

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

**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.

Operator <u>Lucerne Corp c/o XTO Energy Inc</u>		OGRID # _____
Address <u>#382 County Road 3100, Aztec, NM 87410</u>		
Facility or well name <u>OH Randell #1</u>		
API Number <u>30-045-05959</u>		OCD Permit Number _____
U/L or Qtr/Qtr <u>A</u>	Section <u>10</u>	Township <u>26N</u> Range <u>11W</u> County <u>San Juan</u>
Center of Proposed Design Latitude <u>36 50696</u>		Longitude <u>107 98546</u> NAD <input type="checkbox"/> 1927 <input checked="" type="checkbox"/> 1983
Surface Owner <input checked="" type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Tribal Trust or Indian Allotment		

<input checked="" type="checkbox"/> Pit: Subsection F or G of 19 15 17 11 NMAC	
Temporary <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Workover	
<input type="checkbox"/> Permanent <input type="checkbox"/> Emergency <input type="checkbox"/> Cavitation <input checked="" type="checkbox"/> P&A (as per Justin Nederhoser)	
<input checked="" type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type Thickness <u>20</u> mil <input checked="" type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
<input checked="" type="checkbox"/> String-Reinforced	
Liner Seams <input checked="" type="checkbox"/> Welded <input checked="" type="checkbox"/> Factory <input type="checkbox"/> Other _____	Volume _____ bbl Dimensions L <u>100</u> x W <u>50</u> x D <u>8-12</u>

RCVD DEC 13 '11

OIL CONS. DIV.

DIST. 3

<input checked="" type="checkbox"/> Closed-loop System: Subsection H of 19 15 17 11 NMAC	
Type of Operation <input type="checkbox"/> P&A <input checked="" type="checkbox"/> Drilling a new well <input type="checkbox"/> Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) To be used during completion operations	
<input type="checkbox"/> Drying Pad <input checked="" type="checkbox"/> Above Ground Steel Tanks <input type="checkbox"/> Haul-off Bins <input type="checkbox"/> Other _____	
<input type="checkbox"/> Lined <input type="checkbox"/> Unlined Liner type Thickness _____ mil <input type="checkbox"/> LLDPE <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____	
Liner Seams <input type="checkbox"/> Welded <input type="checkbox"/> Factory <input type="checkbox"/> Other _____	

<input type="checkbox"/> Below-grade tank: Subsection I of 19 15 17 11 NMAC	
Volume _____ bbl	Type of fluid _____
Tank Construction material _____	
<input type="checkbox"/> Secondary containment with leak detection <input type="checkbox"/> Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
<input type="checkbox"/> Visible sidewalls and liner <input type="checkbox"/> Visible sidewalls only <input type="checkbox"/> Other _____	
Liner type Thickness _____ mil	<input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other _____

RCVD AUG 2 '11

OIL CONS. DIV.
DIST. 3

<input type="checkbox"/> Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	

32

6
Fencing: Subsection D of 19 15 17 11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)
☐ Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate Please specify _____

7.
Netting: Subsection E of 19 15 17 11 NMAC (*Applies to permanent pits and permanent open top tanks*)
☐ Screen ☐ Netting ☐ Other _____
☐ Monthly inspections (If netting or screening is not physically feasible)

8
Signs: Subsection C of 19 15 17 11 NMAC
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
☒ Signed in compliance with 19 15 3 103 NMAC

9
Administrative Approvals and Exceptions:
Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance
Please check a box if one or more of the following is requested, if not leave blank:
☒ Administrative approval(s) Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval Fencing- Hogwire
☐ Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

10
Siting Criteria (regarding permitting): 19 15 17 10 NMAC
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.

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

11

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC
- ☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9 NMAC
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
- ☒ Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
- ☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC

☐ Previously Approved Design (attach copy of design) API Number _____ or Permit Number _____

12

Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17 9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19 15 17 10 NMAC
- ☒ Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
- ☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC

☐ Previously Approved Design (attach copy of design) API Number _____

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

13

Permanent Pits Permit Application Checklist: Subsection B of 19 15 17 9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
- ☐ Nuisance or Hazardous Odors, including 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 identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

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

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☒ No

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

- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

17

Siting Criteria (regarding on-site closure methods only): 19 15 17 10 NMAC

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

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

18

On-Site Closure Plan Checklist: (19 15 17 13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 11 NMAC
☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 11 NMAC
☒ Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC
☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17 13 NMAC
☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC
☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC
☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC
☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC

19

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief

Name (Print) Malia Villers Title Permitting TechSignature Malia Villers Date 7/26/2011e-mail address: malia_villers@xtoenergy.com Telephone (505) 333-3100

20

OCD Approval: ☒ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)OCD Representative Signature: Jonathan D. Kelly Approval Date: 8/02/2011Title: Compliance Officer OCD Permit Number: 12/19/2011

