District I 1625 N Distric 1301 Distric 1000 L Distric 1000 L Distric 1220 S. St. Frances Dr. Santa Fe, NM 87505 100 L 101 L 102 S. St. Frances Dr. Santa Fe, NM 87505 102 S. St. Frances Dr. Santa Fe, NM 87505	State of New Mexico and Natural Resources partment rvation Division 220 South St. Francis Dr. Santa Fe, NM 87505	Form C-144 July 21, 2008 For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
Pit, Closed-L	oop System, Below-Grade T	Sank, or
Proposed Alternative	Method Permit or Closure P	Plan Application
Existing BGT Closure of a pit, Modification to	y submitted for an existing permitted or	or proposed alternative method
Instructions: Please submit one application (Form	C-144) per individual pit, closed-loop syste	em, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the environment. Nor does approval relieve the operator of its respon	operator of liability should operations result in sibility to comply with any other applicable go	n pollution of surface water, ground water or the overnmental authority's rules, regulations or ordinances.
t. Operator: <u>XTO Energy, Inc.</u>	OGRID #	5380
Address: #382 County Road 3100, Aztec, NM 87410		
Facility or well name: Fred Feasel H #1E		
API Number: <u>30-045-24670</u>		
U/L or Qtr/QtrOSection33 Townsl		
Center of Proposed Design: Latitude <u>36.61388</u>		
Surface Owner: X Federal State Private Tribal Tr		
Surface Owner: A Federal State Frivate Infoat In		
 2. Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thickness	nil 🗌 LLDPE 🗌 HDPE 🗌 PVC 🗌 Ot	her
Liner Seams: Welded Factory Other	Volume: bbl	Dimensions: L x W x D
3. Closed-loop System: Subsection H of 19.15.17.11 NM Type of Operation: P&A Drilling a new well W intent) Drying Pad Drying Pad Above Ground Steel Tanks Lined Unlined Liner type: Thickness Liner Seams: Welded	orkover or Drilling (Applies to activities whi off Bins Other	
4.		
Below-grade tank: Subsection I of 19.15.17.11 NMA	C Produced Water	
Tank Construction material:Steel		
Secondary containment with leak detection Visible		
□ Visible sidewalls and liner □ Visible sidewalls only	Other _Visible sidewalls, vaulted, auton	natic high-level shut off, no liner
Liner type: Thicknessmil 🔲 HDI	PE PVC Other	
5.		
<u>Alternative Method</u>: Submittal of an exception request is required. Exceptions m	nust be submitted to the Santa Fe Environme	ental Bureau office for consideration of approval.

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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 Four foot height, steel mesh field fence (hogwire) with pipe top railing

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen Netting Other Expanded metal or solid vaulted top

Monthly inspections (If netting or screening is not physically feasible)

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:

10.

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

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

 11. <u>Temporary Pits, Emergency Pits, an</u> <i>Instructions: Each of the following a</i> <i>attached.</i> Mydrogeologic Report (Below-g Hydrogeologic Data (Temporary Siting Criteria Compliance Dem 	<i>items must be attached</i> grade Tanks) - based up y and Emergency Pits)	to the application. Please on the requirements of Pa - based upon the requirem	e indicate, by a check mari ragraph (4) of Subsection E ents of Paragraph (2) of Su	k in the box, that the documents are B of 19.15.17.9 NMAC bsection B of 19.15.17.9 NMAC
 Design Plan - based upon the ap Operating and Maintenance Plan 	propriate requirements n - based upon the appr	of 19.15.17.11 NMAC opriate requirements of 19	0.15.17.12 NMAC	s of Subsection C of 19.15.17.9 NMAC
Previously Approved Design (atta	ich copy of design) A	API Number:	or Permit	Number:
12.				
Closed-loop Systems Permit Applica Instructions: Each of the following a attached.	items must be attached	to the application. Pleas	e indicate, by a check marl	
 Siting Criteria Compliance Der Design Plan - based upon the approximate of the second se	nonstrations (only for oppropriate requirements	on-site closure) - based up s of 19.15.17.11 NMAC	on the appropriate requirem	
Operating and Maintenance Pla Closure Plan (Please complete and 19.15.17.13 NMAC				ts of Subsection C of 19.15.17.9 NMAC
Previously Approved Design (atta	ch copy of design)	API Number:		
Previously Approved Operating a		API Number:	(Applie	s only to closed-loop system that use
above ground steel tanks or haul-off b	ins and propose to imp	lement waste removal for	closure)	
attached. Hydrogeologic Report - based of Siting Criteria Compliance Der Climatological Factors Assessin Certified Engineering Design P Dike Protection and Structural Leak Detection Design - based Liner Specifications and Comp Quality Control/Quality Assura Operating and Maintenance Pla Freeboard and Overtopping Pre Nuisance or Hazardous Odors, Emergency Response Plan Oil Field Waste Stream Characc Monitoring and Inspection Plan Closure Plan - based upon the a	nonstrations - based up nent lans - based upon the a Integrity Design - based upon the appropriate re atibility Assessment - b nice Construction and h in - based upon the appi evention Plan - based up including H ₂ S, Prevent terization	on the appropriate require ppropriate requirements of d upon the appropriate rec equirements of 19.15.17.1 based upon the appropriate nstallation Plan ropriate requirements of 1 bon the appropriate requir ion Plan	ments of 19.15.17.10 NMA f 19.15.17.11 NMAC uirements of 19.15.17.11 N NMAC requirements of 19.15.17.1 9.15.17.12 NMAC ements of 19.15.17.11 NMA	C MAC 1 NMAC AC
Proposed Closure: 19.15.17.13 NM. Instructions: Please complete the ap Type: Drilling Workover Alternative Proposed Closure Method: Waste Waste On-si	Emergency Cavitat Excavation and Remo e Removal (Closed-loo te Closure Method (On In-place Burial	tion P&A Perma val p systems only) ly for temporary pits and On-site Trench Buria	ent Pit 🛛 Below-grade T closed-loop systems)	
15. Wester Francisco et Demost Cla		(10.15.17.12.004.00.7	function of Fach - Cal Cal	awing items must be attacked at the
Waste Excavation and Removal Clo closure plan. Please indicate, by a cl Protocols and Procedures - base Confirmation Sampling Plan (if	heck mark in the box, t ed upon the appropriate f applicable) - based up	that the documents are at requirements of 19.15.17 on the appropriate require	ached. 13 NMAC ments of Subsection F of 19	
 Disposal Facility Name and Per Soil Backfill and Cover Design Re-vegetation Plan - based upo Site Reclamation Plan - based upo 	Specifications - based n the appropriate requir	upon the appropriate requirements of Subsection I of	irements of Subsection H o 19.15.17.13 NMAC	f 19.15.17.13 NMAC

