/17/2008	N	N	N	Y	Y	Y	N	+\-2'
M. Hartsell	12/24/2008	N	N	N	Y	Y	Y	N	+\-2'
M. Hartsell	12/31/2008	N	N	N	Y	Y	Y	N	+\-2'
M. Hartsell	1/9/2009	N	N	N	Y	Y	Y	N	+\-2'

Notes: Provide Detailed Description: Liner had no holes after rig move

Pit had been stabilized in December so final inspection was January 9, 2009

Misc:

Huerfano Unit 310