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: 10/20/11

22

Closure Method:☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain

23

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

Disposal Facility Name _____ Disposal Facility Permit Number _____

Disposal Facility Name _____ Disposal Facility Permit Number _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

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

- ☐
- Site Reclamation (Photo Documentation)
-
- ☐
- Soil Backfilling and Cover Installation
-
- ☐
- Re-vegetation Application Rates and Seeding Technique

24

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

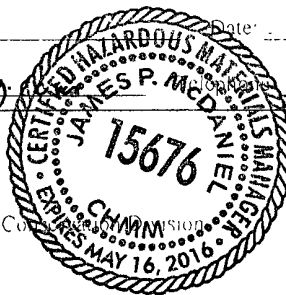
- ☒
- Proof of Closure Notice (surface owner and division)
-
- ☐
- Proof of Deed Notice (required for on-site closure)
-
- ☒
- Plot Plan (for on-site closures and temporary pits)
-
- ☒
- Confirmation Sampling Analytical Results (if applicable)
-
- ☒
- Waste Material Sampling Analytical Results (required for on-site closure)
-
- ☒
- Disposal Facility Name and Permit Number
-
- ☒
- Soil Backfilling and Cover Installation
-
- ☒
- Re-vegetation Application Rates and Seeding Technique
-
- ☒
- Site Reclamation (Photo Documentation)

On-site Closure Location Latitude 36.50697 Longitude -107.985289 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) James McDaniel, CHMM #15676 Title EHS SupervisorSignature James McDaniel Date 12/6/11e-mail address James.McDaniel@xtoenergy.com 505-333-3701

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Lucerne Corp. c/o XTO Energy, Inc.	Contact: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: #1 OH Randel (30-045-05959)	Facility Type: Inactive Well

Surface Owner: Federal	Mineral Owner:	Lease No.: NMNM-03153
------------------------	----------------	-----------------------

LOCATION OF RELEASE

Unit Letter A	Section 10	Township 26N	Range 11W	Feet from the 990	North/South Line FNL	Feet from the 990	East/West Line FEL	County San Juan
------------------	---------------	-----------------	--------------	----------------------	-------------------------	----------------------	-----------------------	--------------------

Latitude: 36.50696 Longitude: -107.98546

NATURE OF RELEASE

Type of Release: None	Volume of Release: NA	Volume Recovered: NA
Source of Release: None	Date and Hour of Occurrence: NA	Date and Hour of Discovery: NA
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The drill pit at the #1 O H Randel was closed on 10/24/2011. A composite sample was collected from the pit pre-stabilization on October 13, 2011, and analyzed for the constituents listed in the 'pit rule'. The sample returned results below the 2500 ppm TPH standard, the 500 ppm DRO/GRO standard, the and the 50 ppm total BTEX standard, but above the 500 ppm total chloride standard at 1,100 ppm and above the 0.2 ppm benzene standard at 0.7 ppm. After the contents of the drill pit had been stabilized, an additional composite sample was collected on October 20, 2011 from the drill pit. The sample was analyzed for chlorides, and returned results below the 500 ppm regulatory standard. An additional composite sample was collected on December 7, 2011 and analyzed for BTEX, returning results below the 0.2 ppm standard. The contents of the drill pit were buried in place.

Describe Area Affected and Cleanup Action Taken.*

No release has occurred at this location

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature:

Printed Name James McDaniel, CHMM #15676

Title: EH&S Supervisor

E-mail Address: James_McDaniel@xtoenergy.com

Date: 12/9/2011

Phone: 505-333-3701

Approved by District Supervisor:

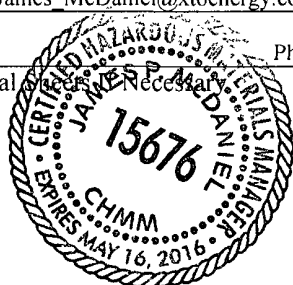
Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional



XTO Energy Inc. San Juan Basin Closure Report

Lease Name: #1 O H Randel

API No.: 30-045-05959

Description: Unit A, Section 10, Township 26N, Range 11W, San Juan County, NM

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

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

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

Fluids were pulled from the reserve pit on October 12, 2011 and 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 2, 2011.

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

The surface owner was notified of on-site burial by email, July 26, 2011(attached), and on October 17, 2011, 2011 (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 October 10, 2011. Pit closed October 24, 2011.

5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
 - i. Operator's Name
 - ii. Well Name and API Number
 - iii. Location by Unit Letter, Section, Township, Range

Notification was sent to the Aztec Office of the OCD on October 17, 2011. Closure activities began on October 20, 2011.

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 track-hoe. Pit contents were mixed with non-waste, earthen material to a consistency that was deemed safe and stable. The mixing ratio did not exceed 3 parts clean soil to 1 part pit contents.

7. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.

Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting liner at mud level and removing all remaining liner. Care was taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner was disposed of at a licensed disposal facility, (San Juan County Landfill).

8. A five point composite sample will be taken using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e. dig and haul. Disposal facilities to be utilized should this method be required will be Envirotech, Permit No. NM01-0011 or IEI, Permit No. NM01-0010B

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

Components	Test Method	Limit (mg/Kg)	Results (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2	0.7 (pre) - < 0.0009 (post)
BTEX	EPA SW-846 8021B or 8260B	50	0.70
TPH	EPA SW-846 418.1	2500	110
GRO/DRO	EPA SW-846 8015M	500	34
Chlorides	EPA 300.1	1000 or background	1100 (pre) – 240 (post)

9. Upon completion of solidification and testing, the pit area will be backfilled with compacted, non-waste containing earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

Upon completion of solidification and testing, the pit area was backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover was achieved and the cover included one foot of background topsoil suitable for establishing vegetation at the site or natural levels, whichever was greater. Backfill and cover were placed to match existing grade.

10. Re-contouring of the location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, ponding prevention, and erosion prevention. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with a smooth surface, fitting the natural landscape.

Re-contouring of location matches fit, shape, line, form and texture of the surrounding area. Re-shaping of the location included drainage control, ponding prevention, and erosion prevention. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final re-contour has a uniform appearance with smooth surface, fitting the natural landscape.

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

A C-103 is attached to this report. The site was reseeded using the BLM -10 seed mixture on November 19, 2011.

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.

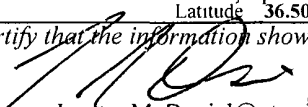
Notification via C-103 will be sent to OCD when the reclaimed area successfully achieves re-vegetation for two successive growing seasons.

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 was located with a steel marker 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 the operator's information. The marker was set in a way to not impede reclamation activities. The operator's information includes the following: XTO Energy Inc., O H Randel #1, Sec. 10(A)-T26N-R11W "In Place Burial".

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

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

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. 30-045-05959 2 Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN 3 State Oil & Gas Lease No NMNM-03153								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4 Reason for filing. <input type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <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)		5 Lease Name or Unit Agreement Name O H Randel 6 Well Number 1								
7. Type of Completion <input type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input checked="" type="checkbox"/> OTHER Plugging Historical Well per BLM Request										
8 Name of Operator XTO Energy, Inc.		9 OGRID 5380								
10. Address of Operator 382 County Road 3100 Aztec, New Mexico 87410 505-333-3100		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:										
BH:										
13 Date Spudded	14 Date T D Reached	15. Date Rig Released 10/10/2011		16 Date Completed (Ready to Produce)			17. Elevations (DF and RKB, RT, GR, etc)			
18. Total Measured Depth of Well		19 Plug Back Measured Depth		20. Was Directional Survey Made?			21 Type Electric and Other Logs Run			
22 Producing Interval(s), of this completion - Top, Bottom, Name										
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 (<i>Flowing, gas lift, pumping - Size and type pump</i>)				Well Status (<i>Prod or Shut-in</i>)				
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio			
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (<i>Corr.</i>)				
29 Disposition of Gas (<i>Sold, used for fuel, vented, etc</i>)							30. Test Witnessed By			
31. List Attachments										
32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit attached										
33 If an on-site burial was used at the well, report the exact location of the on-site burial. Latitude 36.50697 Longitude -107.985289 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: James McDaniel Title: EH&S Supervisor										
E-mail Address James.McDaniel@xtoenergy.com					Date: 12/6/2011					

INSTRUCTIONS

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

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

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

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....

No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

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

No. 1, from.....to.....feet.....

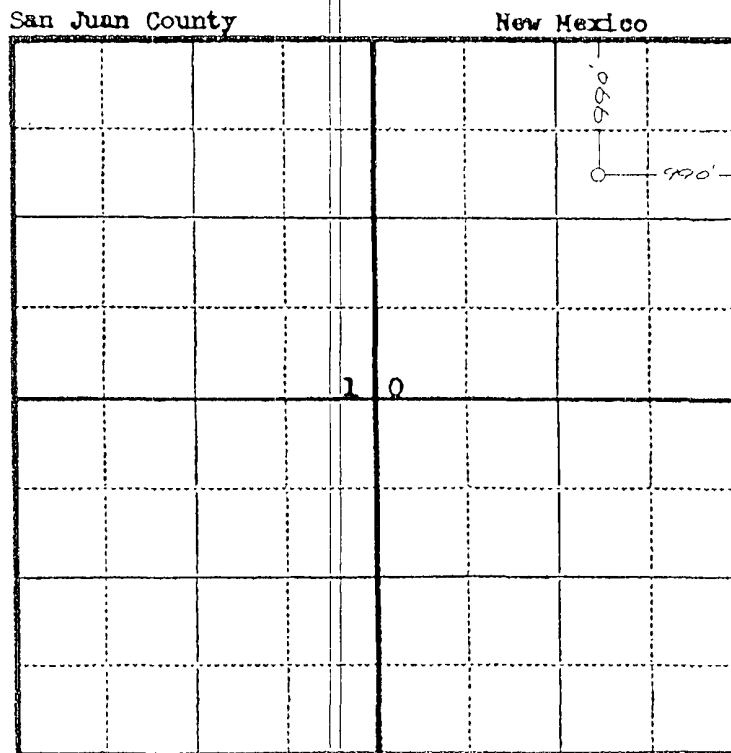
No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