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• 16.	
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13. Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if facilities are required.	
Disposal Facility Name: Disposal Facility Permit Number:	
Disposal Facility Name: Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future set Yes (If yes, please provide the information below) No	
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	С
^{17.} Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate disc considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Just demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	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 ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA
 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality 	Yes No
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No
Within a 100-year floodplain. - FEMA map	Yes No
 18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19 	

Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Operator Application Certification:		
I hereby certify that the information submitted with this application is		
Name (Print): Kim Champlin	Title:	Environmental Representative
Signature: Kim Champlin	Date:	_01/23/09
e-mail address: kim champlin@xtoenergy.com		(505) 333-3100
DCD Approval: Permit Application (including closure plan)	Closure Plan (only) 🔲 OC	D Conditions (see attachment)
OCD Representative Signature:		Approval Date:
Fitle:	OCD Permit Nu	mber:
n. Closure Report (required within 60 days of closure completion): Instructions: Operators are required to obtain an approved closure p The closure report is required to be submitted to the division within 6 section of the form until an approved closure plan has been obtained	olan prior to implementing an 0 days of the completion of th and the closure activities hav	y closure activities and submitting the closure repor e closure activities. Please do not complete this e been completed.
	Closure Con	npletion Date:
2. Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain.	Alternative Closure Metho	d 🗌 Waste Removal (Closed-loop systems only)
23. Closure Report Regarding Waste Removal Closure For Closed-loo Instructions: Please indentify the facility or facilities for where the la two facilities were utilized.	p Systems That Utilize Abov iquids, drilling fluids and dril	e Ground Steel Tanks or Haul-off Bins Only: I cuttings were disposed. Use attachment if more that
Disposal Facility Name:	Disposal Facility	Permit Number:
Disposal Facility Name:		Permit Number:
Were the closed-loop system operations and associated activities performed activities performed by Yes (If yes, please demonstrate compliance to the items below)		ot be used for future service and operations?
Required for impacted areas which will not be used for future service a Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique	and operations:	
 Closure Report Attachment Checklist: Instructions: Each of the formark 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) 	ollowing items must be attach	ed to the closure report. Please indicate, by a check
 Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-sit Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) 		
 Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-sit Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 		NAD: 1927 1983
 Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-sit Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) 	Longitude	ate and complete to the best of my knowledge and
 Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-sit 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 Coperator Closure Certification: I hereby certify that the information and attachments submitted with th 	Longitude is closure report is true, accura re requirements and condition	ate and complete to the best of my knowledge and
 Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-sit 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 Coperator Closure Certification: I hereby certify that the information and attachments submitted with the belief. I also certify that the closure complies with all applicable closure 	Longitude is closure report is true, accura re requirements and conditions Title:	ate and complete to the best of my knowledge and s specified in the approved closure plan.

Arter			Client:	XTO Energy
Lodestar Service	s, inc.	Pit Permit	Project:	Pit Permits
TO Box 4465, Durane	CO 81302	Siting Criteria	Revised:	21-Jan-09
V		Sitting Criteria	Prepared by:	Brooke Herb
API#;[3	0-045-24670	USPLSS:	T28N,R10W,S330
Name:	FEAS	SEL FRED H #1E	Lat/Long:	36.61388, -107.89688
Depth to groundwater:		> 100	Geologic formation:	Nacimiento Formation
				and the second and the an arrival second second provide the second second second second second second second s
Distance to closest continuously flowing watercourse:	5.80 mile	s S of San:Juan River		
Distance to closest significant watercourse, lakebed, playa lake, or	3080' E of se Canyon Wa	W of Armenta Canyon; condary tributary of Kutz sh; 3.20 miles E of Kutz		
sinkhole:	Canyon wa	ish; 4698' S of concrete	a start	
	ina di sa kata Katang Kata		Soil Type:	Entisõls
Permanent residence, school, hospital, institution or church within 300'		No		
	الحديد بي المراجع عليه المراجع من المراجع من المراجع من المراجع من ال		Annual Precipitation:	8.71 inches (Bloomfield)
Domestic fresh water well or spring within 500'		No	Precipitation Notes:	Historical Daily Max Bloomfield 4.19
Any other fresh water well or spring within 1000'		Ňo		
1000	and a second			
Within incorporated municipal boundaries		No	Attached Documents:	Groundwater report and Data; FEMA Flood Zone Map
Within defined municipal fresh water well field		No		Aerial Photo, Topo Map, Mines Mills and Quarries Ma
Wetland within 500'		No	Mining Activity:	
	a la bitante de Presidentes	n an an an an an an an an ann an ann an		None Near
Within unstable area		No		
	and and the			
Within 100 year flood plain	No - FE	MA Flood Zone 'X'		
The sea of the season	and the part of the			manation & water in gate a want to see
Additional Notes:				

