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

Pit Closed-Loon System Below-Grade Tank or

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Proposed Alternative Method Permit or Closure Plan Application					
Type of action:    Yermit 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: XTO Energy, Inc. OGRID #: 5380					
Address:#382 County Road 3100, Aztec, NM 87410					
Facility or well name: Breech C #248F					
Facility or well name: Breech C #248F  API Number: 30 - 039 - 31075  OCD Permit Number:					
U/L or Qtr/Qtr B Section 13 Township 26N Range 6W County: Rio Arriba					
Center of Proposed Design:         Latitude         36.49255         Longitude         107.41794         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: \(\bigcirc\) Drilling \(\bigcirc\) 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 80 x D 8-12					
3.					
☐ Closed-loop System: Subsection H of 19.15.17.11 NMAC					
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) To be used during completion operations					
□ Drying Pad ★ Above Ground Steel Tanks □ Haul-off Bins □ Other					
Lined [] Unlined Liner type: Thicknessmil   LLDPE [] HDPE [] PVC [] Other					
Liner Seams: Welded Factory Other					

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

\_bbl Type of fluid: \_\_\_\_\_

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

\_\_\_\_

Form C-144

Volume:

Tank Construction material:

Below-grade tank: Subsection I of 19.15.17.11 NMAC

☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other \_

Oil Conservation Division

Page 1 of 5

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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					
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					
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 of consideration of approval. Fencing- Hogwire  Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for				
Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.					
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	Yes No				
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA				
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA				
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No				
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No				
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No				
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No				
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No				
Within a 100-year floodplain FEMA map	☐ Yes ☐ No				

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 19.15.17.12 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:
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)
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.
<ul> <li>☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC</li> <li>☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC</li> <li>☐ Climatological Factors Assessment</li> <li>☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC</li> </ul>
<ul> <li>□ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>□ Quality Control/Quality Assurance Construction and Installation Plan</li> <li>□ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>□ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>□ Nuisance or Hazardous Odors, including H₂S, Prevention Plan</li> <li>□ Emergency Response Plan</li> </ul>
Oil Field Waste Stream Characterization
<ul> <li>☐ Monitoring and Inspection Plan</li> <li>☐ Erosion Control Plan</li> <li>☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC</li> </ul>
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: \( \bigcirc \) Drilling \( \bigcirc \) Workover \( \bigcirc \) Emergency \( \bigcirc \) Cavitation \( \bigcirc \) P&A \( \bigcirc \) Permanent Pit \( \bigcirc \) Below-grade Tank \( \bigcirc \) Closed-loop System \( \bigcirc \) 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)
<ul> <li>☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> <li>☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC</li> </ul>
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Groundstructions: Please indentify the facility or facilities for the disposal of liquifacilities are required.		
Disposal Facility Name: Envirotech	Disposal Facility Permit Number: NM01-0	011
Disposal Facility Name: IEI		010B
Will any of the proposed closed-loop system operations and associated activitie  ☐ Yes (If yes, please provide the information below) ☒ No		vice and operations?
Required for impacted areas which will not be used for future service and open  Soil Backfill and Cover Design Specifications based upon the approp  Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Site Reclamation Site	riate requirements of Subsection H of 19.15.17.13 NMA tion I of 19.15.17.13 NMAC	С
17.  Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMA  Instructions: Each siting criteria requires a demonstration of compliance in provided below. Requests regarding changes to certain siting criteria may re considered an exception which must be submitted to the Santa Fe Environmedemonstrations of equivalency are required. Please refer to 19.15.17.10 NMA	the closure plan. Recommendations of acceptable sou quire administrative approval from the appropriate dist ental Bureau office for consideration of approval. Just	trict office or may be
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
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;		X 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 othe 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 ch - Visual inspection (certification) of the proposed site; Aerial photo; Sat		☐ Yes 🛛 No
Within 500 horizontal feet of a private, domestic fresh water well or spring tha watering purposes, or within 1000 horizontal feet of any other fresh water well  NM Office of the State Engineer - iWATERS database; Visual inspect	or spring, in existence at the time of initial application.	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh adopted pursuant to NMSA 1978, Section 3-27-3, as amended.  - Written confirmation or verification from the municipality; Written approximation	•	☐ Yes 🛛 No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; V	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-Mi	ning and Mineral Division	Yes 🕅 No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geo Society; Topographic map</li> </ul>	ology & Mineral Resources; USGS; NM Geological	Yes 🛛 No
Within a 100-year floodplain FEMA map		Yes X No
18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of	of the following items must be attached to the closure pl	lan. Please indicate
by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate Proof of Surface Owner Notice - based upon the appropriate requirement Construction/Design Plan of Burial Trench (if applicable) based upon the Construction/Design Plan of Temporary Pit (for in-place burial of a dryicable) Protocols and Procedures - based upon the appropriate requirements of Confirmation Sampling Plan (if applicable) - based upon the appropriate Waste Material Sampling Plan - based upon the appropriate requirement Disposal Facility Name and Permit Number (for liquids, drilling fluids a Soil Cover Design - based upon the appropriate requirements of Subsect Re-vegetation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect	requirements of 19.15.17.10 NMAC ts of Subsection F of 19.15.17.13 NMAC ne appropriate requirements of 19.15.17.11 NMAC ng pad) - based upon the appropriate requirements of 19. 19.15.17.13 NMAC requirements of Subsection F of 19.15.17.13 NMAC as of Subsection F of 19.15.17.13 NMAC and drill cuttings or in case on-site closure standards cannot H of 19.15.17.13 NMAC tion I of 19.15.17.13 NMAC	.15.17.11 NMAC