Company..... Lucerne & Miloco
Lease..... O. H. Randell Well No. 1
Sec. 10 T. 26 N. R. 11 W. N.M.P.M.
Location..... 990' from the North line and 990' from
the East line.



Scale—4 inches equals 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal.

Charles J. Finklea
Registered Professional Engineer and Land Surveyor. Charles J. Finklea
N. Mex. Reg. No. 1302

Surveyed May 20 , 1952

PROPOSED PIT PLACEMENT

Well Name	OH Randell #1 - Lucerne Corp
Field	San Juan
Section	NENE Sec 10 (A), T26N, R11W
API #	30-045-05959



200'



100'

PIT

50'

RCVD AUG 2 '11
OIL CONS. DIV.
DIST. 3

190'



COVER LETTER

Thursday, October 20, 2011

James McDaniel
XTO Energy
382 County Road 3100
Aztec, NM 87410

TEL: (505) 333-3100
FAX (505) 333-3280

RE: #1 OH Randell

Order No.: 1110746

Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 10/14/2011 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. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

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

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682

Andy Freeman
Laboratory Manager

Hall Environmental Analysis Laboratory, Inc.

Date: 20-Oct-11

Analytical Report

CLIENT: XTO Energy
Lab Order: 1110746
Project: #1 OH Randell
Lab ID: 1110746-01

Client Sample ID: Pit Composite
Collection Date: 10/13/2011 10:23:00 AM
Date Received: 10/14/2011
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JB
Diesel Range Organics (DRO)	14	10		mg/Kg	1	10/14/2011 1:17:23 PM
Surr: DNOP	155	73.4-123	S	%REC	1	10/14/2011 1:17:23 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	20	5.0		mg/Kg	1	10/14/2011 12:40:20 PM
Surr: BFB	100	75.2-136		%REC	1	10/14/2011 12:40:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	0.70	0.050		mg/Kg	1	10/14/2011 12:40:20 PM
Toluene	ND	0.050		mg/Kg	1	10/14/2011 12:40:20 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/14/2011 12:40:20 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/14/2011 12:40:20 PM
Surr: 4-Bromofluorobenzene	95.6	80-120		%REC	1	10/14/2011 12:40:20 PM
EPA METHOD 300.0: ANIONS						Analyst: SRM
Chloride	1100	75		mg/Kg	50	10/14/2011 3:17:38 PM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	110	21		mg/Kg	1	10/14/2011

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: #1 OH Randell

Work Order: 1110746

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB-28904		MBLK				Batch ID: 28904		Analysis Date: 10/14/2011 2:08:00 PM			
Chloride	ND	mg/Kg	1.5								
Sample ID: LCS-28904		LCS				Batch ID: 28904		Analysis Date: 10/14/2011 2:25:25 PM			
Chloride	14.22	mg/Kg	1.5	15	0	94.8	90	110			
Method: EPA Method 418.1: TPH											
Sample ID: MB-28900		MBLK				Batch ID: 28900		Analysis Date: 10/14/2011			
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-28900		LCS				Batch ID: 28900		Analysis Date: 10/14/2011			
Petroleum Hydrocarbons, TR	98.20	mg/Kg	20	100	8	90.2	87.8	115			
Sample ID: LCSD-28900		LCSD				Batch ID: 28900		Analysis Date: 10/14/2011			
Petroleum Hydrocarbons, TR	100.8	mg/Kg	20	100	8	92.8	87.8	115	2.61	8.04	
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-28901		MBLK				Batch ID: 28901		Analysis Date: 10/14/2011 10:57:19 AM			
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Sample ID: LCS-28901		LCS				Batch ID: 28901		Analysis Date: 10/14/2011 11:32:16 AM			
Diesel Range Organics (DRO)	55.57	mg/Kg	10	50	0	111	66.7	119			
Method: EPA Method 8021B: Volatiles											
Sample ID: 1110746-01A MSD		MSD				Batch ID: R48420		Analysis Date: 10/15/2011 1:21:06 AM			
Benzene	8.183	mg/Kg	0.050	8.108	0.6965	92.3	67.2	113	5.60	14.3	
Toluene	7.577	mg/Kg	0.050	8.108	0	93.5	62.1	116	5.81	15.9	
Ethylbenzene	8.038	mg/Kg	0.050	8.108	0	99.1	67.9	127	3.04	14.4	
Xylenes, Total	24.28	mg/Kg	0.10	24.32	0	99.8	60.6	134	3.20	12.6	
Sample ID: 1110746-01A MS		MS				Batch ID: R48420		Analysis Date: 10/15/2011 12:51:11 AM			
Benzene	7.737	mg/Kg	0.050	8.108	0.6965	86.8	67.2	113			
Toluene	7.149	mg/Kg	0.050	8.108	0	88.2	62.1	116			
Ethylbenzene	7.797	mg/Kg	0.050	8.108	0	96.2	67.9	127			
Xylenes, Total	23.52	mg/Kg	0.10	24.32	0	96.7	60.6	134			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY


Date Received:

10/14/2011

Work Order Number 1110746

Received by: AT

Checklist completed by:



Sample ID labels checked by:


Initials

Signature

Date

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?

2.0°

<6° C Acceptable

If given sufficient time to cool.

Number of preserved
bottles checked for
pH:

<2 >12 unless noted
below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record		Turn-Around Time:
Client: <u>XTO</u>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>SAME 10/14</u> NEXT DAY	
Mailing Address: <u>382 ROAD 3100</u> <u>ARTZEC, NM</u>	Project Name: <u>#1 OH RANDELL</u>	
Phone #: <u>505-787-0515</u>	Project #: <u>PIT COMPOSITE</u>	
email or Fax#: <u>james_mcdaniel@xenergy.com</u>	Project Manager: <u>JAMES McDANIEL</u>	
QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		
Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other _____	Sampler: <u>BRAD GRIFFIN</u> On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type) _____	Sample Temperature: <u>30</u>	

☐ Standard

Rush-

★ Rush ~~day~~ DAY

#1 OH RANDELL

PIT COMPOSITE

JAMES McDANIEL

Sampler: BRAD GRIFFIN

On Ice: ☒ Yes ☐ No

Sample Temperature _____

Container Type and #	Preservative Type
-------------------------	----------------------

HEAL No

110746

—

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, NO₃)

8081 Pesticides / 8082 PCB's

8260B (VO)

0270 (301) 70070

100-111160) 2/79

CITIZENS

Air Bubbles (Y or N)

1. Introduction

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/13	1200	B. L. G. [Signature]	Christine [Signature]	10/13/11	1200
Date:	Time:	Relinquished by:	Received by:	Date	Time
10/13/11	1300	Christine [Signature]	[Signature]	10/14/11	1000

Remarks:

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.



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

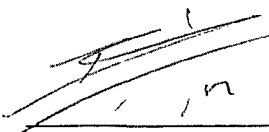
Client:	XTO	Project #:	98031-0528
Sample ID:	Pit Composite	Date Reported:	10-21-11
Laboratory Number:	60054	Date Sampled:	10-20-11
Chain of Custody No:	12802	Date Received:	10-20-11
Sample Matrix:	Soil	Date Extracted:	10-20-11
Preservative:	Cool	Date Analyzed:	10-20-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	


ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **#1 OH Randell/ Pit Composite**



Analyst



Review

**EPA Method 8015 Modified
 Nonhalogenated Volatile Organics
 Total Petroleum Hydrocarbons**

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	10-20-11 QA/QC	Date Reported:	10-21-11
Laboratory Number:	60022	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-20-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	10-20-11	1.012E+03	1.012E+03	0.04%	0 - 15%
Diesel Range C10 - C28	10-20-11	1.005E+03	1.006E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	4.5	0.2
Diesel Range C10 - C28	4.3	0.1


Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	342	339	1.0%	0 - 30%
Diesel Range C10 - C28	53.4	63.8	19.5%	0 - 30%

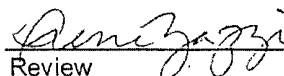
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	342	250	587	99.2%	75 - 125%
Diesel Range C10 - C28	50.5	250	310	103%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,
 SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 59999-60000, 60022-60023, 60044, 60048-60054


 Analyst


 Review

Chloride

Client:	XTO	Project #:	98031-0528
Sample ID:	Pit Composite	Date Reported:	10-21-11
Lab ID#:	60054	Date Sampled:	10-20-11
Sample Matrix:	Soil	Date Received:	10-20-11
Preservative:	Cool	Date Analyzed:	10-21-11
Condition:	Intact	Chain of Custody:	12802

Parameter	Concentration (mg/Kg)
-----------	-----------------------

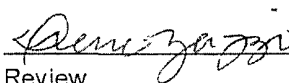
Total Chloride**240**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **#1 OH Randell / Pit Composite**



