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

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

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

Pit, Closed-Loop System, Below-Grade Tank, or  Proposed Alternative Method Populity on Closure Plan Application
Proposed Alternative Method Permit or Closure Plan Application
Type of action:    X   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: Five of Diamonds #90H
API Number: 30045.351(a) OCD Permit Number:
U/L or Qtr/Qtr D Section 10 Township 30N Range 13W County: San Juan
Center of Proposed Design: Latitude       36.83326       Longitude       108.19770       NAD: □1927 ☒ 1983
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
Z. Pit: Subsection F or G of 19.15.17.11 NMAC  Towns company VI Deilling VI Worksware
Temporary: 🖾 Drilling 🔲 Workover
Permanent Emergency Cavitation P&A
☐ Unlined Liner type: Thickness 20 mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
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) 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 Other
4
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume:bbl Type of fluid:
Tank Construction material:
Liner Seams:   Welded   Factory   Other      Below-grade tank: Subsection I of 19.15.17.11 NMAC    Volume:   bbl Type of fluid:     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
Visible sidewalls and lines Visible sidewalls only Other
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thicknessmil
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.

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, hinstitution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate. Please specify	hospital,
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 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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	priate district pproval.
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:
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)
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
<ul> <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> <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> </ul>
<ul> <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> <li>□ Oil Field Waste Stream Characterization</li> </ul>
☐ 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)
<ul> <li>✓ On-site Closure Method (Only for temporary pits and closed-loop systems)</li> <li>✓ In-place Burial</li> <li>✓ On-site Trench Burial</li> </ul>
Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
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

	tems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.1	
Instructions: Please indentify the facility or fa- facilities are required.	cilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if i	more than two
Disposal Facility Name: Envirotech	Disposal Facility Permit Number: NM01-00	011
Disposal Facility Name: IEI	Disposal Facility Permit Number: NM01-00	)10B
Will any of the proposed closed-loop system oped Yes (If yes, please provide the information)	erations and associated activities occur on or in areas that will not be used for future sern below) $\square$ No	vice and operations?
Re-vegetation Plan - based upon the appro	sed for future service and operations: tions based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC opriate requirements of Subsection I of 19.15.17.13 NMAC oppropriate requirements of Subsection G of 19.15.17.13 NMAC	С
provided below. Requests regarding changes to	monstration of compliance in the closure plan. Recommendations of acceptable sour o certain siting criteria may require administrative approval from the appropriate dist ted to the Santa Fe Environmental Bureau office for consideration of approval. Justi	rict office or may be
Ground water is less than 50 feet below the botton NM Office of the State Engineer - iWA	om of the buried waste. TERS database search; USGS; Data obtained from nearby wells	Yes 🛛 No
Ground water is between 50 and 100 feet below - NM Office of the State Engineer - iWA'	the bottom of the buried waste TERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is more than 100 feet below the be - NM Office of the State Engineer - iWA'	ottom of the buried waste. TERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing water lake (measured from the ordinary high-water material and a Topographic map; Visual inspection (ce		☐ Yes ☑ No
	nool, hospital, institution, or church in existence at the time of initial application. roposed site; Aerial photo; Satellite image	☐ Yes 🖾 No
watering purposes, or within 1000 horizontal fee	c fresh water well or spring that less than five households use for domestic or stock et of any other fresh water well or spring, in existence at the time of initial application. TERS database; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
adopted pursuant to NMSA 1978, Section 3-27-	thin a defined municipal fresh water well field covered under a municipal ordinance 3, as amended.  In the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identifica	ation map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine Written confirmation or verification or r	nap from the NM EMNRD-Mining and Mineral Division	☐ Yes ☑ No
Within an unstable area.  - Engineering measures incorporated into Society; Topographic map	the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	☐ 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 pl	lan. Please indicate.
by a check mark in the box, that the documents  Siting Criteria Compliance Demonstration  Proof of Surface Owner Notice - based up Construction/Design Plan of Burial Trenc  Construction/Design Plan of Temporary F Protocols and Procedures - based upon th Confirmation Sampling Plan (if applicabl  Waste Material Sampling Plan - based up Disposal Facility Name and Permit Numb Soil Cover Design - based upon the appro Re-vegetation Plan - based upon the appro		15.17.11 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 believed to the best of my	
Name (Print): Malia Villers Title: Permitting Tech.	-
Signature: Date: June 9, 2010	
e-mail address: malia_villers@xtoenergy.com Telephone:(505) 333-3100	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) COD Conditions (see attachment)	
OCD Representative Signature: Franch Sell Approval Date: 7/	21/10
Title: Enviro/spec OCD Permit Number:	
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 is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	
Closure Completion Date:	
22.  Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loc If different from approved plan, please explain.	op systems only)
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-of	ff Bins Only:
Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attact two facilities were utilized.	chment if more than
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 open Yes (If yes, please demonstrate compliance to the items below) No	erations?
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	
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please inc	dicate, 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)	. T 1002
On-site Closure Location: Latitude Longitude NAD: 1927	□ 1983
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 k belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure	knowledge and plan.
Name (Print): Title:	W-100-12
Signature: Date:	
e-mail address:	