Operator Application Certification:  I hereby certify that the information submitted with this application is true, accur-	ate and complete to the best of my knowledge and belief.
Name (Print): Malia Villers	Title: Permitting Tech.
Signature: malia tilleus	Date: \( \o \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
e-mail address: malia_villers@xtoenergy.com	Telephone: (505) 333-3100
OCD Approval: Permit Application (including closure plan) Closure Plan OCD Representative Signature:	Approval Date:OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection Instructions: Operators are required to obtain an approved closure plan prior to The closure report is required to be submitted to the division within 60 days of to section of the form until an approved closure plan has been obtained and the closure plan prior to the division within 60 days of the closure plan prior to the division within 60 days of the closure plan prior to the division within 60 days of the closure plan prior to the division within 60 days of the closure plan prior to the division within 60 days of the closure plan prior to the division within 60 days of the closure plan has been obtained and the closure plan prior to the division within 60 days of the closure plan has been obtained and the closure plan prior to the division within 60 days of the closure plan has been obtained and the closure plan prior to the division within 60 days of the closure plan plan prior to the division within 60 days of the closure plan plan prior to the closure plan plan plan plan plan plan plan plan	o implementing any closure activities and submitting the closure report. he completion of the closure activities. Please do not complete this
22.  Closure Method:  Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alterna ☐ If different from approved plan, please explain.	ative Closure Method   Waste Removal (Closed-loop systems only)
Closure Report Regarding Waste Removal Closure For Closed-loop Systems Instructions: Please indentify the facility or facilities for where the liquids, dril two facilities were utilized.  Disposal Facility Name:  Disposal Facility Name:  Were the closed-loop system operations and associated activities performed on or  Yes (If yes, please demonstrate compliance to the items below) No  Required for impacted areas which will not be used for future service and operation  Site Reclamation (Photo Documentation)  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique	Disposal Facility Permit Number:  Disposal Facility Permit Number:  in areas that will not be used for future service and operations?
Closure Report Attachment Checklist: Instructions: Each of the following ite 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	
Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure requirements. I also certify that the closure complies with all applicable closure requirements.	eport is true, accurate and complete to the best of my knowledge and nents and conditions specified in the approved closure plan.
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:



### Pit Permit Siting Criteria Information Sheet

Client:	XTO Energy
Project:	Pit Permits
Revised:	3/31/2011
Prepared by:	Dustin Held

	Information Shee	t Prepared by:	Dustin Held
API#:	NA	USPLSS:	T26N, R6W, S13B
Name:	Breech C #248F	Lat/Long:	36.49255, -107.41794
Depth to groundwater:	between 50 and 100 feet	Geologic formation:	
Distance to closest continuously flowing watercourse:	24.5 miles NW to the San Juan River		
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	877 feet NW to Albert Lake; 1105 feet SE to first order tributary of Albert Canyon; 2,000 feet E to Albert Canyon a major tributary of Largo Canyon		
		Soil Type:	Entisols
Permanent residence, school, hospital, institution or church within 300'	NO	;	
		Annual Precipitation:	8.21" - Farmington; 10.41" Otis; 8.71" Bloomfield
Domestic fresh water well or spring within 500'	NO	Precipitation Notes:	no significant precipitation events on record
Any other fresh water well or spring within 1000'	NO		
Within incorporated municipal boundaries	NO	Attached Documents:	Hydrogeologic Report Figure 1: Topographic Map
Within defined municipal fresh water well field	NO		Figure 2: Aerial Photo Figure 3: Mines, Mills and Quarries Map Figure 4: Water Well and Surface Water Features Figure 5: Municipal Boundaries Map Figure 6: FEMA Flood Zone Map iWaters Data
Wetland within 500'	NO	Mining Activity:	None identified in the vicinity
Within unstable area	NO		
Within 100 year flood	NO		



2243 Main Avenue, Suite 3 Durango, Colorado 81301 T 970.385.1096 / F 970.385.1873

#### Breech C #248F

### Hydrogeologic Report for Siting Criteria

### General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate the surficial geology (Dane and Bachman, 1965). The proposed pit location will be situated on the undulating surface of Ensenada Mesa near the head of Albert Canyon (Figure 1). The predominant geologic formation is the San Jose Formation, which underlies surface soils or is exposed as sandstone outcrops. The San Jose Formation occurs in both New Mexico and Colorado and its outcrop forms the land surface over much of the eastern half of the central basin.

Cretaceous and Tertiary sandstones and Quaternary alluvial deposits serve as the primary aquifers in the San Juan Basin (Stone et al., 1983). In the proposed area, the San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and shale. Groundwater is associated with alluvial and fluvial sandstone aquifers. Porous sandstones form the principal aquifers, while relatively impermeable shales and mudstones form confining units between the aquifers (Stone et al., 1983). The aquifers are found between 0 and 2700 feet deep (Stone et al., 1983). The reported or measured discharge from numerous water wells completed in the formation range from 0.15 to 61 gallons per minute (gpm) of production, with a median of 5 gpm. Most of the wells provide water for livestock and domestic purposes.

The formation is suitable for recharge from precipitation due to the sandy nature of overlying soils, which are highly permeable and absorbent. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the formation by the San Juan River and its main tributaries all tend to reduce the effective recharge to the formation. Most recharge occurs during the winter months during snowmelt periods within the upper elevations (Western Regional Climate Center, <a href="https://www.wrcc.dri.edu">www.wrcc.dri.edu</a>).

The predominant vegetation is sagebrush and grasses with a more restricted piñon-juniper association (Dick-Peddie, 1993).

### Site-Specific Hydrology

Ensenada Mesa lies to the north of Largo Canyon. It consists of shales and sandstones of the San Jose Formation (Dane and Bachman, 1965). The site in question is located at the east end of Ensenada Mesa, east of Albert Lake at an elevation of approximately 6,589 feet above sea level (Figures 1 and 2). The immediate surrounding area consists of shallow washes and canyons that have eroded through the sandstone into underlying shale units. The washes drain to Albert Canyon, a major tributary of Largo Canyon.