Analyst



Review

* RUSH *

CHAIN OF CUSTODY RECORD


12802

Client: GAMES XTO MEDANER			Project Name / Location: #10H RANDALL / PIT COMPOSITE				ANALYSIS / PARAMETERS													
Client Address: 382 ROAD 3100			Sampler Name: BRAD GRIFFITH				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 787-0515			Client No.: 98031-0528																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H ₂ O ₂ HCl														
PIT COMPOSITE	10/20	1508	60054	Soil Solid	2	402													X	X
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
				Soil Solid																
Relinquished by: (Signature) BLG/HK						Date 10/20	Time 1625	Received by: (Signature) JMM Winters						Date 10-20	Time 11:25					
Relinquished by: (Signature)								Received by: (Signature)												
Relinquished by: (Signature)								Received by: (Signature)												

RUSH!!!

NEXT DAY

10/21



envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

**EPA METHOD 8021
 AROMATIC VOLATILE ORGANICS**

Client:	XTO	Project #:	98031-0528
Sample ID:	P & A	Date Reported:	12-08-11
Laboratory Number:	60555	Date Sampled:	12-07-11
Chain of Custody:	13026	Date Received:	12-07-11
Sample Matrix:	Soil	Date Analyzed:	12-08-11
Preservative:	Cool	Date Extracted:	12-07-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	2.8	1.2
o-Xylene	2.4	0.9
Total BTEX	5.2	

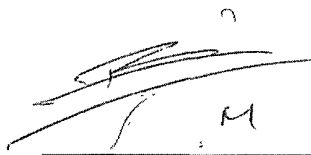
ND - Parameter not detected at the stated detection limit.

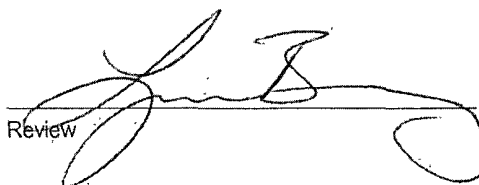
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	84.8 %
	1,4-difluorobenzene	92.1 %
	Bromochlorobenzene	82.3 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: #1 OH Randell


 Analyst


 Review

Client:	N/A	Project #:	N/A
Sample ID:	1208BBLK QA/QC	Date Reported:	12-08-11
Laboratory Number:	60555	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-08-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	2.2094E+007	2.2138E+007	0.2%	ND	0.1
Toluene	2.2372E+007	2.2417E+007	0.2%	ND	0.1
Ethylbenzene	1.9610E+007	1.9649E+007	0.2%	ND	0.1
p,m-Xylene	4.8996E+007	4.9095E+007	0.2%	ND	0.1
o-Xylene	1.8120E+007	1.8156E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	2.8	2.5	10.7%	0 - 30%	1.2
o-Xylene	2.4	2.3	4.2%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	402	80.5%	39 - 150
Toluene	ND	500	402	80.4%	46 - 148
Ethylbenzene	ND	500	408	81.5%	32 - 160
p,m-Xylene	2.8	1000	827	82.5%	46 - 148
o-Xylene	2.4	500	414	82.3%	46 - 148

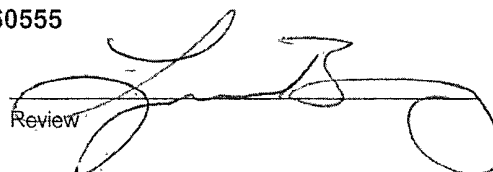
ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

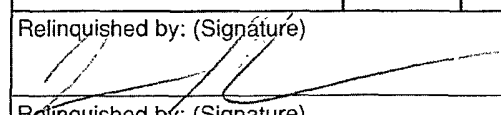
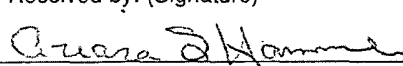
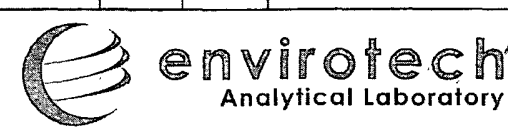
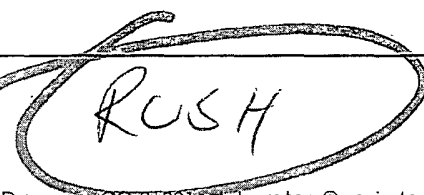
Comments: **QA/QC for Samples 60463-60472 and 60555**