### Pit Permit Siting Criteria Information Sheet

Client:	;
Project:	Pit Permits
Revised:	6/8/2010
Prepared by:	Brooke Herb

F 970 385	Information Sheet	Prepared by:	Brooke Herb
API#:[	NA	USPLSS:	T30N, R13W, S10D
Name:	Five of Diamonds #90H	Lat/Long:	36.83326, -108.19770
Depth to groundwater:	>100'	Geologic formation:	Nacimiento Formation
Distance to closest continuously flowing watercourse:	1.29 miles east of the La Plata River		
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	314' south of North Twin Wash	_	
		Soil Type:	Entisols
Permanent residence, school, hospital, institution or church within 300'	NO		
· ·		Annual Precipitation:	8.21" - Farmington
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:	Site Visit Survey Hydrogeologic Report Topographic Map
Within defined municipal fresh water well field	МО		Aerial Photo Mines, Mills and Quarries Map FEMA Flood Zone Map
Wetland within 500'	NO	Mining Activity:	None identified in the vicinity
Within unstable area	NO		
Within 100 year flood plain	NO		
Additional Notes:			
	Page	1 of 1	

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

State of New Mexico
Energy, Minerals & Natural Resources Department

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

1000 Rio Brozos Rd., Aztec, N.M. 87410

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

DISTRICT III

DISTRICT IV

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

nergy, Minerals & Natural Resources Departme OIL CONSERVATION DIVISION Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

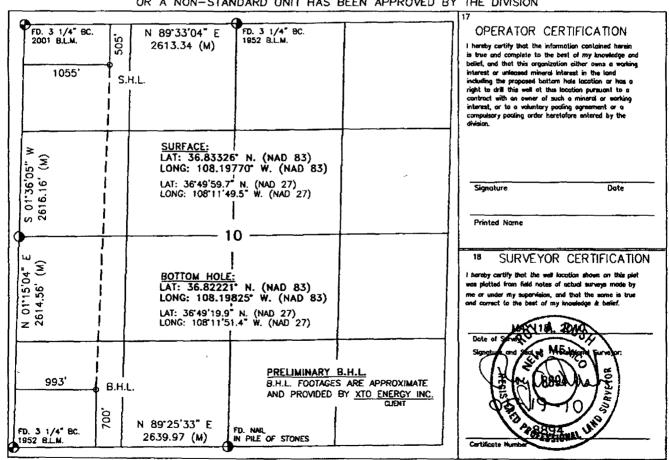
State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