Depth to groundwater is estimated to be between 50 and 100 feet below ground surface (bgs). This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States, and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration, as well as test wells drilled in the vicinity by XTO Energy, Inc (XTO).

Groundwater data available from the New Mexico State Engineer's iWaters Database for wells near the proposed site are attached. The wells are more than two miles away and may not be representative of site conditions. However, the data suggest that wells located within surrounding canyons contain shallow groundwater between 10 and 25 feet bgs. Wells that exist on top of mesas at similar elevations to Ensenada Mesa contain groundwater at 100 to 450 feet depth.

More locally, standing water and wetland vegetation are present in shallow surface depressions on top of Ensenada Mesa. The presence of these features suggests groundwater is perched just beneath the ground surface nearby. In order to verify depth to groundwater in the area, XTO drilled several test wells in 2008. An air rotary drill with a 5½ -inch drag bit was used to advance holes at several locations on Ensenada Mesa. Holes were drilled to 65 feet below ground surface and allowed to sit for one hour before being measured. If, after one hour, the hole was dry, it was advanced to 115 feet below ground surface. Once total depth was reached, XTO waited another hour before measuring for water. One such borehole was drilled approximately 3,955 feet southwest and 47 feet higher in elevation than the proposed pit location. Depth to water was determined to be greater than 115 feet deep in the well. Based on this information and the elevation change between the site and the floor of Albert Canyon, groundwater is estimated to be between 50 and 100 feet deep at the proposed site.

### References

Dane, C.H. and Bachman, G. O., 1965, Geologic Map of New Mexico: U.S. Geological Survey, 1 sheet, scale 1:500,000.

Dick-Peddie, W.A., 1993, New Mexico Vegetation – Past, Present and Future: Albuquerque, New Mexico, University of New Mexico Press, 244 p.

Stone, W.J., Lyford, F. P., Frenzel, P.F., Mizell, N.H. and Padgett, E.T., 1983, Hydrogeology and water resources of the San Juan Basin, New Mexico: HR-6 New Mexico Bureau of Geology and Mineral Resources Hydrology Report 6.

USGS, Groundwater Atlas of the United States: Arizona, Colorado, New Mexico, Utah, HA 730-C: (<a href="http://www.pubs.usgs.gov">http://www.pubs.usgs.gov</a>).

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

### State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

DISTRICT II 1801 W. Grand Avenus, Artesia, N.M. 88210

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

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

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

AMENDED REPORT

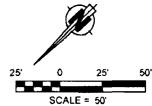
		V	WELL I	OCATIO	N AND A	CREAC	E DEDI	CATIO	N PL	AT			
<sup>1</sup> API	Number			<sup>8</sup> Pool Code					Pool Name				
*Property C	ode				-	ty Name					Well Number 248F		
TOGRED No		*Operator Name * Elevation  XTO ENERGY 6589											
			W		10 Surfac	e Loca	tion						
Л or lot no. В	Section 13	Township 26N	Range 6W	Lot ldn	Feet from th	<ul> <li>North</li> </ul>	/South line	Feet fr 23	om the Q5'	Bost/West line EAST	RIO ARRIBA		
			11 Bott	om Hole	Location	If Diff	erent Fre	om Su	rface				
L or lot no.	Section	Township	Range	Lot Idn	Peet from U		/South line		om the	East/West line	County		
Dedicated Acre	<u> </u>		" Joint or	[nfil]	M Consolidation	n Code	_	18 Order	No.	<u> </u>			
NO ALLOW	ABLE W				S COMPLE JNIT HAS						CONSOLIDATE		
FND 3.25 <sup>4</sup> BC BLM 1957		N 89'33'	50" W	5290	0.53' (M) 92.54' (R)	DEEN A	TTROVED	B1 1			RTIFICATION		
				DATUM (N. 141. 36.44	9255' N 7.41794' W AD 1983) 9224' N 7.41734' W	305'		ය	beliaf, and working a land who had such a right to contract a hereinfore Signatur  Printed  18 Signatur  Acreby cor was plotted me or under and correct	d that this organism interest or universel iding the proposed to be drill this well at to with an numer or a emissed by the dissi  REVEYOR C  tify that the well in from field notes of	mineral interest in the distance has location or his location previous to computation previous computation positing or side.  Date  ERTIFICATION continue shown on this a cotust merceys made to tritle that the same to britle.		
					— <del></del> .	i i † —	<del>-</del>	N 0'07'10" E	Date of 8 Signature	and Seal of Profes	stopal Surveyor:		
				1			FND 3.25" 8 BLM 1957	ic :	Certificate	AVID RUSS	ELL 10201		

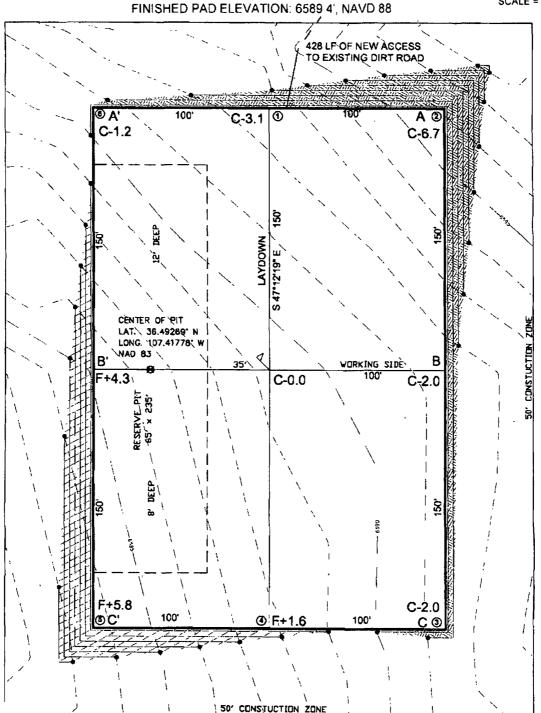
LATITUDE: 36 49255°N LONGITUDE: 107.41794°W DATUM: NAD 83