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107 kevised 10-1-78

SANTA	FE,	NEW MEXICO	87501
distance much b		the outer houndaries	of the Section

erroter Lesse Well No. ANCOD PRODUCTION COMPANY Township FRED FEASEL "H" IE 0 33 28M 10W San Juan 100 10W San Juan County Ime 970 feet from the South = interest Ime Dedicated Access 970 feet from the South = interest Dedicated Access 971 Dakota Basin Dakota 320 10. Outline the arreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royally). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners be dated by communitization, force-pooling, etc? EXX Yes No If answer is "roys," type of coasolidation Operating Agreements If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reve this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the sion. CERTIFICATION Name B.E. FACKRELL Name District ENGINER OUT 1980 SE-OUECAL SUNVET 33 U sout	1E Acreage: 320 Acre low. oth as to workin ers been consol e reverse side of ion, unitization by the Commis	
ATCOM PROTON Country San Juan 0 33 26N 10W San Juan 970 settion Yest from the South = 1100 cmd 1625 feet from the East Inne 970 settion the South = 1100 cmd Pool Basin Dakota 320 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners be dated by communitization, unitization, force-pooling, otc? Immediate interests of consolidation Operating Agreements If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverthis form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the sion. Immediate Immed	Acreage: 320 Acre low. oth as to workin ars been consol e reverse side of ion, unitization l by the Commis	
In Summer 33 28N IOW San Juan Sind Footage Location of Wells 33 28N IOW San Juan 970 feet from the South = line end 1625 feet from the East Ine 6197 Dakota Basin Dakota 320 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3. 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners be dated by communitization, unitization, force-pooling, etc? Derating Agreements IXIN Yes No If answer is "yes," type of consolidation Operating Agreements If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reve this form if necessary.) No silowable will be assigned to the well until all interests have been consolidated (by communitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the sici of ny know the agree and be as if ny know the agree and be as if ny know the agree and be as if on y know the agree and be as if on y know the agree and be as if on y know the agree and be as if on y know the agree and be as if on y know the agree and be as if on y know the agree and be as if on y know the agree agree and be as if on y know the agree agree and be asto on y know the agre	320 Acre low. oth as to workin ars been consol e reverse side of ion, unitization l by the Commis	
Stud Footoge Location of Wellt 970 feet from the South = line and 1625 feet from the East Item 970 feet from the South = line and 1625 feet from the East Item 970 feet from the South = line and 1625 feet from the East Item 970 Dakota Pool Dedicated Arreage 10. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners be dated by communitization, unitization, force-pooling.etc? IMM Yes No If answer is "yes," type of coasolidation Operating Agreements If answer is "no?" list the owners and tract descriptions which have actually been consolidated. (Use rever this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, if orced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the sion. CERTIFICATION RECEIVED RECEIVED No RECEIVED No <td colspa<="" td=""><td>320 Acre low. oth as to workin ars been consol e reverse side of ion, unitization l by the Commis</td></td>	<td>320 Acre low. oth as to workin ars been consol e reverse side of ion, unitization l by the Commis</td>	320 Acre low. oth as to workin ars been consol e reverse side of ion, unitization l by the Commis
970 test from the South ⇒ ine and 1625 test from the East Ine 0und Lywei Elev. Producing Formation Pasin Dakota Dedicated Acreed 320 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners be dated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation Operating Agreements If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use revertify insolved) or until a non-standard unit, eliminating such interests, has been approved by the sion. CERTIFICATION RECEIVED Set. SE-O46663 NMCO PRODUCTION No allowable will be assigned to the well 33 NMCO PRODUCTION Name B.E. FACKRELL Fouliton Date North of my houriedge and built 33 NMCO PRODUCTION No Set. SF-O46663 NMCO PRODUCTION U.S. SCOUCSICAL SUNCT 33 NMCO PRODUCTION	320 Acre low. oth as to workin ars been consol e reverse side of ion, unitization l by the Commis	
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FEASEL FRED H #1E Below Ground Tank Hydrogeologic Report for Siting Criteria

General Geology and Hydrology

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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 pit location will be located in the southern Kutz Canyon region of the San Juan Basin. 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' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows toward the San Juan River.

The prominent soil type at the proposed site are entisols and aridisols, which are defined as soils that exhibit little to no any 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 San Juan 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 sudden influx of water from storm events easily erodes the soils that cover the area and prohibits effective recharge to the underlying aquifers.

Dry and arid weather further prohibit active recharge. The climate of the region is arid, averaging 8 to 12 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). However, vegetation is very sparse and discontinuous.

Site Specific Hydrogeology

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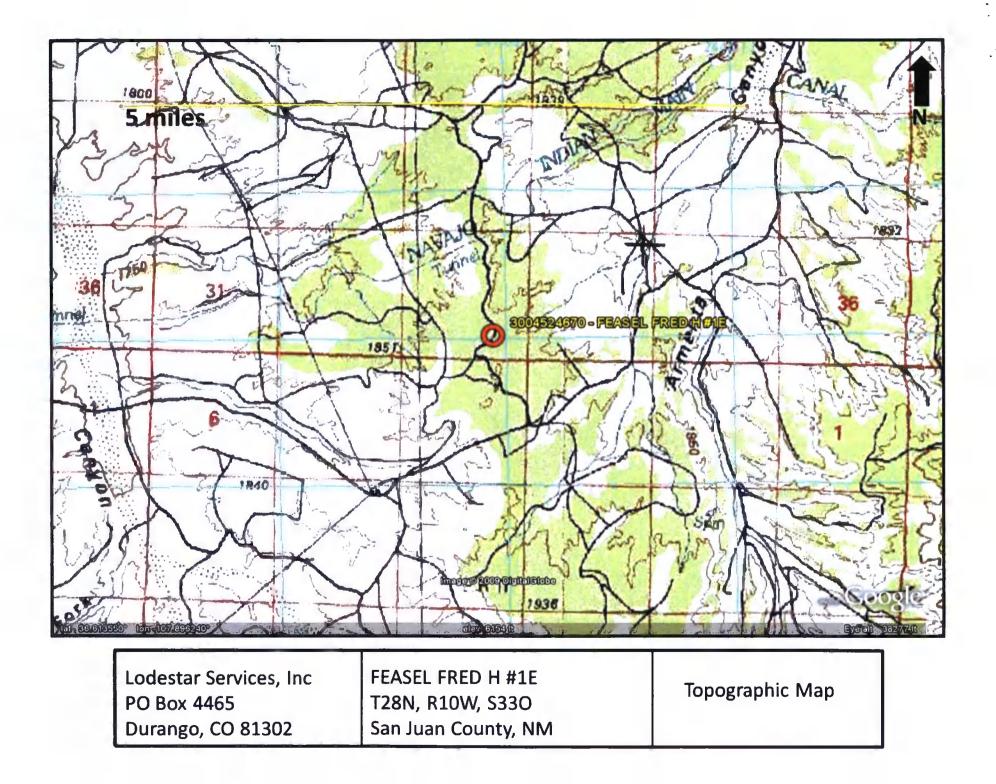
Depth to groundwater is estimated to be greater than 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity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