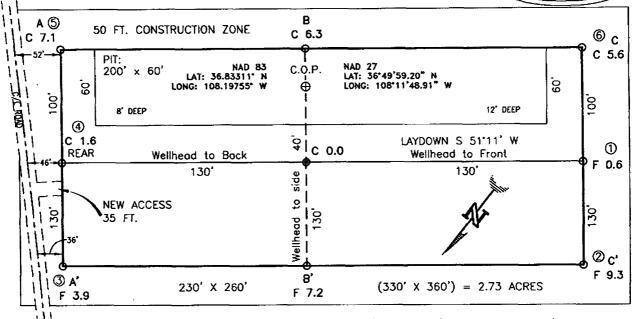
		1	NELL L	OCATIO	N AND A	CREAGE DED	ICATION PI	LAT	·				
¹ API	Number			<sup>2</sup> Pool Code			<sup>3</sup> Pool Nam	e	· · · · · · · · · · · · · · · · · · ·				
*Property Co	de		<u>l</u>		<sup>3</sup> Property Name								
					FIVE OF	DIAMONDS		ļ	90H				
OGRID No					*Operato	r Name			* Elevation				
					XTO ENER	RGY INC.			5657				
					10 Surfac	e Location							
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County				
D	10	30-N	13-W		505	NORTH	1055	WEST	SAN JUAN				
			13 Bott	om Hole	Location	If Different Fr	om Surface						
UL or lot no.	Section	Township	Ronge	Lot Jdn									
M	10	30-N	13-W	l	700 SOUTH 993 WEST SAN JUA								
<sup>2</sup> Dedicated Acre	3		13 Joint or I	r Fill	** Consolidation	Code	18 Order No.		<u> </u>				
							ŀ						
L			<u> </u>		<u> </u>		<u> </u>						

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



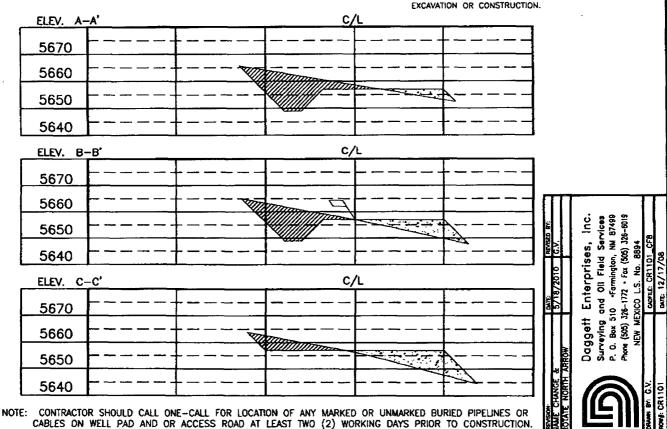
XTO ENERGY INC.
FIVE OF DIAMONDS No. 90H, 505 FNL 1055 FWL
SECTION 10, T30N, R13W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 5657' DATE: NOVEMBER 20, 2008

NAD 83 LAT. = 36.83326° N LONG. = 108.19770° W NAD 27 LAT. = 36'49'59.7" N LONG. = 108'11'49.5" 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.



### Five of Diamonds #90 H Below Ground Tank 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 surficial geology (Dane and Bachman, 1965). The proposed below ground tank location will be located on the flanks of the Farmington Glade between Aztec and La Plata, New Mexico. Within the Farmington Glade, the predominant geologic formation is the Nacimiento Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur prominently near the surface of the area, especially near streams and washes.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits, serve as the primary aquifers in the San Juan Basin (Stone et al., 1983). In most of the proposed area, the Nacimiento Formation lies at the surface and grades into the Animas Formation to the west. Thickness of the Nacimiento ranges from 418 to 2232 feet (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the Nacimiento Formation are between 0 and 1000 feet deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows toward the San Juan River and its tributaries.

The prominent soil type at the proposed site are entisols and aridisols, which are defined as soils that exhibit little to no profile development (www.emnrd.state.nm.us). Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the La Plata River. These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes the soils that cover the area.