### **XTO ENERGY**

BREECH C #248F 665' FNL & 2305' FEL LOCATED IN THE NW/4 NE/4 OF SECTION 13, T26N, R6W, N M P M., RIO ARRIBA COUNTY, NEW MEXICO

GROUND ELEVATION, 65891, NAVD 88





1 FOOT CONTOUR INTERVAL SHOWN

SCALE: 1" = 50' JOB No.. XTO025\_REV1

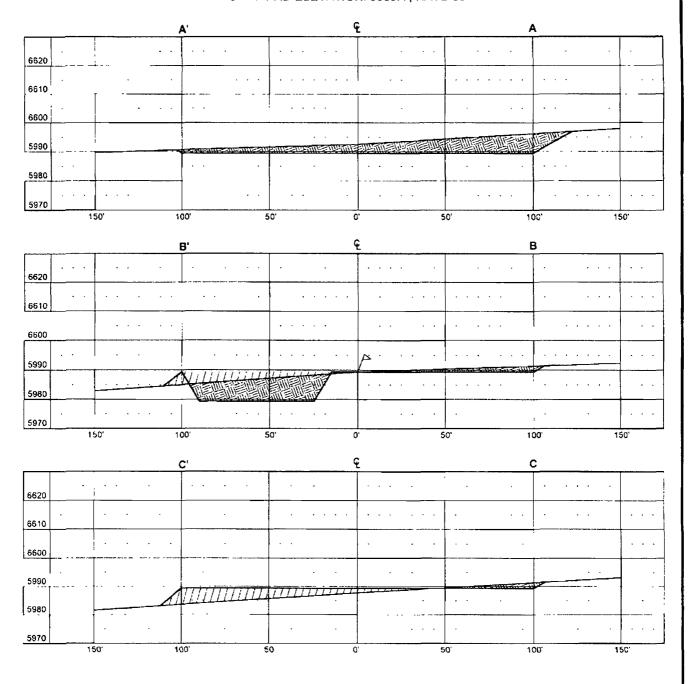
DATE: 05/27/08



Russell Surveying 1409 W. Aztec Blvd #2 Aztec, New Mexico 87410 (505) 334-8637

### **XTO ENERGY**

BREECH C #248F 665' FNL & 2305' FEL LOCATED IN THE NW/4 NE/4 OF SECTION 13, T26N, R6W, N.M.P.M, RIO ARRIBA COUNTY, NEW MEXICO GROUND ELEVATION. 6589', NAVD 88 FINISHED PAD ELEVATION. 6589.4', NAVD 88

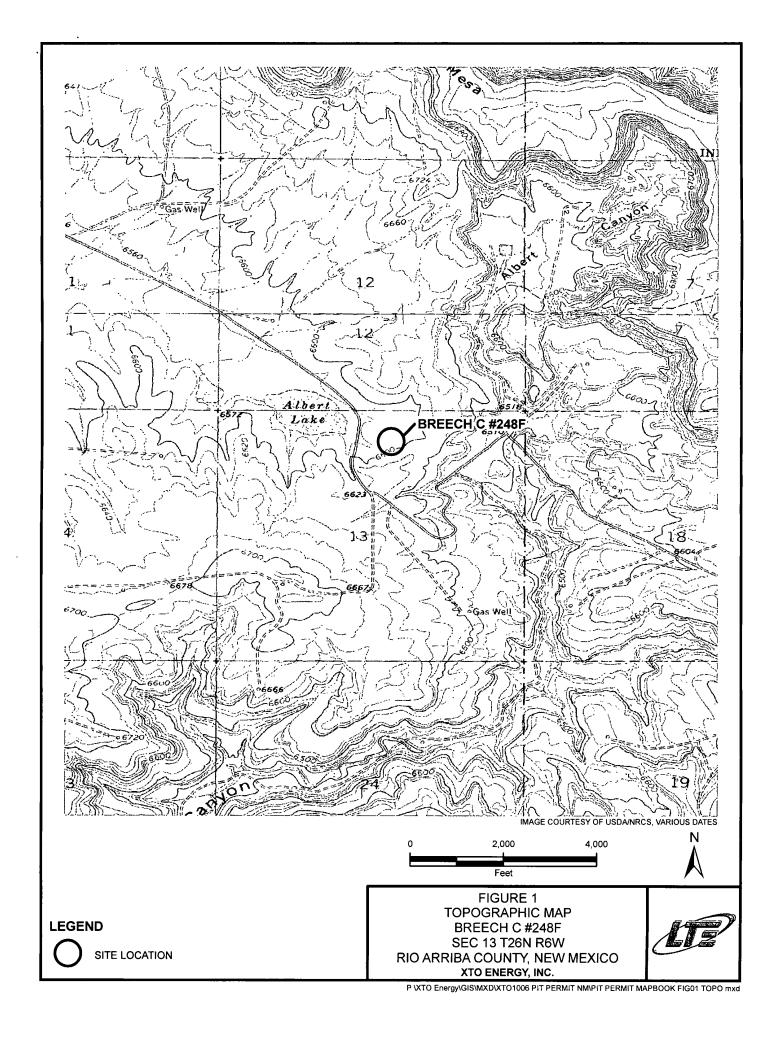


VERT. SCALE. 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: XTO025\_REV1 DATE: 05/27/08