 Analyst


 Review

CHAIN OF CUSTODY RECORD

13026

Client: XTO			Project Name / Location: #1 OH RANDELL			ANALYSIS / PARAMETERS																																													
Email results to:			Sampler Name: JOSH KIRCHNER			<table border="1" style="width:100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td>TPH (Method 8015)</td> <td>BTEX (Method 8021)</td> <td>VOC (Method 8260)</td> <td>RCRA 8 Metals</td> <td>Cation / Anion</td> <td>RCI</td> <td>TCLP with H/P</td> <td>CO Table 910-1</td> <td>TPH (418.1)</td> <td>CHLORIDE</td> <td></td> <td></td> <td></td> <td></td> <td>Sample Cool</td> <td>Sample Intact</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Y</td> <td>Y</td> </tr> </table>														TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact															Y	Y
TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI															TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE					Sample Cool	Sample Intact																						
														Y	Y																																				
Client Phone No.: 787 0519			Client No.: 60555 98031-0528																																																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH	BTEX	VOC	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact																														
					HgCl ₂	HCl																																													
P3A	12-7-11	085	60555	1	4oz																																														
Relinquished by: (Signature) 				Date	Time	Received by: (Signature) 				Date	Time																																								
Relinquished by: (Signature)						Received by: (Signature)																																													
Sample Matrix																																																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																																																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.				 																																															



Malia Villers/FAR/CTOC

07/26/2011 03:49 PM

To: Mark Kelly

cc:

bcc:

Subject: OH Randell #1

RE: Randell #1

Sec: 10 (A) T26N-R11W, San Juan County

Dear Mr. Kelly,

This submittal is pursuant to Rule 19.15.1/ 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 burial.

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

Malia Villers

XTO Energy - a subsidiary of ExxonMobil

Office: 505-333-3698

Cell: 505-787-7700

Fax: 505-333-3284

malia_villers@xtoenergy.com



James McDaniel /FAR/CTOC

10/17/2011 04:42 PM

To brandon.powell@state.nm.us

cc

bcc

Subject 1 OH Randel Drill Pit Closure Notification

Brandon,

Please accept this email as the required notification to begin closure activities at a drill pit at the 1 OH Randel well site (api 30-045-05959) located in Section 10, Township 26N, Range 11E, San Juan County, New Mexico. Thank you for your time in regards to this matter.



James McDaniel, CHMM #15676

EH&S Supervisor

XTO Energy, Inc.

Office # 505-333-3701

Cell # 505-787-0519

James.Mcdaniel@xtoenergy.com



James McDaniel /FAR/CTOC
10/17/2011 04:44 PM

To Mark_Kelly@blm.gov

cc

bcc

Subject 1 OH Randell Drill Pit Closure

Mark,

Please accept this email as the required notification to begin closure activities at a drill pit at the 1 OH Randell well site (api 30-045-05959) located in Section 10, Township 26N, Range 11E, San Juan County, New Mexico. Thank you for your time in regards to this matter.



James McDaniel, CHMM #15676

EH&S Supervisor

XTO Energy, Inc.

Office # 505-333-3701

Cell # 505-787-0519

James.Mcdaniel@xtoenergy.com

[illegible]

Well Name: #1 OH Randell

API No.: 30-045-05959

Legals: **Sec:** 10 A

Township: 26 N

Range:	11 W
--------	------

Lat:36° 30' 25.0554" N Long: 107° 59' 7.656" W

[illegible]

Notes:	Provide Detailed Description:	1) Pit ready for closure.
---------------	-------------------------------	---------------------------

Misc:

[illegible]

API No.: 30-045-05959

Sec: 10

Township: 26N

Range: 114

[illegible]

Notes:

Provide Detailed Description:

Misc:

Kelly Nix w/BLM on Location During AH
No OCD rep present.

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
October 13, 2009

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

WELL API NO. 30-045-05959
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NMNM- 03153
7. Lease Name or Unit Agreement Name O H Randel
8. Well Number 1
9. OGRID Number 5380
10. Pool name or Wildcat

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

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

2. Name of Operator **XTO Energy, Inc.**

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

4. Well Location
Unit Letter **A** : **990** feet from the **North** line and **990** feet from the **East** line
Section **10** Township **26N** Range **11W** NMPM **San Juan** County

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:

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

OTHER: ☐

SUBSEQUENT REPORT OF:

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

OTHER: **Reseed Drill Pit Area** ☒

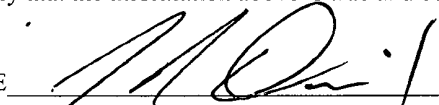
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

The reclaimed area was reseeded using the BLM -10 seed mix on 11/19/2011.