The climate of the region is arid, averaging just over 8 inches of rainfall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation falls from August through October. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. November through June is relatively dry. Snow generally falls from December to mid-February and averages less than one-half inch in depth. However, most recharge occurs during the winter months during snowmelt periods from the upper elevations (Western Regional Climate Center www.wrcc.dri.edu).

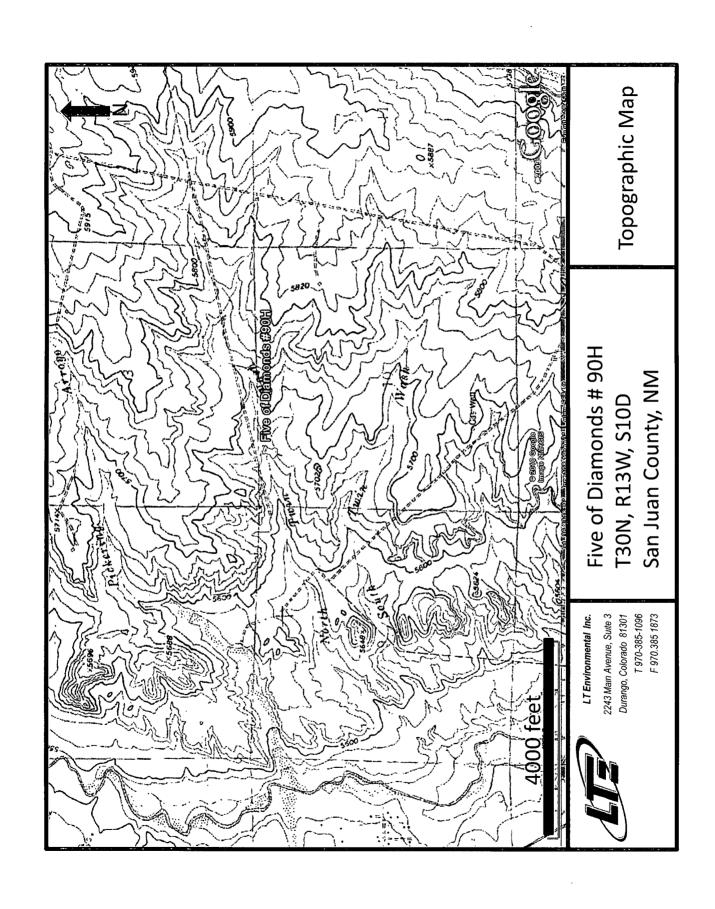
The predominant vegetation is sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).