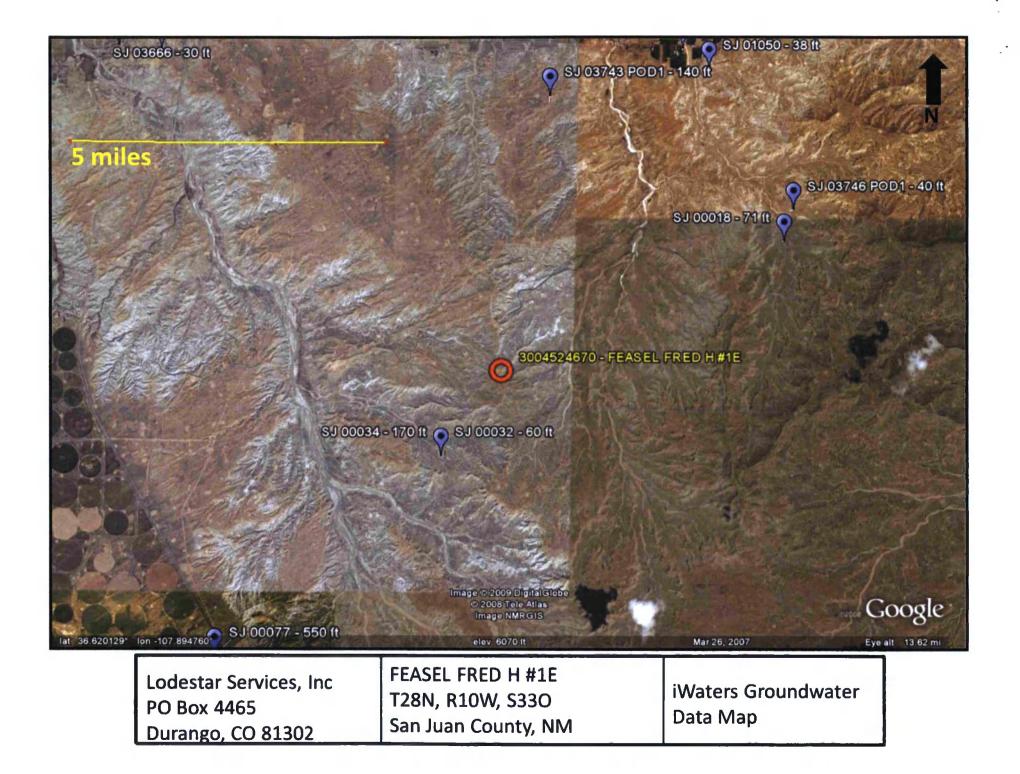
Beds of water-yielding sandstone are present in the Nacimiento Formation, which are fluvial in origin and are interbedded with siltstone, shale and coal. Porous sandstones form the principal aquifers, while relatively impermeable shales form confining units between the aquifers (Stone et al., 1983). 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).

The site in question is located near Kutz Canyon, where deeply eroded sandstone-capped mesas and slope-forming mudstones occur in a sparsely vegetated and arid badlands-type setting. Broad shalely hills are interspersed with occasional sandstone outcrops, and systems of dry washes and their tributaries are evident on the attached aerial image.

The pit will be located on a relatively flat mesa top at an elevation of approximately 6206 feet. It will be approximately 3080 feet from the Kutz Canyon tributary system and 3.20 miles east of Kutz Wash. Groundwater is expected to be shallow within Kutz Wash. However, the significant distance between the Canyon and the site, as well as an elevation difference of around 500 feet suggests groundwater is greater than 100 feet at the proposed site.

State iWaters data points are sparsely distributed in this region, but there is an iWaters data point approximately 1.65 miles to the south-southwest of the site. Depth to groundwater within the well is 170 feet below ground surface. A map showing the location of wells in reference to the proposed pit location is attached (SJ00034).