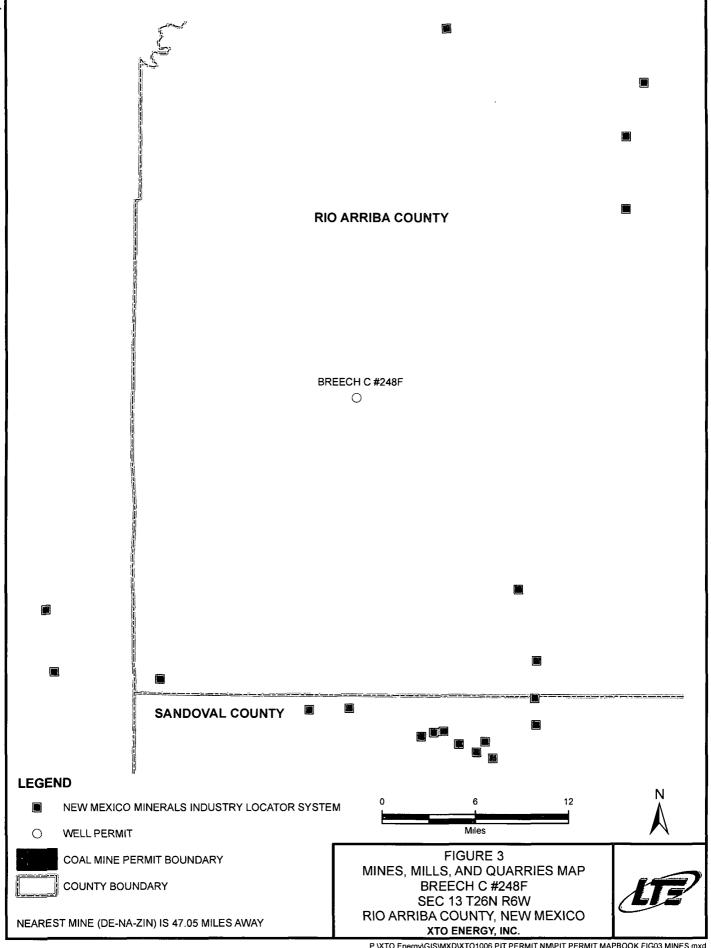


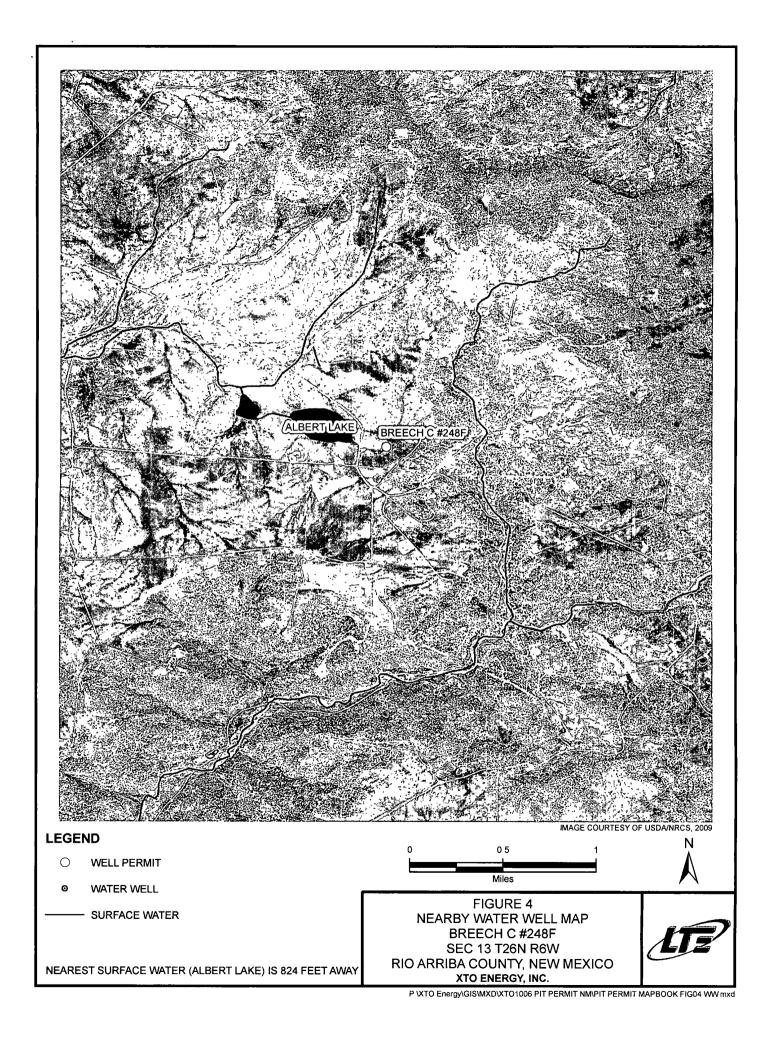


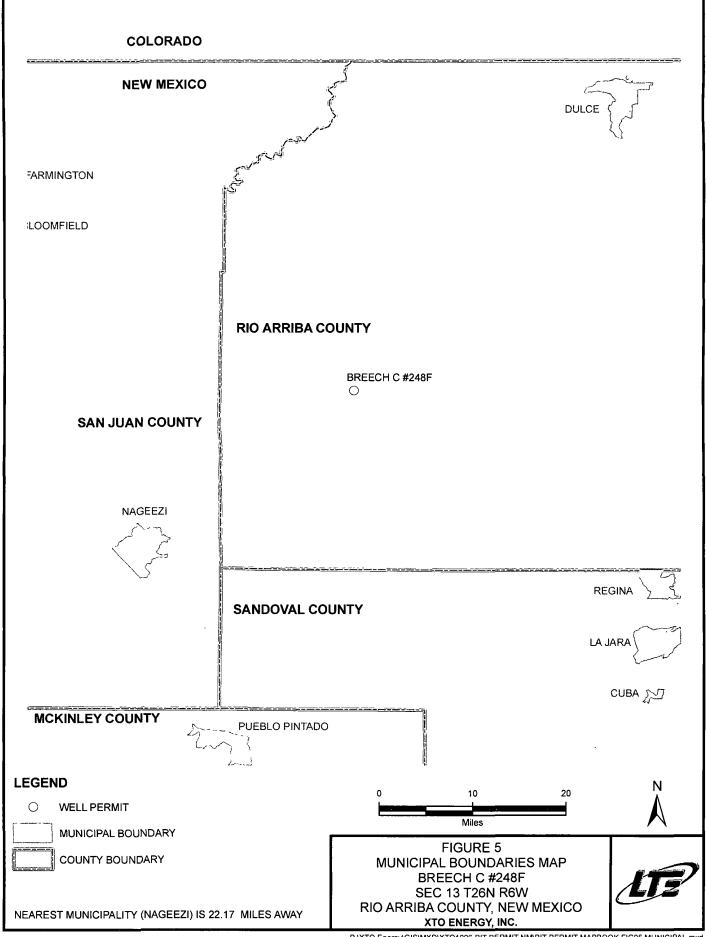
Russell Surveying 1409 W. Aztec Blvd. #2 Aztec, New Mexico 87410 (505) 334-8637











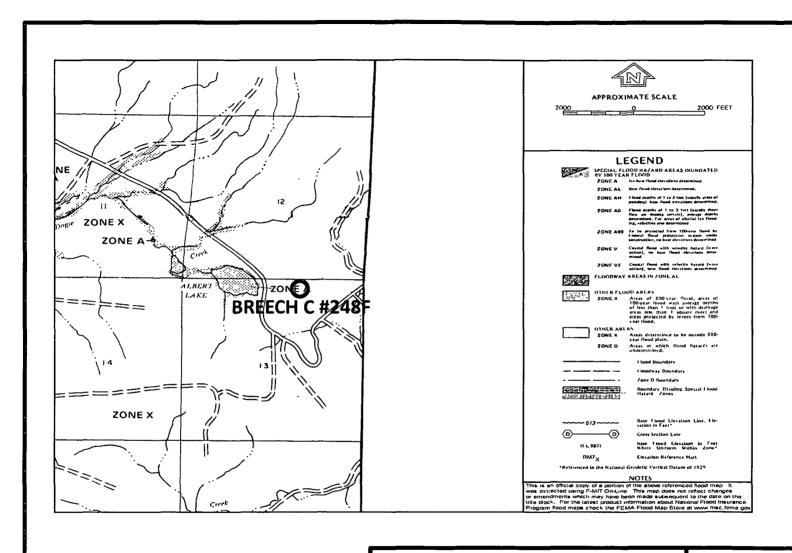


FIGURE 6
FEMA FLOOD ZONE MAP
BREECH C #248F
SEC 13 T26N R6W
RIO ARRIBA COUNTY, NEW MEXICO
XTO ENERGY, INC.





### New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

			(quarte	rs a	re s	sma	allest	to larg	est)	(NAD83 UTN	/l in meters)		(In fee	et)
	Sub			Q	Q	Q						Depth E	epth	Water
POD Number	basin	Use	County	64	16	4	Sec	Tws	Rng	X	Υ	WellV	Vater (	olumn
SJ 00061		DOM	RA	3	3	3	32	27N	06W	276278	4044923*	445	301	144
SJ 00062		DOM	RA	3	3	3	32	27N	06W	276278	4044923*	452	301	151
SJ 00213		IND	RA	4	4	1	32	27N	06W	276897	4045750*	1308	485	823
SJ 02403		DOM	RA	3	1	3	30	27N	06W	274714	4047115*	505	300	205
SJ 03001		DOM	RA	1	2	2	07	27N	06W	276165	4052831*	141	41	100
										Avera	age Depth to	Water:	285 f	eet
											Minimum	Depth:	41 f	eet
											Maximum	n Depth:	485 f	eet

**Record Count: 5** 

PLSS Search:

Township: 27N Range: 06W



