

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.

4997

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.

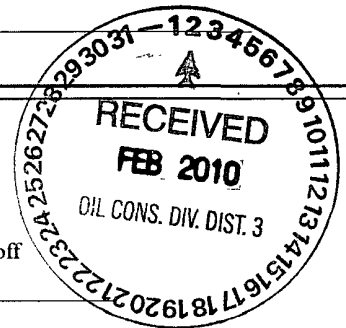
1.
Operator: XTO Energy, Inc. OGRID #: 5380
Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name: Hubbell Gas Com B #1F
API Number: 30-045-34490 OCD Permit Number: _____
U/L or Qtr/Qtr _____ Section 30 Township 28N Range 10W County: San Juan
Center of Proposed Design: Latitude 36.630968 Longitude 107.930466 NAD: ☐ 1927 ☒ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☒ Lined ☐ Unlined Liner type: Thickness 20 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☒ Factory ☐ Other _____ Volume: _____ bbl Dimensions: L 200 x W 60 x D 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 _____

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.	<p>Fencing: Subsection D of 19.15.17.11 NMAC (<i>Applies to permanent pits, temporary pits, and below-grade tanks</i>)</p> <p><input type="checkbox"/> Chain link, six feet in height, two strands of barbed wire at top (<i>Required if located within 1000 feet of a permanent residence, school, hospital, institution or church</i>)</p> <p><input type="checkbox"/> Four foot height, four strands of barbed wire evenly spaced between one and four feet</p> <p><input type="checkbox"/> Alternate. Please specify _____</p>																				
7.	<p>Netting: Subsection E of 19.15.17.11 NMAC (<i>Applies to permanent pits and permanent open top tanks</i>)</p> <p><input type="checkbox"/> Screen <input type="checkbox"/> Netting <input type="checkbox"/> Other _____</p> <p><input type="checkbox"/> Monthly inspections (If netting or screening is not physically feasible)</p>																				
8.	<p>Signs: Subsection C of 19.15.17.11 NMAC</p> <p><input type="checkbox"/> 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers</p> <p><input type="checkbox"/> Signed in compliance with 19.15.3.103 NMAC</p>																				
9.	<p>Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. <i>Please check a box if one or more of the following is requested, if not leave blank:</i></p> <p><input type="checkbox"/> Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.</p> <p><input type="checkbox"/> Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.</p>																				
10.	<p>Siting Criteria (regarding permitting): 19.15.17.10 NMAC</p> <p><i>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.</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%; padding: 5px;"> 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 </td> <td style="width: 20%; text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="padding: 5px;"> 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 </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="padding: 5px;"> 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 </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA </td> </tr> <tr> <td style="padding: 5px;"> 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 </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA </td> </tr> <tr> <td style="padding: 5px;"> 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 </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="padding: 5px;"> 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 </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="padding: 5px;"> Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="padding: 5px;"> Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="padding: 5px;"> Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> <tr> <td style="padding: 5px;"> Within a 100-year floodplain. - FEMA map </td> <td style="text-align: right; padding: 5px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </td> </tr> </table>	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
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																				
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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: _____ 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: June 11, 2009

22.
Closure Method:
☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

Required for impacted areas which will not be used for future service and operations:
☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

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

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

On-site Closure Location: Latitude 36.63094 Longitude 107.93041 NAD: ☐ 1927 ☒ 1983

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

Name (Print): Kim Champlin Title: EH&S Administrative Coordinator

Signature: *Kim Champlin* Date: 01/28/2010

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

Approved Brandell NMOC 2/16/10

XTO Energy Inc. San Juan Basin Closure Report

Lease Name: Hubbell Gas Com B #1F

API No.: 30-045-34490

Description: Sec. 30I-T28N-R10W

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 December 3 through December 19, 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 September 26, 2008.
 3. The surface owner shall be notified of XTO proposed closure plan using a means that provides proof of notice, i.e., Certified Mail, return receipt requested.
The surface owner was notified of XTO's proposed closure plan via email on August 28, 2008 and of on-site burial by certified mail, return receipt requested, April 9, 2009 (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 20, 2008. Pit closed June 11, 2009. Area seeded August 17, 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 (April 9, 2009 attached). Closure activity began April 12, 2009.**

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 3240 cubic yards of sandylome earthen material from the location was added to pit contents of 1080 cubic yards. The mixing ratio did not exceed 3 parts clean soil to 1 part pit contents. Solidification was completed April 16, 2009.