New Mexico Office of the State Engineer POD Reports and Downloads

Township: 29h Range: 10V Sections:

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WATER COLUMN REPORT 10/27/2008

	(quarters	are	: 1=1		2=	ne :	3=SW 4=SE)							
	(quarters	are	: big	gge	st	to	smallest)			Depth	Depth	Water	(in	feet)
POD Number	Tws	Rng	Sec	q	q	q	Zone	Х	Y	Well	Water	Column		
RG 36732 DCL	29N	10W	25	2						500	450	50		
SJ 00785 S	29N	10W	04	2	4	2				20				
SJ 00680	29N	10W	13	2	2					40	10	30		
SJ 00785 NEW	29N	10W	13	4						60	20	40		
SJ 00785 S-2	29N	10W	13	4						60	20	40		
SJ 03023	29N	10W	13		3					90	65	25		
SJ 03502	29N	10W	13	1	3	1				150				
SJ 03081	29N	10W	18	3	1	1				20				
SJ 02078	29N	10W	19	3	1	1				40	a,	31		
SJ 00303	29N	10W	19	3	3					20	5	15		
SJ 02860	29N	10W	19	4	4	4				21	2	19		
SJ 02900	29N	10₩	20	3	1	2				70				
SJ 01140	29N	10W	20	3	2	2				25	ő	19		
SJ 01990	29N	100	20	4	1					40	12	23		
SJ 02548	29N	10W	20	4	4					12	2	10		
SJ 02547	29N	100	20	4	4					12	2	1.0		
SJ 03535	29N	10W	21	3	2	3				15				
SJ 03455	29N	10W	21	3	3	1				20	17	3		
SJ 03456	29N	10W	21	3	3	2				,2,0	17	3		
SJ 03441	29N	10W	21	4	3	3				40	30	10		
SJ 03470	29N	10W	21	4	3	4				20	7	13		
SJ 01474	29N		21	4	4					25				
SJ 03180	29N	10W		4	-	4				50	15	35		
SJ 03713 POD1	29N	10W	22	2	3					265	20	245		
SJ 02820	29N	10W	23		1	1				82	16	66		
SJ 02896	29N		24	1	4	1				110	34	76		
SJ 02275	29N	10W	24	1	4	2				40	20	20		

SJ 00092	29N	10W 24	2	4	2				33		
SJ 02802	29N	10W 24	3	1	2				132	30	102
SJ 02907	29N	10W 24	3	2	3				60		
SJ 02122	29N	10W 25	4	1					60	12	43
SJ 01019	29N	10W 26	4	3	3				50	4	46
SJ 01056	29N	10W 27	3	2					50	31	19
SJ 02216	29N	10W 28	1	2.					30	7	23
SJ 03582	29N	10W 28	1	3	3				10	4	õ
SJ 02151	29N	10W 28	2	1	2	W	484600	2075600	37	20	17
SJ 03652	29N	10W 28	2	2	1				34	ē	28
SJ 03142	29N	10W 28	2	2	2				38	22	16
SJ 03637	29N	10W 28	2	3	1				21	10	11
SJ 03582 POD2	29N	10W 28	2	3	3				28	5	23
SJ 02840	29N	10W 28	3	4	1				55	32	23
SJ 00506	29N	10W 28	-4	3					78	55	23
SJ 00662	29N	10W 28	4	4	3				93	70	23
SJ 00497	29N	10W 29	3	2	3				85	35	50
SJ 03777 POD1	29N	10W 29	4	4	2		270344	2071311	100	5Ū	50
SJ 00473	29N	10W 30	2	4					58	10	48
SJ 03743 POD1	29N	10W 33	4	4	3				490	140	350
SJ 01051	29N	10W 35	2	2	2				90	30	60
SJ 01050	29N	10W 36	1	4					85	38	47

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New Mexico Office of the State Engineer POD Reports and Downloads

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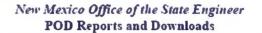
Township: 29h Range: 09W Sections: 3.4.5.6.7.8.9.10

WATER COLUMN REPORT 10/24/2008

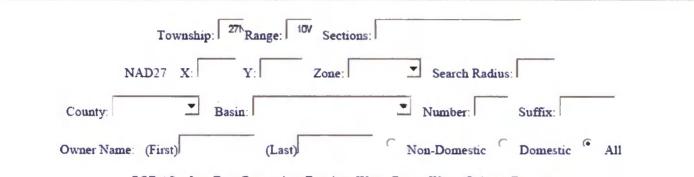
	(quarters	are	1=	NW	2=	-NE	3=SW 4=SE)	+						
	(quarter	are	bi	gge	st	to:	smallest))		Depth	Depth	Water	(in	feet)
POD Number	Tws	Rng	Sec	P	P	P	Zone	X	Y	Well	Water	Column		
SJ 02369 CLW	29N	0.977	03	1	2	4				13	10	3		
SJ 02376	29N	09W	03	1	2	4				13	10	3		
SJ 02369	29N	09W	03	1	2	4				23				
SJ 02103	29N	0.977	03	1	3					21	4	17		
SJ 01494	2 9 N	0.9W	03	2	2					12	5	7		
SJ 03300	29N	0.9W	03	2	2	2				21	4	17		
SJ 03362 POD2	2 9 N	0.910	03	2	2	4				21	6	15		
SJ 03362	2 9N	09W	03	2	2	-				38	12	26		
SJ 02567	2 9 N	09W	03	2	4	1				14	2	12		
SJ 03200	29N	0.997	03	3	1	1				28	13	15		
SJ 02946	2 9 N	09W	03	4	2	1				95	40	53		
SJ 03490	29N	0.9 W	04	1	1	3				42	20	22		
SJ 03491	291	0971	04	1	1	3				70				
SJ 03566	2 9 N	09W	04	1	3	4				30				
SJ 03531	29N	099	04	1	4	1				30				
SJ 03530	2 9N	0.9W	04	1	4	1				30				
SJ 03466	29N	09W	04	2	1	3				40				
SJ 02554	29%	0.9W	0.4	2	1	4				13	5	9		
SJ 03118	2 9 N	09W	05	2	2	3				250				
SJ 03092	29N	0.977	05	4	1	1				40	16	24		
SJ 03182	2 9N	0.9W	05	4	1	1				42	18	24		
SJ 03599	29N	0.957		4	1	ì				42	20	22		
SJ 00584	29N	0.977	06	3	4					143	40	103		
SJ 00785	29N	0.9%	07	3	4	2				60				
SJ 03389	29N	0.91	07	4	4	2				2.0				
SJ 03536	29%	0.977	07	4	4	2				19	é	13		
SJ 01176	29N	099		1	1	-				150	70	80		