Spud Date: **5/24/1952 (Original)**
10/3/2011 (P&A)

Rig Release Date: **10/10/2011 (P&A)**

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

SIGNATURE  TITLE **EH&S Supervisor** DATE **12/6/2011**

Type or print name **James McDaniel** E-mail address: **James.McDaniel@xtoenergy.com** PHONE: **505-333-3701**
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____

XTO Energy, Inc.
#1 O H Randel
Section 10, Township 26N, Range 11W
Closure Date 10/24/2011

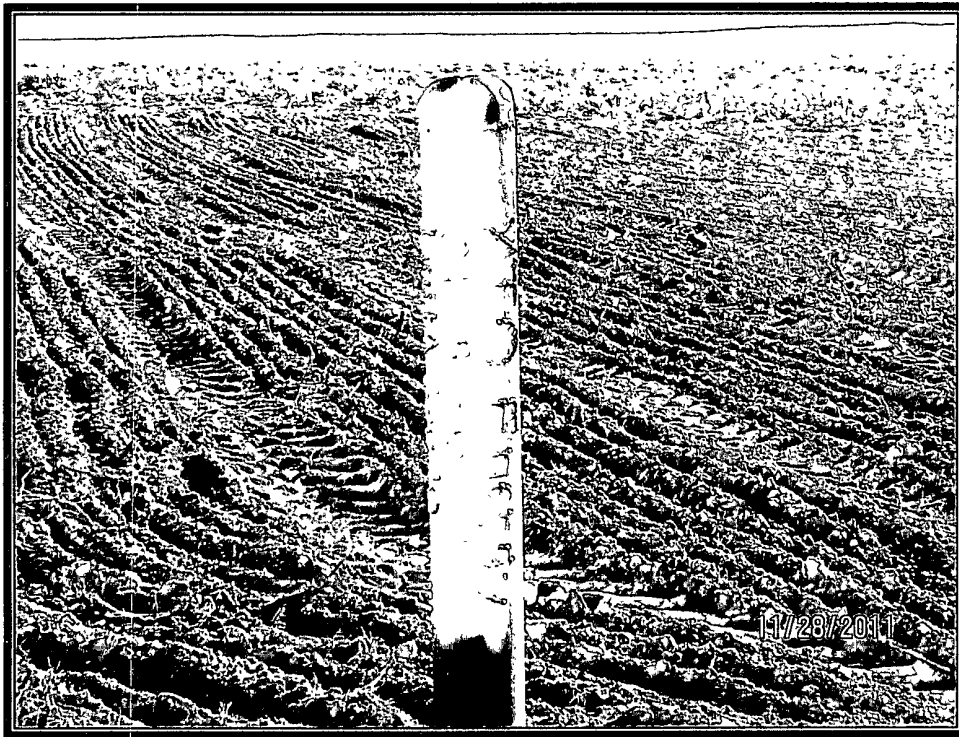


Photo 1: #1 O H Randel after Reclamation

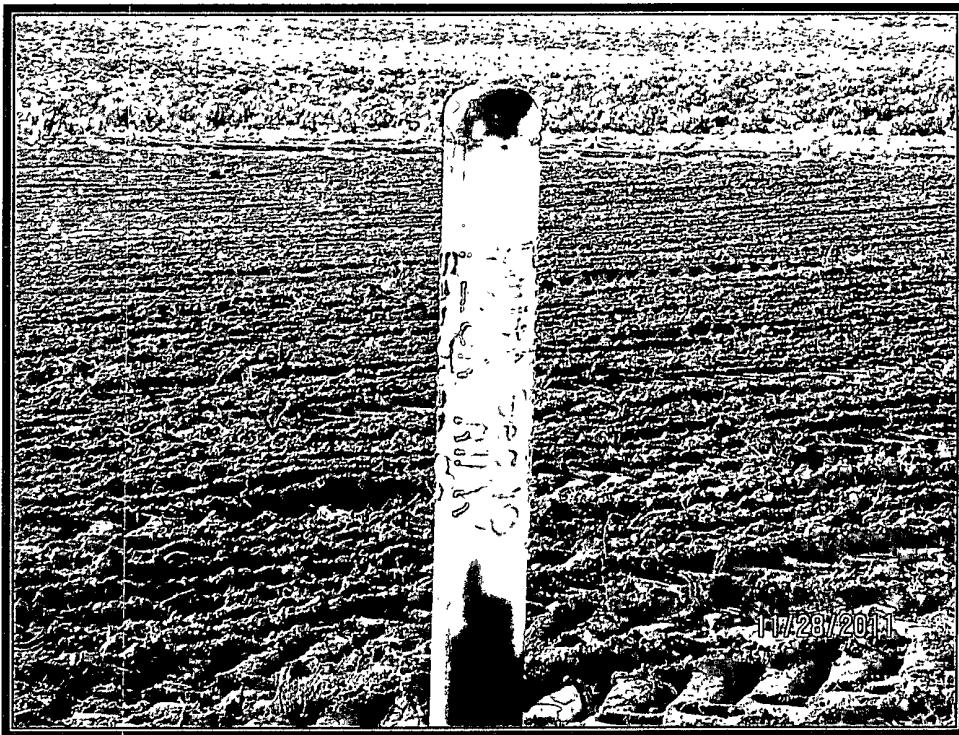


Photo 2: #1 O H Randel after Reclamation