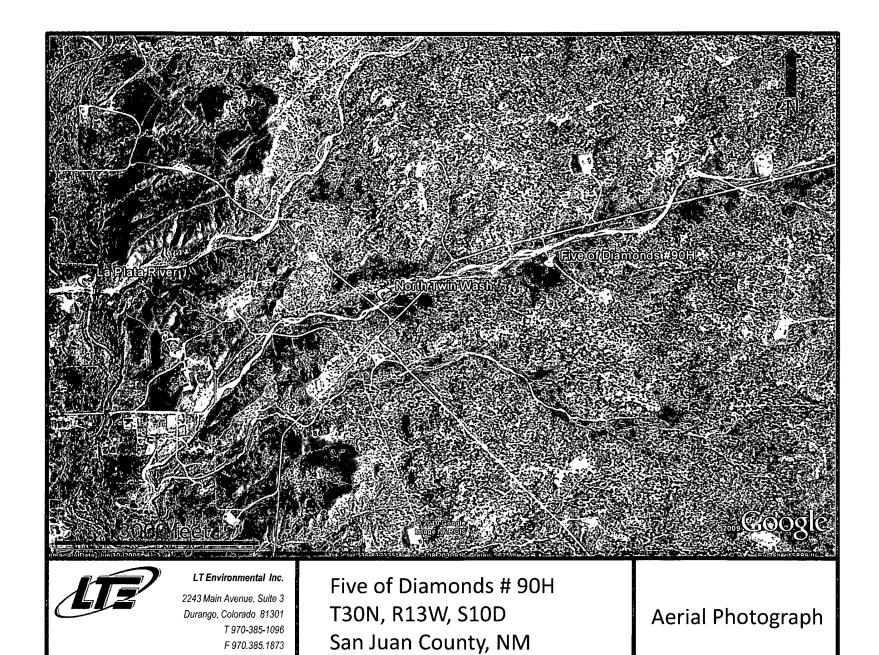
### **Site Specific Hydrogeology**

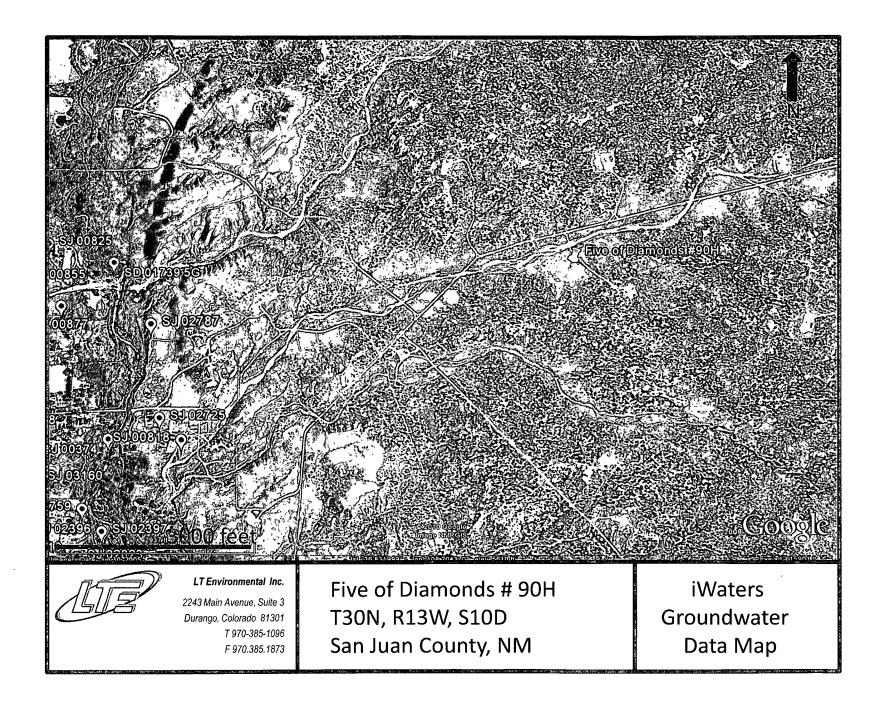
Depth to groundwater is estimated to greater than 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

Beds of water-yielding sandstone are present in the Nacimiento Formation, which are fluvial in origin and are interbedded with siltstone, shale and coal. Porous sandstones form the principal aquifers, while relatively impermeable shales form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the Nacimiento Formation at depths greater than 100 feet and thicknesses of the aquifer can be up to 3500 feet (USGS, Groundwater Atlas of the US). It is well known that groundwater close to the La Plata River can be shallow, as the Quaternary deposits near the river itself form shallow aquifers. The proposed site is situated over a mile to the east and is approximately 215 feet higher in elevation from the La Plata River.

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing location of wells in reference to the proposed pit location is also included. Wells located within the area contain groundwater at depths ranging from 9 to 140 feet. The site in question is located at an approximate elevation of 5668 feet. The closest well to the proposed site sits at an elevation of approximately 5506 feet, at a distance if approximately 1.15 miles to the west. Depth to groundwater within the well SJ 02087 is 140 feet below ground surface. Additionally, the site is over 150 feet higher in elevation than the nearby La Plata River. Therefore, depth to groundwater at the site is estimated to be greater than 100 feet.