SJ 02822	29N	0.5% 0.8	<u> </u>	1	3	100		
SJ 00436	2 9 N	097 08	1	3		150	100	-5,0
SJ 03534	291	0.9W 0.8	3	1	3	42	24	17
SJ 02279	29N	0.97 0.9	1	1	4	30	÷	24
SJ 00102	29N	09W 09		2	1	2.0	5	1.5

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POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

WATER COLUMN REPORT 10/30/2008

	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)									Depth	Depth	Water	(in feet)
POD Number	Tws	Rng	Sec	P	q	P	Zone	X	Y	Well	Water	Column	
SJ 00032	278	10W	98	2	2	3				235	60	175	
SJ 00033	27N	10W	08	2	2	3				204			
SJ 00034	27N	100	99	2	12	3				235	170	65	

Record Count: 3

New Mexico Office of the State Engineer POD Reports and Downloads -

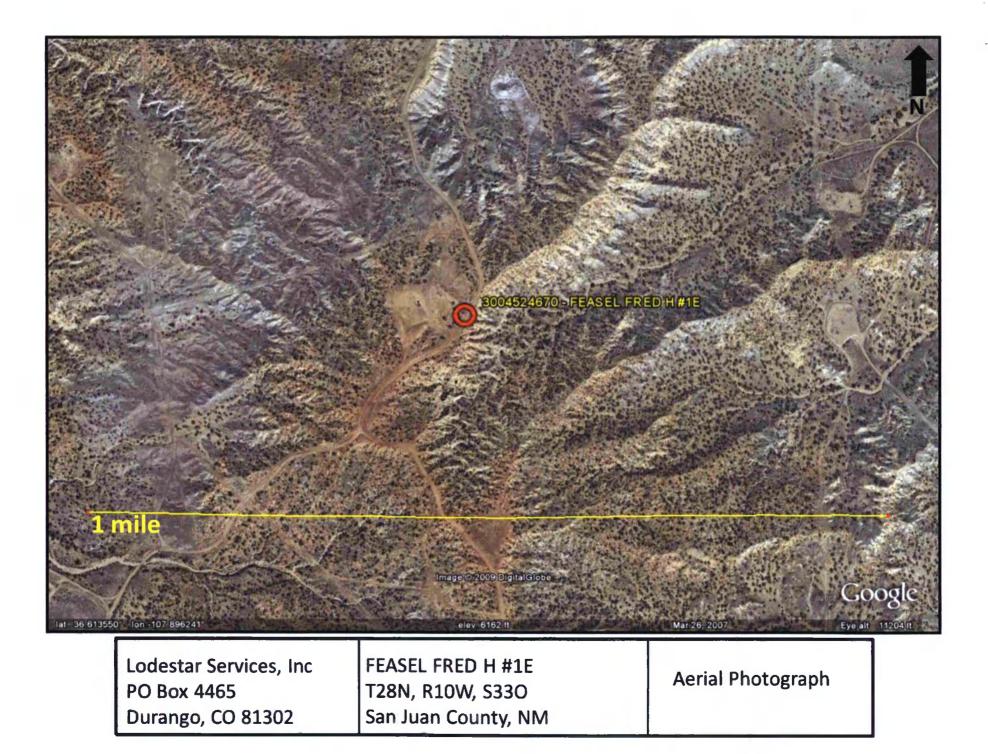
Township: 27h Range: 11V Sections:

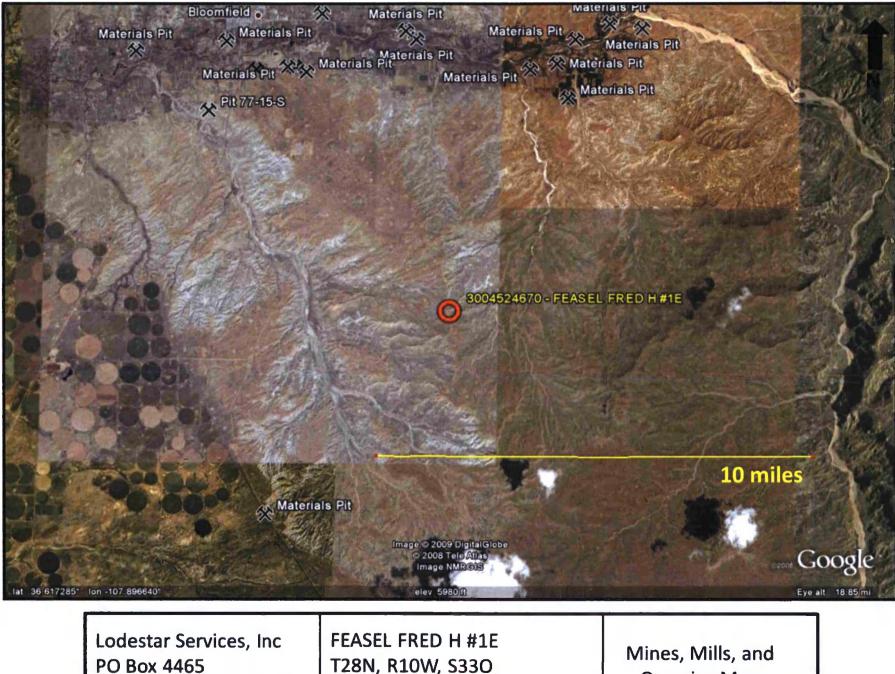
POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

WATER COLUMN REPORT 10/30/2008

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)								Depth	Depth	Water	(in feet)		
POD Number	Twa	Rng	Sec	P	q	P	Zone	X	Y	Well	Water	Column	
SJ 01787	27N	11W	07	2	2					650			
SJ 00077	27N	11W	26	2	L	3				1102	5.50	552	