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

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

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

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

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	ND
BTEX	EPA SW-846 8021B or 8260B	50	ND
TPH	EPA SW-846 418.1	2500	830
GRO/DRO	EPA SW-846 8015M	500	210
Chlorides	EPA 300.1	500 or background	480

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 June 11, 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 August 17, 2009.

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

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

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

The temporary pit has been located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker includes a four foot tall riser welded around the base with the operator's information. The riser will be set in a way to not impede reclamation activities. The operator's information includes the following: XTO Energy Inc., Hubbell Gas Com B #1F, Sec.301-T28N-R10W "Pit Burial".

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

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

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. 30-045-34490
		2. Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN
		3. State Oil & Gas Lease No.
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
4. Reason for filing: <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 Hubbell Gas Com B
		6. Well Number: #1F
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER		
8. Name of Operator XTO Energy Inc.		9. OGRID 5380
10. Address of Operator 382 County Road 3100 Aztec, NM 87410		11. Pool name or Wildcat
12. Location	Unit Ltr	Section
Surface:	I	30
BH:		
Township	28N	Range
	10W	Lot
	3	Feet from the
	1780.	N/S Line
	S	Feet from the
	725	E/W Line
	E	County
		San Juan
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released
07/11/2008	10/19/2008	10/20/2008
16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)
12/03/2008		
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 36.63094 Longitude 107.93041 NAD 1927 1983		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief		
Signature	Printed Name	Title
<i>Kim Champlin</i>	Kim Champlin	EH&S Admin. Coordinator
E-mail Address	Date	
kim_champlin@xtoenergy.com	01/28/2010	

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

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

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

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, N.M. 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 HUBBELL GAS COM B	⁶ Well Number 1F
⁷ GRID No	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5962

¹⁰Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	30	28-N	10-W		1780	SOUTH	725	EAST	SAN JUAN

¹¹Bottom 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	LOT 1 42.31			FD 2 1/2" BC 1913 G.L.O.	17
	LOT 2 42.34				
		30			
	LOT 3 42.36		LAT: 36.63094° N. (NAD 83) LONG: 107.93041° W. (NAD 83) LAT: 36°37'51.4" N. (NAD 27) LONG: 107°55'47.2" W. (NAD 27)	725'	
	LOT 4 42.39			1780'	
			N 89-55-06 W 2641.25' (M)	FD 2 1/2" BC 1913 G.L.O.	

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.