### New Mexico Office of the State Engineer Water Column/Average Depth to Water

(quarters are 1=NW 2=NE 3=SW 4=SE)

		(quarte	ers a	re :	sma	allest	to larg	est)	(NAD83 UTN	/I in meters)		(In fee	et)
	Sub		Q	Q	Q					ı	Depth I	Depth	Water
POD Number	basin Us	County	64	16	4	Sec	Tws	Rng	X	Y	Well	Water(	Column
SJ 00070	DOI	И RA	3	2	4	15	26N	07W	270886	4040617*	335	22	313
SJ 00071	IND	RA	2	1	4	15	26N	07W	270686	4040839*	365	26	339
SJ 02402	STI	( RA	2	3	3	05	26N	07W	266831	4043786*	36	18	18
SJ 02406	STI	( RA	1	2	3	30	26N	07W	265144	4037834*	280	180	100
SJ 02409	STI	( RA	2	2	1	01	26N	07W	273634	4044666*	700	400	300
									Avera	age Depth to	Water:	129 1	feet
										Minimum	Depth:	18 1	feet
										Maximum	Depth:	400 1	feet

**Record Count: 5** 

Basin/County Search:

Basin: San Juan

PLSS Search:

Township: 26N Range: 07W

3 8222	CERMINE	Servicem DEMAIL RECEIPT DAIM Modifience Coverge Provided Tellow Service Coverge Provided TO IAL USE	
1870 0003 318	Postage  Certified Fee  Return Receipt Fee (Endorsement Required)  Restricted Delivery Fee (Endorsement Required)  Total Postage & Fees	Postmark 3 POST	
מינטע	Sent To  Sireef, Apt. No.; or PO Box No.  City, State, ZIP+4  FS From 9300, August 2	Linda Cornell	ia _