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

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

	***************************************		(quarte	าร ฮ	re:	sma	allest	to larg	est)	(NAD83 UTM	l in meters)		(In fe	et)
	Sub				Q		_	_	_					Water
POD Number	basin	Use	County	64	16	4	Sec	Tws	Rng	X	Y	Well	Water	Column
SJ 00132		IRR	SJ	4	4	3	05	30N	13W	212013	4081544*	100	46	54
SJ 00156		DOM	SJ			3	32	30N	13W	211373	4073861*	44	18	26
SJ 00215		DOM	SJ		3	4	29	30N	13W	212010	4075217*	55	35	20
SJ 00217		DOM	SJ			3	32	30 <b>N</b>	13W	211373	4073861*	40	10	30
SJ 00262		DOM	SJ			2	29	30N	13W	212264	4076209*	38	25	13
SJ 00293		DOM	SJ			2	80	30N	13W	212481	4081034*	50	30	20
SJ 00328		DOM	SJ			2	80	30 <b>N</b>	13W	212481	4081034*	33	21	12
SJ 00374	•	DOM	SJ		2	4	80	30 <b>N</b>	13W	212651	4080421*		56	
SJ 00448		DOM	SJ			4	29	30N	13W	212211	4075418*	45	20	2
SJ 00467		DOM	SJ		4	4	30	30N	13W	210798	4075254*	36	21	18
SJ 00587		DOM	SJ	2	4	3	80	30N	13W	211941	4080134*	72	48	24
SJ 00818		DOM	SJ		1	3	09	30N	13W	213038	4080412*	130	32	98
SJ 00855		DOM	SJ		1	2	80	30N	13W	212296	4081236*	50	25	2
SJ 00868		DOM	SJ			2	29	30N	13W	212264	4076209*	49	25	24
SJ 00877		DOM	SJ			2	80	30N	13W	212481	4081034*	60	30	36
SJ 00992		DOM	SJ	1	1	2	28	30N	13W	213591	4076455*	624	306	318
SJ 01040		SAN	SJ		2	2	29	30N	13W	212499	4076394*	49	20	2
SJ 01068		DOM	SJ		1	2	80	30N	13W	212296	4081236*	53	28	2
SJ 01101		DOM	SJ			1	80	30N	13W	211678	4081050*	41	26	15
SJ 01117		DOM	SJ	4	1	3	26	30N	13W	216138	4075364*	360	300	60
SJ 01119		DOM	SJ	4	4	1	26	30N	13W	216560	4075758*	370	300	70
SJ 01150		DOM	SJ		4	1	32	30N	13W	211591	4074440*	37	16	2
SJ <b>01</b> 181		DOM	SJ	3	3	3	26	30N	13W	215917	4074959*	257	230	2
SJ 01344		DOM	SJ	2	1	4	01	30N	13W	218849	4081883*	42	27	1:
SJ 01357		DOM	SJ		2	2	29	30N	13W	212499	4076394*	71	56	1:
SJ 01359		DOM	SJ		1	3	32	30N	13W	211179	4074057*	25	10	1
SJ 01454		DOM	SJ	1	1	3	26	30N	13W	215938	4075564*	400	350	5
SJ 01463		DOM	SJ			2	80	30N	13W	212481	4081034*	52	30	2:
SJ 01502		DOM	SJ			4	29	30N	13W	212211	4075418*	47	20	2