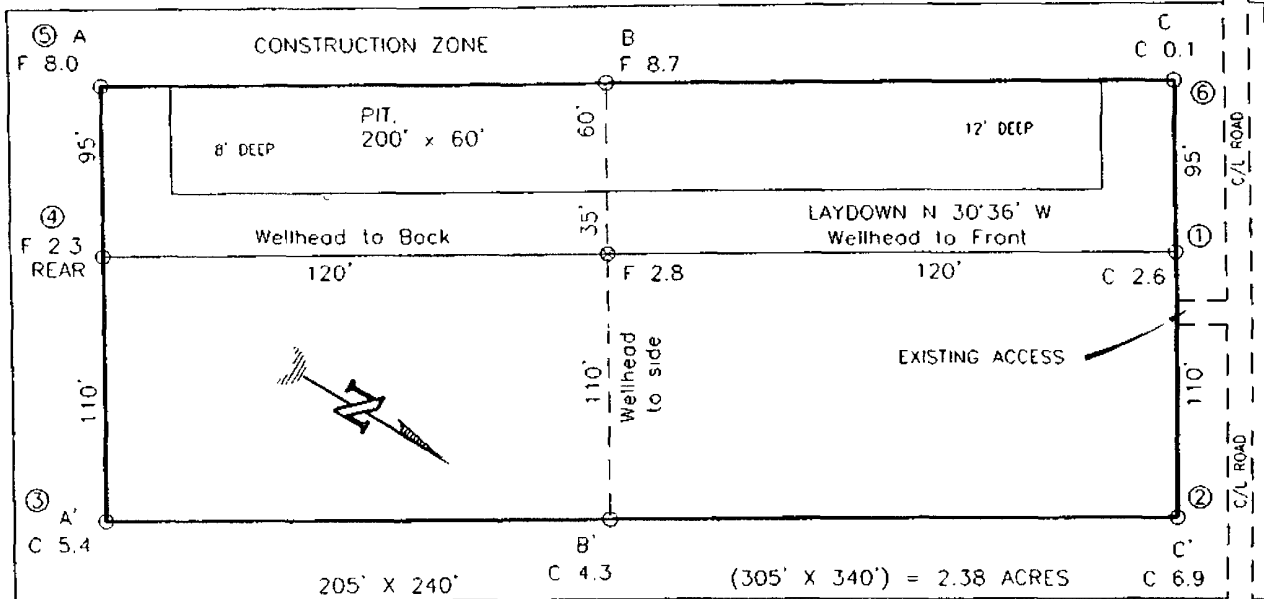
NOVEMBER 29, 2006
Date of Survey

Signature and Seal _____

Certificate Number _____

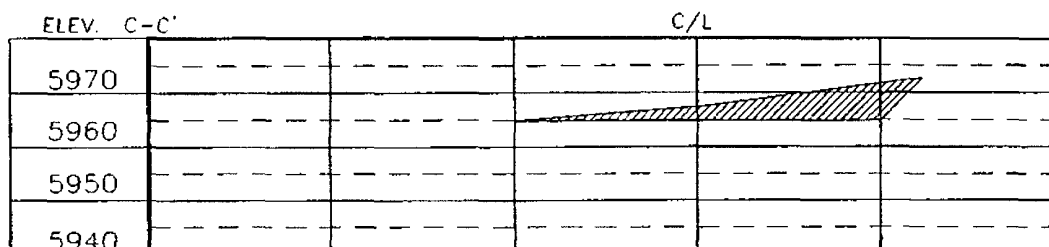
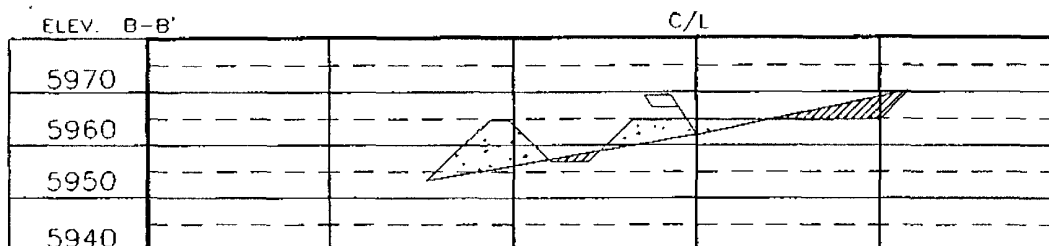
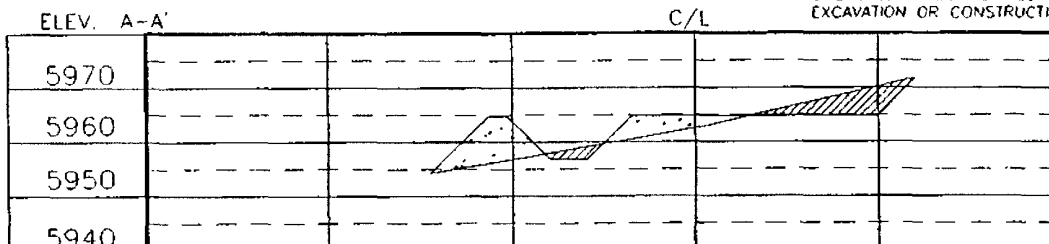
XTO ENERGY INC.
HUBBELL GAS COM B No. 1F, 1780 FSL 725 FEL
SECTION 30, T28N, R10W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 5962' DATE: NOVEMBER 20, 2006

NAD 83
LAT. = 36.63094° N
LONG. = 107.93041° W
NAD 27
LAT. = 36°37'51.4" N
LONG. = 107°55'47.2" 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.