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
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.	A. Signature    Agent   Addressee
Article Addressed to:	D. Is delivery address different from item; 2
Linda Cornell	
PO Box 156	3. Service Type
McIntosh, NM 87032	☐ Registered ☐ Express Mall ☐ Express Mall ☐ Registered ☐ Receipt for Merchandise ☐ C.O.D.
•	4. Restricted Delivery? (Extra Fee) ☐ Yes
2. Article Number 7010	1870 0003 3183 8222
PS Form 3811, February 2004 Domestic Reti	urn Receipt Breech 248F102595-02-M-1540



June 3, 2011

Linda Cornell PO Box 156 McIntosh, NM 87032

RE: Breech C #248F Sec. 13 (B), T26N, R6W Rio Arriba County, New Mexico

Dear Ms. Cornell,

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 burial.

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

Sincerely,

Malia Villers

XTO Energy Inc.

### XTO Energy Inc. San Juan Basin Pit Design and Construction Plan

In accordance with Rule 19.15.17.11 NMAC the following information describes the design and construction of temporary pits on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

#### General Plan

- 1. XTO will design and construct a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public heath and environment.
- Prior to constructing the pit, topsoil will be stockpiled in the construction zone for later use in restoration.
- XTO will post a well sign, in compliance with 19.15.3.103 NMAC, on the well site prior to
  construction of the temporary pit. The sign will list the Operator on record as the operator, the
  location of the well site by unit letter, section, township, range, and emergency telephone
  numbers.
- 4. XTO shall construct all new fences utilizing 48" steel mesh field-fence (hogwire) on the bottom with a single strand of barbed wire on top. T-posts shall be installed every 12 feet and corners shall be anchored utilizing a secondary T-post. Temporary pits will be fenced at all times excluding drilling or workover operations, when the front side of the fence will be temporarily removed for operational purposes.
- 5. XTO shall construct the temporary pit so that the foundation and interior slopes are firm and free of rocks, debris, sharp edges or irregularities to prevent liner failure.
- XTO shall construct the pit so that the slopes are no steeper than two horizontal feet to one vertical foot.
- 7. Pit walls will be walked down by a crawler type tractor following construction.
- 8. All temporary pits will be lined with a 20-mil, string reinforced, LLDPE liner, complying with EPA SW-846 method 9090A requirements.
- 9. Geotextile will be installed beneath the liner when rocks, debris, sharp edges or irregularities cannot be avoided.
- All liners will be anchored in the bottom of a compacted earth-filled trench at least 18 inches deep.
- 11. XTO will minimize liner seams and orient them up and down, not across a slope. Factory seams will be used when possible. XTO will ensure all field seams are welded by qualified personnel. Field seams will be overlapped four to six inches and will be oriented parallel to the line of maximum slope. XTO will minimize the number of field seams in corners and irregularly shaped areas.
- 12. The liner shall be protected from any fluid force or mechanical damage through the use of mud pit slides, or a manifold system.
- 13. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some areas.
- 14. The volume of the pit shall not exceed 10 acre-feet, including freeboard.

### XTO Energy Inc. San Juan Basin Maintenance and Operating Plan

In accordance with Rule 19.15.17.12 NMAC the following information describes the operation and maintenance of temporary pits on XTO Energy Inc. locations. This is XTO's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

#### General Plan

- 1. XTO will operate and maintain a temporary pit to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. XTO will conserve drilling fluids by transmitting liquids to pits ahead of the rigs whenever possible. All drilling fluids will be disposed at Basin Disposal Inc, Permit # NM-01-005.
- 3. XTO will not discharge or store any hazardous waste in any temporary pit.
- 4. If any pit liner integrity is compromised, or if any penetration of the liner occurs above the liquid surface, then XTO shall notify the Aztec Division office by phone or email within 48 hours of the discovery and repair the damage or replace the liner.
- 5. If a leak develops below the liquid level, XTO shall remove all liquids above the damaged liner within 48 hours and repair the damage or replace the liner. XTO shall notify the Aztec Division office by phone or email within 48 hours of the discovery for leaks less than 25 barrels. XTO shall notify the Aztec Division office as required pursuant to Subsection B of 19.15.3.116 NMAC within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19 15 3 116 NMAC shall be reported to the division's Environmental Bureau Chief.
- 6. The liner shall be protected from any fluid force or mechanical damage through the use of mud pits slides, or a manifold system.
- 7. The pit shall be protected from run-off by constructing and maintaining diversion ditches around the location or around the perimeter of the pit in some cases.
- 8. XTO shall immediately remove any visible layer of oil from the surface of the temporary pit after cessation of a drilling or workover operation. Oil absorbent booms will be utilized to contain and remove oil from pits surface. An oil absorbent boom will be stored on-site until closure of pit.
- 9. Only fluids generated during the drilling or workover process will be discharged into a temporary pit.
- 10. XTO will maintain the temporary pit free of miscellaneous solid waste or debris.
- 11. During drilling or workover operations, XTO will inspect the temporary pit at least once daily to ensure compliance with this plan. Inspections will be logged and logs maintained for review. XTO will file this log with the Aztec Division office upon closure of the pit.
- 12. After drilling or workover operations, XTO will inspect the temporary pit weekly so long as liquids remain in the temporary pit. A log of the inspections will be stored at XTO's office electronically and will be filed with the Aztec Division office upon closure of the pit.
- 13. XTO shall maintain at least two feet of freeboard for a temporary pit.
- 14. XTO shall remove all free liquids from a temporary pit within 30 days from the date the operator releases the drilling or workover rig.