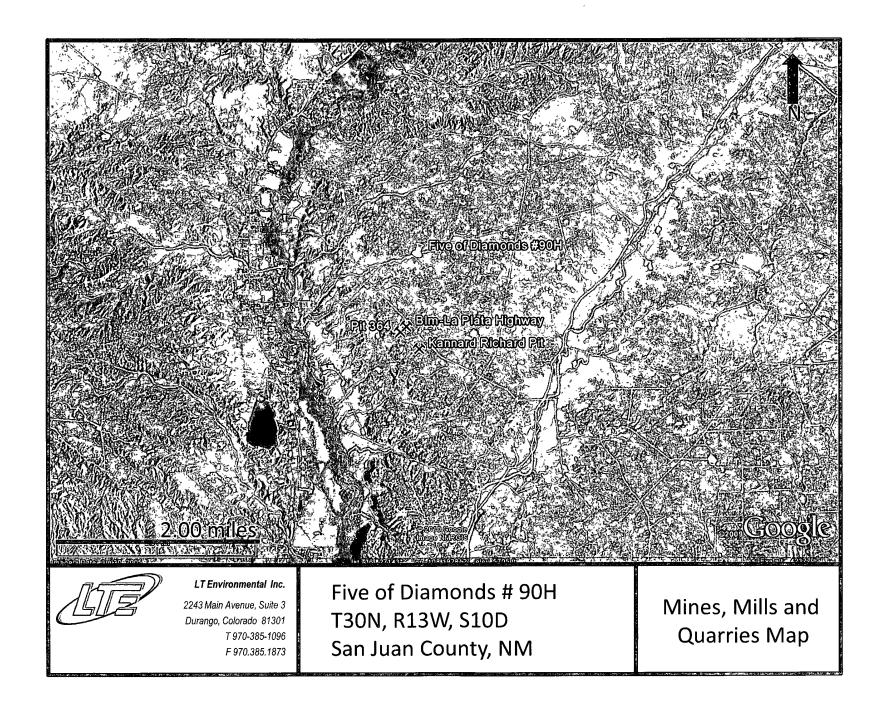
Page 1 of 3

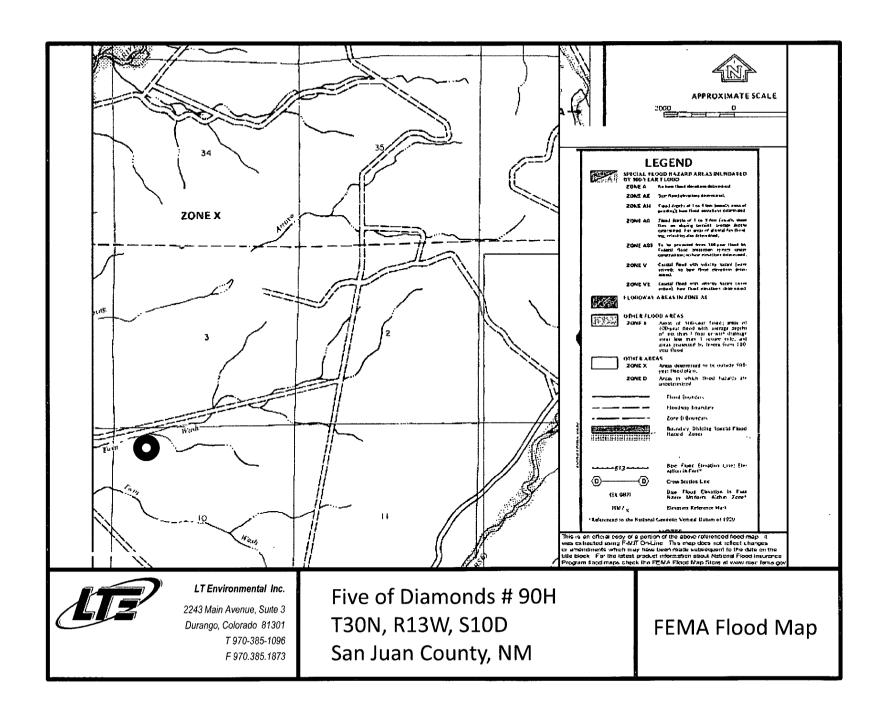
#### (quarters are 1=NW 2=NE 3=SW 4=SE)