REVISION	DATE	REVISED BY
<p>Daggett Enterprises, Inc. Surveying and Oil Field Services P. O. Box 15068 Farmington, NM 87401 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. No. 8894 CAPULE CR782 CFB</p>		
		<p>DRAWN BY: C.V. DATE: 4/25/07 ROW: CR782</p>



Kim Champlin/FAR/CTOC

08/28/2008 01:50 PM

To mark_kelly@blm.gov

cc

bcc

Subject Notice- Hubbell Gas Com B #1F Well Site

RE. Hubbell Gas Com B #1F Gas Well API 30-045-34490
Sec. 30I- T28N- R10W, 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



April 9, 2009

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

Regarding: Hubbell Gas Com B #1F Gas Well API #30-045-34490
Sec. 30I- T28N- R10W, 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,

A handwritten signature in cursive script that reads 'Kim Champlin'.

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

Cc: OCD
File

7004 2510 0005 9631 4636

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com
OFFICIAL USE

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



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

SENDER: 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 LaPlata Hwy
Farmington, N.M. 87401

Hubbell Gas Com B # 1F

2. Article Number (Transfer from service label) *7004 2510 0005 9631 4636*

A. Signature
[Signature] ☒ Agent ☐ Addressee
B. Received by (Printed Name) *[Signature]* C. Date of Delivery *04/12/09*

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes



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

04/09/2009 09:57 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 NOTICE

BRANDON,

THIS IS OUR 72 HOUR NOTICE TO SOLIDIFY PIT CONTENTS ON AN XTO WELL SITE.

HUBBLE GAS COM B #1F

TOWNSHIP 28N, RANGE 10W, SECTION 30 QUARTER SECTION SE
SAN JUAN COUNTY

THANK YOU,
STEPHANNE COATS
ROSENBAUM CONSTRUCTION
505-325-6367

COVER LETTER

Tuesday, April 07, 2009

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

TEL: (505) 333-3100

FAX (505) 333-3280

RE: Hubble Gas Com B#1F Reserve Pit Samples

Order No.: 0903358

Dear Martin Nee:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/24/2009 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: 07-Apr-09

CLIENT:	XTO Energy	Client Sample ID:	Hubble GC B#1F Reserve Pit Samp
Lab Order:	0903358	Collection Date:	3/20/2009 2:00:00 PM
Project:	Hubble Gas Com B#1F Reserve Pit Samples	Date Received:	3/24/2009
Lab ID:	0903358-01	Matrix:	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	210	10		mg/Kg	1	3/31/2009
Surr: DNOP	97.4	61.7-135		%REC	1	3/31/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	100		mg/Kg	20	3/30/2009 1:06:21 PM
Surr: BFB	95.0	58.8-123		%REC	20	3/30/2009 1:06:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	1.0		mg/Kg	20	3/30/2009 1:06:21 PM
Toluene	ND	1.0		mg/Kg	20	3/30/2009 1:06:21 PM
Ethylbenzene	ND	1.0		mg/Kg	20	3/30/2009 1:06:21 PM
Xylenes, Total	ND	2.0		mg/Kg	20	3/30/2009 1:06:21 PM
Surr: 4-Bromofluorobenzene	98.5	66.8-139		%REC	20	3/30/2009 1:06:21 PM
EPA METHOD 300.0: ANIONS						Analyst: TAF
Chloride	480	3.0		mg/Kg	10	4/5/2009 3:05:58 AM
EPA METHOD 418.1: TPH						Analyst: LRW
Petroleum Hydrocarbons, TR	830	20		mg/Kg	1	3/25/2009