### XTO Energy Inc. San Juan Basin Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of temporary pits on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all temporary pits. A separate plan will be submitted for any temporary pit which does not conform to this plan.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of pit closure. Closure report will be filed on C-144 and incorporate the following:

- Details on Capping and Covering, where applicable.
- Plot Plan (Pit Diagram)
- Inspection Reports
- Sampling Results
- C-105
- Copy of Deed Notice will be filed with County Clerk

#### General Plan:

- 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.
- 2. The preferred method of closure for all temporary pits will be on-site, in-place burial, assuming that all criteria listed in sub-section (B) of 19.15.17.13 are met.
- 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.
- Within 6 months of the Rig Off status occurring XTO will ensure that temporary pits are closed, re-contoured, and reseeded.
- 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. Operators Name
  - Location by Unit Letter, Section, Township, and Range. Well name and API number.
- 6. 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 liver will be disposed of at a licensed disposal facility.
- 7. 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 a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.
- 8. A five point composite sample will be taken of the pit 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 0f 19.15.17.13 i.e., Dig and haul. Disposal facility to be utilized should this method be required will be Envirotech, Permit No. NM01-0011 or IEI, Permit No. NM01-0010B.

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

- 9. Upon completion of solidification and testing, the pit area will be backfield 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.
- 10. Re-contouring of 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 smooth surface, fitting the natural landscape.
- 11. Notification will be sent to OCD when the reclaimed area is seeded.
- 12. XTO shall seed the disturbed areas the first growing season after the operator closes the pit. 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.
- 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 onsite 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 tall 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: Operators Name, Lease Name, Well Name and Number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

### XTO Energy Inc. San Juan Basin Closed-Loop System Design and Construction Plan

In accordance with Rule 19.15.17.11 NMAC the following information describes the design and construction of closed-loop systems on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all closed-loop systems. A separate plan will be submitted for any closed-loop system which does not conform to this plan.

#### General Plan

Our closed-loop system will not entail a drying pad, temporary pit, below grade tank or sump. It will entail an above ground tank suitable for holding the cuttings and fluids for rig operations. The tank will be of sufficient volume to maintain a safe free board between disposal of the liquids and solids from rig operations.

- 1. Fencing is not required for an above ground closed-loop system.
- 2. It will be signed in compliance with 19.15.3.103 NMAC.

### XTO Energy Inc. San Juan Basin Closed-Loop Systems Maintenance and Operating Plan

In accordance with Rule 19.15.17.11 NMAC the following information describes the operation and maintenance of closed-loop systems on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all closed-loop systems. A separate plan will be submitted for any closed-loop system which does not conform to this plan.

#### General Plan

The closed-loop tank will be operated and maintained; to contain liquids and solids, to aid in the prevention of contamination of fresh water sources, in order to protect public health and the environment. To attain the goal the following steps will be followed:

- 1. The liquids will be vacuumed out and disposed of at the Basin Disposal, Inc. facility (Permit Number NM01-005). An alternative if available for liquids disposal, will be to move the liquids forward to a XTO temporary pit constructed in accordance with all specifications in NMAC Rule 19.15.17 for a well yet to be drilled. All specifications, limitations, and rules within the New Mexico Administrative Code regulating this transfer of liquids will be strictly adhered to. As a third alternative, if Basin Disposal turns away the fluids because of capacity reasons, and the second transfer option is not available, XTO may elect to haul fluids to IEI (Permit Number NM01-0010B) for final disposition.
- 2. Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit Number NM01-0011) or IEI (Permit Number NM01-0010B) on a periodic basis to prevent over topping.
- No hazardous waste, miscellaneous solids, waste, or debris will be discharged into, or stored in the tank. Only fluids or cutting used or generated by rig operations will be placed or stored in the tank.
- 4. The division district office will be notified within 48 hours of the discovery of compromised integrity of the closed-loop tank. Upon discovery of the compromised tank, repairs will be enacted immediately.
- 5. All of the above operations will inspected and a log will be signed and dated daily during rig operations.

## XTO Energy Inc. San Juan Basin Closed-Loop System Closure Plan

In accordance with Rule 19.15.17.11 NMAC the following information describes the closure requirements of closed-loop systems on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all closed-loop systems. A separate plan will be submitted for any closed-loop system which does not conform to this plan.

#### General Plan

XTO will close a drying pad used for a closed-loop system within six months from the date that XTO released the drilling or workover rig. XTO will not the date of the drilling or workover rig's release on form C-105 or C-103, riled with the division, upon the well's or workover's completion.

The closed-loop tank will be closed in accordance with 19.15.17.13 NMAC. This will be done by transporting cuttings and all remaining sludges to Envirotech (Permit Number NM01-0011) or IEI (Permit Number NM01-0010B) immediately following rig operations.

All remaining liquids will be transported and disposed of at the Basin Disposal, Inc facility (Permit Number NM 01-005). As an alternative (in the event Basin Disposal refused liquids because of capacity considerations, and if proper inventory space is available for liquids transfer while meeting free board requirements), the liquids will be moved forward to a XTO temporary pit constructed in accordance with all specifications in NMAC Rule 19.15.17 for a well yet to be drilled. All specifications, limitations, and rules within the New Mexico Administrative Codes regulating this transfer of liquids will be strictly adhered to. As a third alternative, if Basin Disposal turns away the fluids because of capacity reasons, and the second transfer option is not available, XTO may elect to haul the fluids to IEI (Permit Number 01-0010B) for final disposition.

The tanks will be removed from the location as part of the rig move. At the time of well abandonment the site will be reclaimed and re-vegetated to pre-existing conditions when possible.

### XTO Energy Inc. San Juan Basin Closed-Loop System Closure Plan

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