Record Count: 2

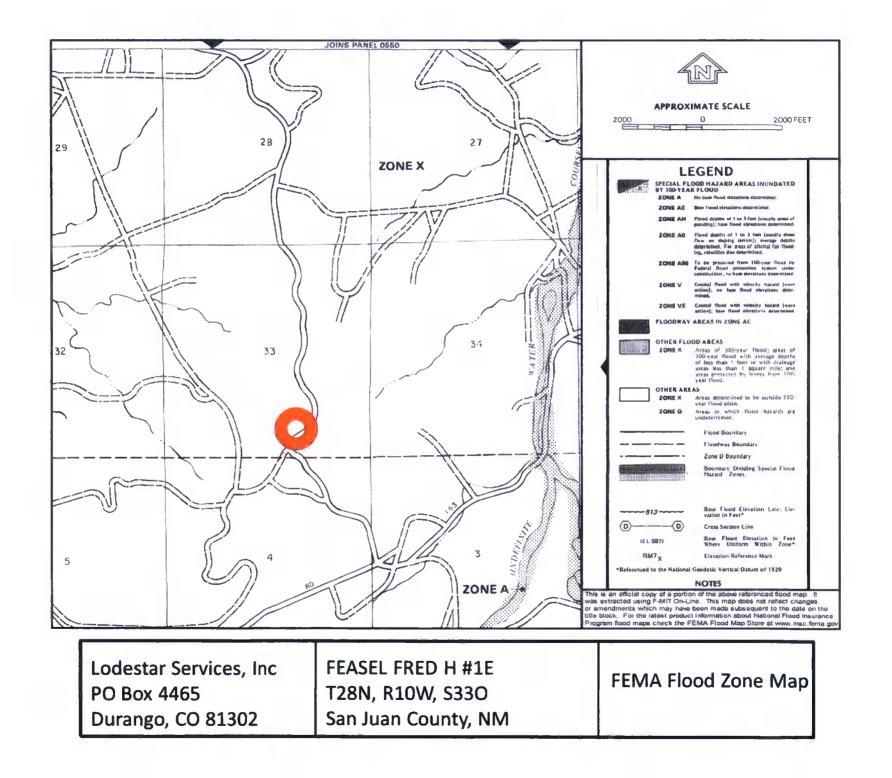




T28N, R10W, S33O San Juan County, NM

Durango, CO 81302

Quarries Map



XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Design and Construction Plan For Below-Grade Tanks

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

General Plan

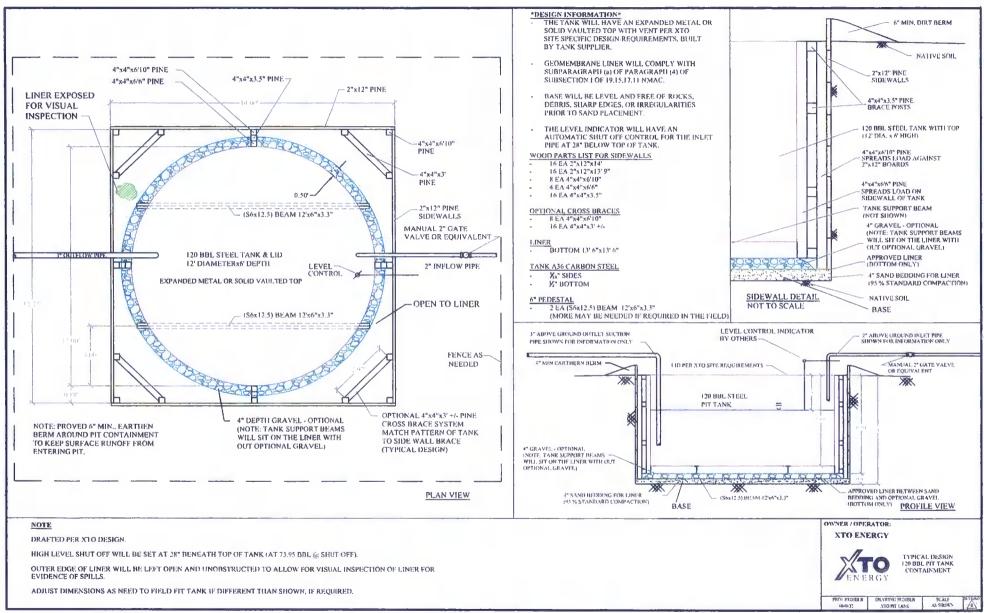
- 1. XTO will design and construct below-grade tanks to contain liquids and solids and prevent contamination of fresh water and protect public health and environment.
- 2. XTO will post a well sign, in compliance with 19.15.3.103 NMAC, on the existing well site operated by XTO where the existing below-grade tank is located. 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.
- 3. XTO is requesting approval of an alternative fencing to be used on below-grade tank locations. Below-grade tank locations will be fenced utilizing 48" steel mesh field-fence (hogwire) with pipe railing along the top. A 6' chain link fence will be utilized around the well pad if the well site is within a city limits or ¼ mile of a permanent residence, school, hospital, institution or church. Below-grade tanks located within 1000' of a permanent residence, school, hospital, institution or church will be fenced by 6' chain link fence with at least two strands of barbed wire at the top. All gates associated with below-grade tanks will remain closed and locked when responsible individuals are not on site.
- 4. XTO shall construct below-grade tanks with an expanded metal covering or solid vaulted top on the top of the below-grade tank.
- 5. XTO will ensure that below-grade tanks are constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight. Tanks will be constructed of A36 carbon steel with 3/16" sides and ¼" bottom. (See attached drawing).
- 6. The below-grade tank system will have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom. Sand bedding (4") will be placed on top of a level foundation to ensure prevention of punctures, cracks or indentations of the liner or tank bottom.
- XTO will construct a berm and/or diversion ditch in a manner that prevents the collection of surface water run-on. Below-grade tanks will be equipped with automatic high level shut-off devices as well as manually operated shut-off valves. (See attached drawing).
- 8. XTO will construct and use below-grade tanks that do not have double walls. The below-grade tank sidewalls will be open for visual inspection for leaks. The sidewalls of the cellar will be constructed with 2" X 12" pine sidewalls and 4" X 4" pine brace posts. The below-grade tank

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Design and Construction Plan For Below-Grade Tanks Page 2

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bottom will be elevated a minimum of 6" above the underlying ground surface and the belowgrade tank will be underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected. (See attached drawing).