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		

Page 1 of 1

QA/QC SUMMARY REPORT

Client: XTO Energy

Project: Hubble Gas Com B#1F Reserve Pit Samples

Work Order: 0903358

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB-18735		MBLK			Batch ID: 18735	Analysis Date: 4/4/2009 2:19:58 PM			
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-18735		LCS			Batch ID: 18735	Analysis Date: 4/4/2009 2:37:23 PM			
Chloride	15.23	mg/Kg	0.30	102	90	110			
Method: EPA Method 418.1: TPH									
Sample ID: MB-18630		MBLK			Batch ID: 18630	Analysis Date: 3/25/2009			
Petroleum Hydrocarbons, TR	ND	mg/Kg	20						
Sample ID: LCS-18630		LCS			Batch ID: 18630	Analysis Date: 3/25/2009			
Petroleum Hydrocarbons, TR	96.96	mg/Kg	20	97.0	82	114			
Sample ID: LCSD-18630		LCSD			Batch ID: 18630	Analysis Date: 3/25/2009			
Petroleum Hydrocarbons, TR	94.08	mg/Kg	20	94.1	82	114	3.02	20	
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-18623		MBLK			Batch ID: 18623	Analysis Date: 3/24/2009			
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Sample ID: LCS-18623		LCS			Batch ID: 18623	Analysis Date: 3/24/2009			
Diesel Range Organics (DRO)	47.57	mg/Kg	10	95.1	64.6	116			
Sample ID: LCSD-18623		LCSD			Batch ID: 18623	Analysis Date: 3/24/2009			
Diesel Range Organics (DRO)	43.84	mg/Kg	10	87.7	64.6	116	8.16	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: MB-18633		MBLK			Batch ID: 18633	Analysis Date: 3/30/2009 4:39:59 PM			
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-18633		LCS			Batch ID: 18633	Analysis Date: 3/30/2009 2:38:07 PM			
Gasoline Range Organics (GRO)	27.78	mg/Kg	5.0	108	64.4	133			
Sample ID: LCSD-18633		LCSD			Batch ID: 18633	Analysis Date: 3/30/2009 3:08:35 PM			
Gasoline Range Organics (GRO)	29.12	mg/Kg	5.0	113	69.5	120	4.71	11.6	

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

Page 1

QA/QC SUMMARY REPORT

Client: XTO Energy
 Project: Hubble Gas Com B#1F Reserve Pit Samples

Work Order: 0903358

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

Method: EPA Method 8021B: Volatiles

Sample ID: MB-18633

MBLK

Batch ID: 18633 Analysis Date: 3/30/2009 4:39:59 PM

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-18633

LCS

Batch ID: 18633 Analysis Date: 3/30/2009 3:38:58 PM

Benzene	1.073	mg/Kg	0.050	106	78.8	132
Toluene	1.034	mg/Kg	0.050	103	78.9	112
Ethylbenzene	1.086	mg/Kg	0.050	109	69.3	125
Xylenes, Total	3.207	mg/Kg	0.10	107	73	128

Sample ID: LCSD-18633

LCSD

Batch ID: 18633 Analysis Date: 3/30/2009 4:09:23 PM

Benzene	1.101	mg/Kg	0.050	108	78.8	132	2.57	27
Toluene	1.058	mg/Kg	0.050	105	78.9	112	2.28	19
Ethylbenzene	1.131	mg/Kg	0.050	113	69.3	125	4.10	10
Xylenes, Total	3.344	mg/Kg	0.10	111	73	128	4.17	13

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

Page 2

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

3/24/2009

Work Order Number 0903358

Received by: TLS

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: FedEx

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

Container/Temp Blank temperature?