			(quarte	rs a	re :	sma	ıllest :	to larg	est)	(NAD83 UTN	A in meters)	<b></b>	(In fee	t)
	Sub				Q		_	_	_				Depth '	
POD Number	basin	Use	County	64	16	4	Sec	Tws	Rng	X	Y	Well	WaterC	olumn
SJ 01503		DOM	SJ	2	2	4	26	30N	13W	217337	4075533*	310	260	50
SJ 01736		DOM	SJ	3	4	1	26	30N	13W	216360	4075758*	332	300	32
SJ 01895		DOM	SJ	4	2	3	26	30N	13W	216538	4075354*	370	250	120
SJ 02159		DOM	SJ		3	4	29	30N	13W	212010	4075217*	40	15	25
SJ 02225		DOM	SJ	2	2	3	26	30N	13W	216538	4075554*	339	300	39
SJ 02268		DOM	SJ			2	80	30N	13W	212481	4081034*	30	21	9
SJ 02326		DOM	SJ	3	1	2	80	30N	13W	212195	4081135*	42	35	7
SJ 02391		DOM	SJ	1	1	1	35	30N	13W	215906	4074756*	260	200	60
SJ 02396		DOM	SJ		4	4	80	30N	13W	212630	4080017*	30	10	20
SJ 02397		DOM	SJ		4	4	80	30N	13W	212630	4080017*	31	15	16
SJ 02574		DOM	SJ	4	4	2	17	30N	13W	212704	4079115*	26	9	17
SJ 02647		DOM	SJ	4	3	4	11	30N	13W	217126	4079758*	76	58	18
SJ 02674		DOM	SJ	4	4	3	27	30N	13W	214922	4075007*	270	250	20
SJ 02725		DOM	SJ	1	1	3	09	30N	13W	212937	4080511*	110	100	10
SJ 02735		DOM	SJ	4	3	2	80	30N	13W	212379	4080732*	43	23	20
SJ 02754		DOM	SJ	4	4	4	29	30N	13W	212513	4075101*	65	65	0
SJ 02787		DOM	SJ	1	3	1	09	30N	13W	212962	4080916*	235	140	95
SJ 02823		DOM	SJ	3	4	4	08	30N	13W	212529	4079916*	40		
SJ 02919		DOM	SJ	4	3	4	80	30N	13W	212346	4079925*	45		
SJ 02943		DOM	SJ	2	1	2	17	30N	13W	212330	4079724*	60		
SJ 03017		DOM	SJ	2	4	2	17	30N	13W	212704	4079315*	37	20	17
SJ 03029		DOM	SJ	1	2	2	17	30N	13W	212517	4079715*	65	45	20
SJ 03046		DOM	SJ	4	2	2	29	30N	13W	212598	4076293*	80	30	50
SJ 03160		DOM	SJ	4	1	4	80	30N	13W	212362	4080329*	60	8	52
SJ 03195		DOM	SJ	1	1	4	80	30N	13W	212162	4080529*	60	35	25
SJ 03196		DOM	SJ	2	1	4	80	30N	13W	212362	4080529*	41	20	21
SJ 03283		DOM	SJ	2	4	2	05	30N	13W	212832	4082534*	20	8	12
SJ 03326		DOM	SJ	3	3	1	08	30N	13W	211376	4080748*	55	30	25
SJ 03328		DOM	SJ	1	1	4	80	30N	13W	212162	4080529*	60		

<sup>\*</sup>UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.







Malia Villers/FAR/CTOC

06/09/2010 01:16 PM

To Mark Kelly

CC

bcc

Subject Notice - Five of Diamonds #90H Well Site

RE: Five of Diamonds #90H

Sec. 10 (D) - T30N - R13W, 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 proposal to close the temporary pit associated with the aforementioned location by means of in place on site burial.

Should you have any question or require additional information please feel free to contact me at your earliest convenience (505) 333-3698.

Malia Villers Permitting Tech. XTO Energy Inc. 505-333-3100

Direct: 505-333-3698

malia villers@xtoenergy.com

### 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.
- 2. Prior to constructing the pit, topsoil will be stockpiled in the construction zone for later use in restoration.
- 3. 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.
- 10. 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.
- 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.
- 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.
- 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 of 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.
- 3. 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.