- 9. XTO will equip below-grade tanks designed in this manner with a properly functioning automatic high-level shut-off control device and manual controls to prevent overflows. (See attached drawing).
- 10. XTO will demonstrate to the OCD that the geomembrane liner complies with the specifications of Subparagraph (a) of Paragraph (4) of Subsection I of 19.15.17.11 NMAC and obtain approval from OCD prior to the installation of the design. The geomembrane liner shall have a hydraulic conductivity no greater than 1 x 10-9 cm/sec. The geomembrane liner shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salts and acidics and alkaline solutions. The liner material shall be resistant to ultraviolet light. Liner compatibility shall comply with EPA SW-846 method 9090A. (See attached drawing).
- 11. The general specifications for design and construction are attached.



7/SieNTO_PITIANK/CAD/Typed Designs XTO PIT TANK dog XTO PIT TANK dog

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Maintenance and Operating Plan For Below-Grade Tanks

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

General Plan

- XTO will operate and maintain below-grade tanks to contain liquids and solids, maintain the integrity of the liner and secondary containment system, prevent contamination of fresh water and protect public health and the environment. Fluid levels will be monitored weekly and high levels will be removed as necessary. Monthly inspections will be conducted to monitor integrity of below-grade tank systems and below-grade tanks will be equipped with automatic high-level shut-off devices.
- 2. XTO will not allow below-grade tanks to overflow and will use berms and/or diversion ditch to prevent surface run on to enter the below-grade tank. Below-grade tanks will be equipped with automatic high-level shut-off control devices as well as manually operated shut-off valves. See attached drawing for vault design and placement of diversion berms and shut-off devices.
- 3. XTO will continuously remove any visible or measurable layer of oil from the fluid surface of below-grade tanks in order to prevent significant accumulation of oil.
 - 4. XTO will inspect the below-grade tank monthly and maintain written records for five years. Monthly inspections will consist of documenting the following: (see attached template),

Well Name API # Sec., Twn., Rng. XTO Inspector's name Inspection date and time Visible tears in liner Visible signs of tank overflow Collection of surface run on Visible layer of oil Visible signs of tank leak Estimated freeboard

- 5. XTO will maintain adequate freeboard to prevent over topping of the below-grade tank. High level shut-off devices control the freeboard at an average of 28" beneath the top of the tank.
- 6. XTO will not discharge into or store any hazardous waste in any below-grade tank.
- 7. If a below-grade tank develops a leak, or if any penetration of a below-grade tank occurs below the liquids surface, XTO will remove all liquids above the damage or leak line within 48 hours,

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Maintenance and Operating Plan For Below-Grade Tanks Page 2

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notify the appropriate division district office within 48 hours of the discovery and repair the damage or replace the below-grade tank. If an existing below-grade tank does not meet current requirements of Paragraphs 1-4 of Subsection I of 19.15.17.11 NMAC the tank will be modified or retrofitted to comply. If compliance can not be achieved XTO will implement the approved closure plan.

Well Nan	ne:			API No.:							
onale			Range:								
_egals	Sec.	· · · · ·	Township.		- Kange.						
XTO Inspector's Name	Inspection Date	Inspection Time	Any visible liner tears (Y/N)	Any visible signs of tank overflows (Y/N)	Collection of surface run on (Y/N)	Visible layer	Any visible signs of a tank leak (Y/N)	Freeboa Est. (ft)			
Name	Date										
								<u> </u>			
Notes:	Provide De	tailed Descri	iption:								
							<u> </u>				
Misc:											
							·····				

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks

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

General Plan

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- 1. XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
- XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
- 3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
- 4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:

Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B Soil contaminated by exempt petroleum hydrocarbons Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes Basin Disposal Permit No. NM01-005 Produced water

- 5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office has approved prior to removal. Any associated liners will be removed, properly cleaned and disposed of per 19.15.9.712 NMAC at San Juan County Landfill. Documentation of the final disposition will be included in the closure report.
- 6. XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.
- 7. XTO will test the soils beneath the below-grade tank to determine whether a release has occurred. At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks Page 2

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analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. XTO will notify the division of its results on form C-141.

- 8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.
- 9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.
- Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally. The notification will include the following:
 - i. Operator's name
 - ii. Well Name and API Number
 - iii. Location by Unit Letter, Section, Township, and Range

The surface owner shall also be notified prior to the implementation of any closure operations of below-grade tanks as per the approved closure plan using certified mail, return receipt requested.

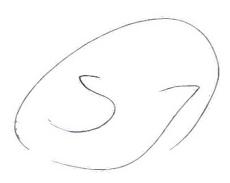
- 11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. Soil cover will be constructed to the site's existing grade and ponding of water and erosion of the cover material will be prevented with drainage control, natural drainages and silt traps where needed.
- 13. XTO will 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 divisionapproved methods. BLM or 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.

XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks Page 3

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

- i. Proof of closure notice to division and surface owner;
- ii. Details on capping and covering, where applicable;
- iii. Inspection reports;
- iv. Confirmation sampling analytical results;
- v. Disposal facility name(s) and permit number(s);
- vi. Soil backfilling and cover installation;
- vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable);
- viii. Photo documentation of the site reclamation.



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