2°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

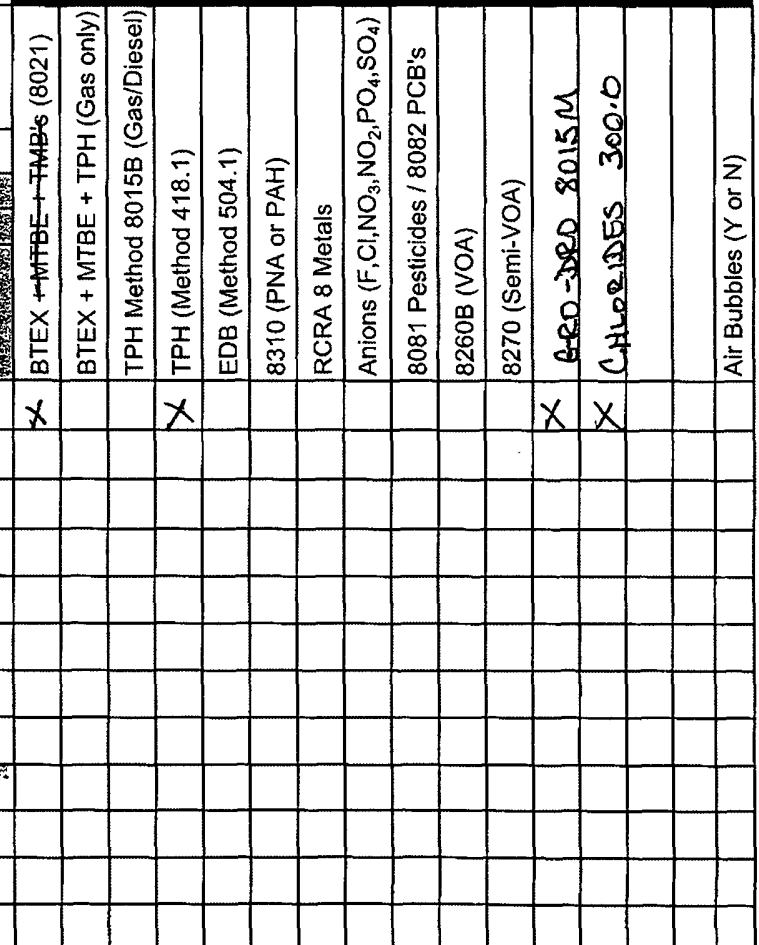
Comments: _____

Corrective Action _____

Chain-of-Custody Record		Turn-Around Time:	
Client: <u>XTO ENERGY</u>		<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Mailing Address: <u>382 ROAD 3100</u> <u>AZTEC NM 87410</u>		Project Name: <u>HUBBLE GAS Com B# 1F</u> <u>RESERVE PIT Sample</u>	
Phone #: <u>505-333-3207</u>		Project #: <u>RESERVE PIT Samples</u>	
email or Fax#:		Project Manager: <u>MARTIN NEE</u>	
QA/QC Package:		Sampler: <u>KURT</u>	
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Accreditation		Sample Temperature: <u>2</u>	
<input type="checkbox"/> NELAP <input type="checkbox"/> Other _____			
<input type="checkbox"/> EDD (Type) _____			

Sample Temperature

Date:	Time:	Relinquished by:	Received by:	Date	Time
3-23	8:00	Kurt Hackett	[Signature]	3/24/09	9:30
Date:	Time:	Relinquished by:	Received by:	Date	Time



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

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-34490
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator XTO Energy Inc		6. State Oil & Gas Lease No.
3. Address of Operator 382 County Road 3100 Aztec, NM 87410		7. Lease Name or Unit Agreement Name Hubbell Gas Com
4. Well Location Unit Letter <u>I</u> : <u>1780</u> feet from the <u>South</u> line and <u>725</u> feet from the <u>East</u> line Section <u>30</u> Township <u>28N</u> Range <u>10W</u> NMPM County <u>San Juan</u>		8. Well Number #1F
		9. OGRID Number 5380
		10. Pool name or Wildcat Basin Dakota
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 ☐

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

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

Spud Date:

July 11, 2008

Rig Release Date:

October 20, 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 Coordinator DATE 01/28/2010

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: Hubbell Gas Com B #1F

API No.: 3004524669

Legals: **Sec:** 30P

Township: 28N

Range: 10W

Inspector's	Inspection	Any visible liner	Any fluid seeps/	HC's on top of	Temp. pit free of misc	Discharg line	Fence	Any dead	Freeboard
Name	Date	breeches (Y/N)	spills (Y/N)	temp. pit (Y/N)	solid waste/ debris (Y/N)	integrity (Y/N)	integrity (Y/N)	wildlife/stock (Y/N)	Est. (ft)
D. Elrod	10/7/2008	No	No	No	Yes	Yes	Yes	No	+/-20'
D. Elrod	10/10/2008	No	No	No	Yes	Yes	Yes	No	+/-20'
D. Elrod	10/11/2008	No	No	No	Yes	Yes	Yes	No	+/-15'
D. Elrod	10/12/2008	No	No	No	Yes	Yes	Yes	No	+/-15'
D. Elrod	10/13/2008	No	No	No	Yes	Yes	Yes	No	+/-15'
D. Elrod	10/14/2008	No	No	No	Yes	Yes	Yes	No	+/-15'
D. Romango	10/15/2008	No	No	No	Yes	Yes	Yes	No	+/-15'
D. Romango	10/16/2008	No	No	No	Yes	Yes	Yes	No	+/-15'
D. Romango	10/17/2008	No	No	No	Yes	Yes	Yes	No	+/-17'
D. Romango	10/18/2008	No	No	No	Yes	Yes	Yes	No	+/-17'
D. Romango	10/19/2008	No	No	No	Yes	Yes	Yes	No	+/-10'
D. Romango	10/20/2008	No	No	No	Yes	Yes	Yes	No	+/-8'
M. Hartsell	10/27/2008	No	No	No	Yes	Yes	Yes	No	>2'
M. Hartsell	11/3/2008	No	No	No	Yes	Yes	Yes	No	>2'
M. Hartsell	11/10/2008	No	No	No	Yes	Yes	Yes	No	>2'

Notes:

Provide Detailed Description: Inspected pit prior to moving rig in and found small holes in liner near apron. Repairs were made by Greg Vicks repair crew.

Misc:

TEMPORARY PIT INSPECTION FORM

Well Name: Hubbell Gas Com B #1F

API No.: 3004524669

Legals:

Sec: 30P

Township: 28N

Range: 10W

Inspector's Name	Inspection Date	Any visible liner breaches (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)
Mike Hartsell	11/10/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	11/17/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	11/24/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	12/1/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	12/8/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	12/15/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	12/22/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	12/29/2008	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	1/6/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	1/14/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	1/23/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	1/26/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	2/5/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	2/19/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	2/23/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	3/4/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	3/12/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	3/17/2009	No	No	No	Yes	Yes	Yes	No	>2'

Notes:

Provide Detailed Description: Drill rig mvd off of well on 10/21/2008. We missed the 30 day fluid removal time.

Completion rig will be moving in around 11/26/2008 or 12/01/2008. For safety reasons we can not have both
operations working at the same time. We have Patriot Solution scheduled to begin Centrifuge operations ASAP
following completion rig.

Misc:

TEMPORARY PIT INSPECTION FORM

Well Name: Hubbell Gas Com B #1F

API No.: 3004524669

Legals: Sec: 30P

Township: 28N

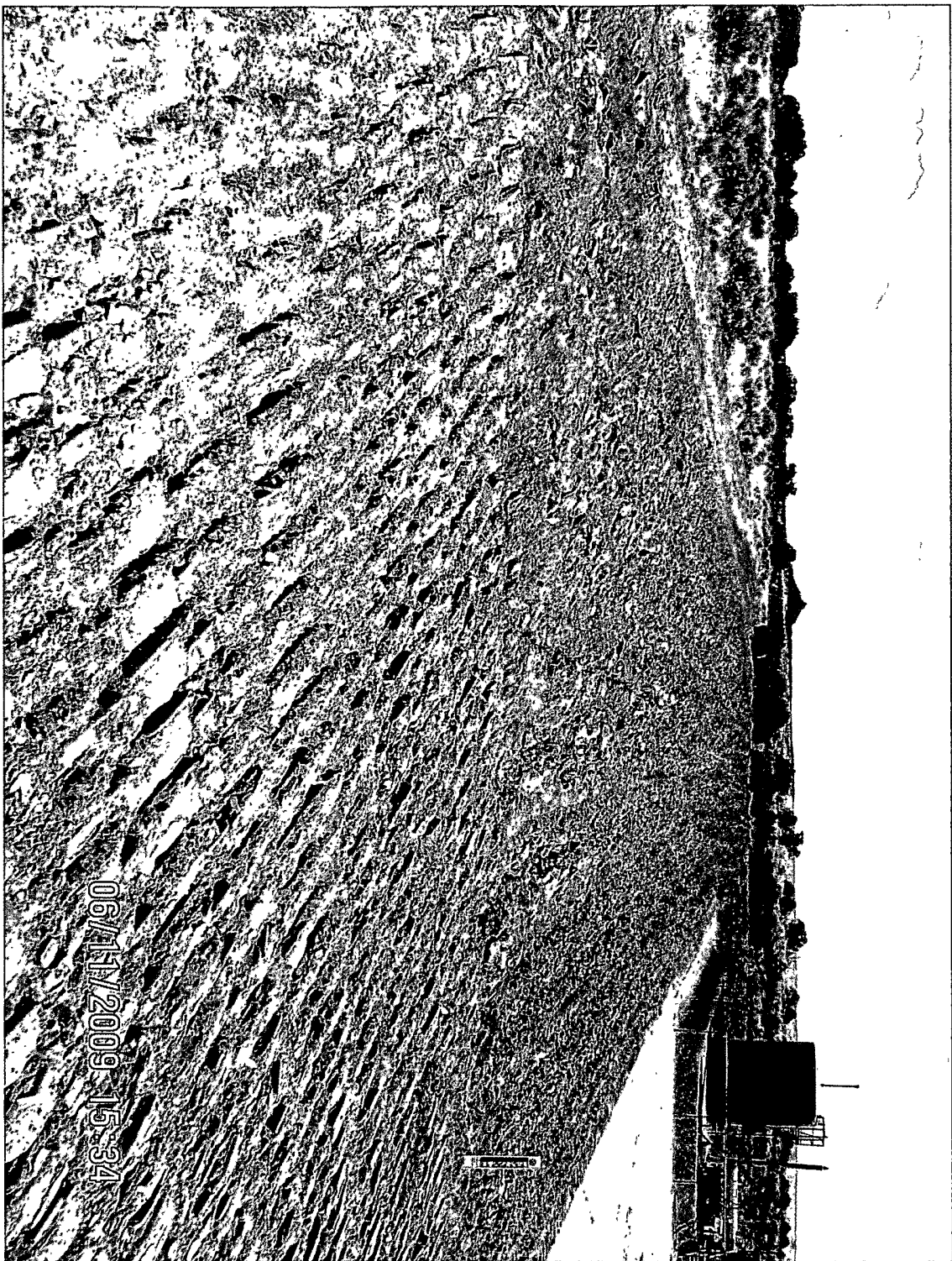
Range: 10W

Inspector's Name	Inspection Date	Any visible liner breaches (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	Fence	Any dead	Freeboard Est. (ft)
						integrity (Y/N)	integrity (Y/N)	wildlife/stock (Y/N)	
Mike Hartsell	3/23/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	4/6/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	4/14/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	4/21/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	4/29/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	5/7/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	5/13/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	5/20/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	5/27/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	6/5/2009	No	No	No	Yes	Yes	Yes	No	>2'
Mike Hartsell	6/11/2009	No	No	No	Yes	Yes	Yes	No	>2'

Notes: Provide Detailed Description:

Misc:





06/11/2009 15:34

