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

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144 July 21, 200

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 Pe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office 24 AM 11 51

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

	Freposed Atternative Method Fernit of Closure Plan Application
	Type of action: Existing BGT BGT1 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
	ease 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 avironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinance.
	Operator: XTO Energy, Inc. OGRID #: 5380
	Address: #382 County Road 3100, Aztec, NM 87410
	Facility or well name:BELL JF #4
	API Number: 30-045-32326 OCD Permit Number:
	J/L or Qtr/Qtr _ASection10Township30NRange13WCounty:San Juan
	Center of Proposed Design: Latitude 36.8331 Longitude 108.18698 NAD: ☐ 1927 ☑ 1983
Ì	Surface Owner: N. Federal C. State C. Deines C. T. J. J. T. J. J. T. J.
ı	Surface Owner: Federal State Private Tribal Trust or Indian Allotment
	Distriction F. C. Construction
	Pit: Subsection F or G of 19.15.17.11 NMA
	Temporary: Drilling Workover
	Permanent Emergency Cavitation P&A
1	Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
	String-Reinforced
1	iner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
r	
1	Closed-loop System: Subsection H of 19.15.17.11 NMAC
	ype of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of itent)
1	Drying Pad Above Ground Steel Tanks Haul-off Bins Other
I	Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
	iner Seams: Welded Factory Other
L	The state of the s
	Below-grade tank: Subsection I of 19.15.17.11 NMAC
2	olume: 120 bbl Type of fluid: Produced Water
	ank Construction material: Steel Secondary containment with leak detection Visible sidewalls lines 6 inch lift and automatic Containment
2.0	Visible sidewalls, filler, o-filer filt and automatic overflow shut-off
1 0	Visible sidewalls and liner Visible sidewalls only Other Visible sidewalls, vaulted, automatic high-level shut off, no liner
200	ner type: Thicknessmil
12	
19	Alternative Method:
15	
LS	ibmittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
1 1	
	Form C-144 Oil Conservation Division
	Form C-144 Oil Conservation Division Page 1 of 5
Daniel L.	Form C-144 Oil Conservation Division Page 1 of 5

Penning: 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 burbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution on chaince) 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) Streen 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 Signs: Subsection C of 19.15.17.11 NMAC Applies to permanent pits and permanent open top tanks) Signed in compliance with 19.15.3.103 NMAC Signs: Subsection C of 19.15.17.11 NMAC Applies to permanent pits and permanent open top tanks Signed in compliance with 19.15.3.103 NMAC Signed in compliance with 19.15.3.103 NMAC Signed in compliance with 19.15.3.103 NMAC Administrative approvals and Exceptions: Signed in compliance with 19.15.17.10 NMAC Administrative approvals and Exceptions: Signed in compliance with 19.15.17.10 NMAC Administrative approvals: Requests must be submitted to the papporate division district or the Santa Pe Environmental Bureau office for consideration of approval. Exception(s): Requests must demonstrate compliance for cach stiling criteria below in the application. Recommendations of acceptable sour material are provided below. Requests regarding changes to certain stiling criteria below in the approval from the appropriate distractions: The applicant must demonstrate compliance for cach stiling criteria denor understance approval from the appropriate distractions	2 of 30			-
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Siens: Note Netting Other Expanded metal or solid vaulted top Monthly inspections (If netting or screening is not physically feasible)	6. Fencing: Subsection D of 19.15.17.11 NMAC (Applies a Chain link, six feet in height, two strands of barbed w institution or church) Four foot height, four strands of barbed wire evenly specified.	ire at top (Required if located within 1000 feet of a perman	ent residence, school,	hospital,
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 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 sourn material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate distraffice 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 tank associated with a closed-tolops 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 databases search; USGS; Data obtained from nearby wells 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; Aerial photo; Satellite image Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application	Netting: Subsection E of 19.15.17.11 NMAC (Applies to Screen ☐ Netting ☒ Other Expanded metal or so	lid vaulted top		
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Stiting 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 sour material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate distriction 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 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; Aerial photo; Satellite image Within 1000 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 Within 500 horizontal feet of	Signs: Subsection C of 19.15.17.11 NMAC 12"x 24", 2" lettering, providing Operator's name, site	e location, and emergency telephone numbers		
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 sour material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate distructions: The applicant must attack 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 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 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 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 Within 500 horizontal feet of a private, domestic fresh water well or spring, in existence at the time of initial application. NA NA Within 500 horizontal feet of a private, domestic fresh water well or spring, in existence at the time of initial application. NA Within 500 feet of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; T	Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are re Please check a box if one or more of the following is req Administrative approval(s): Requests must be sub consideration of approval.	quested, if not leave blank: pmitted to the appropriate division district or the Santa Fe E		office for
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 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 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 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 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 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 Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Siting Criteria (regarding permitting): 19.15.17.10 NN Instructions: The applicant must demonstrate complian material are provided below. Requests regarding change office or may be considered an exception which must be Applicant must attach justification for request. Please references.	ice for each siting criteria below in the application. Recor es to certain siting criteria may require administrative app submitted to the Santa Fe Environmental Bureau office j efer to 19.15.17.10 NMAC for guidance. Siting criteria d	proval from the appro for consideration of a	opriate district upproval.
lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 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 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 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 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. Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	- NM Office of the State Engineer - iWATERS data	abase search; USGS; Data obtained from nearby wells		☐ Yes 🖾 No
Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 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 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 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 Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	lake (measured from the ordinary high-water mark).		inkhole, or playa	Yes 🛭 No
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 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 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 Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division □ Yes □ Yes □ Yes □	(Applies to temporary, emergency, or cavitation pits and l	below-grade tanks)	application.	☐ Yes ☑ No ☐ NA
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 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 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	(Applies to permanent pits)		l application.	Yes No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	watering purposes, or within 1000 horizontal feet of any o	other fresh water well or spring, in existence at the time of i	nitial application.	☐ Yes ☑ No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Within incorporated municipal boundaries or within a defi adopted pursuant to NMSA 1978, Section 3-27-3, as amer	ined municipal fresh water well field covered under a muni	cipal ordinance	☐ Yes ⊠ No
Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division		Topographic map; Visual inspection (certification) of the	proposed site	☐ Yes 🛭 1
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map Within a 100-year floodplain. - FEMA map	- Written confirmation or verification or map from	the NM EMNRD-Mining and Mineral Division		_ = 9
Within a 100-year floodplain FEMA map □ Yes ▷	- Engineering measures incorporated into the design	n; NM Bureau of Geology & Mineral Resources; USGS; N	M Geological	☐ Yes 🛭 14
	- FEMA map			☐ Yes 🛭 No. Sui.
Form C-144 Oil Conservation Division Page 2 of 5	Form C-144	Oil Conservation Division	Page 2 of 5	Released to Imaging. 9/20/2022 3

30			
3 of		100	
Temporary Pits, Emergency Pits, and Below-g Instructions: Each of the following items must attached. Hydrogeologic Report (Below-grade Tanks Hydrogeologic Data (Temporary and Emergical Siting Criteria Compliance Demonstrations Design Plan - based upon the appropriate residence Operating and Maintenance Plan - based upon Closure Plan (Please complete Boxes 14 the and 19.15.17.13 NMAC Previously Approved Design (attach copy of	be attached to the application. Please in (s) - based upon the requirements of Paragregency Pits) - based upon the requirement (s - based upon the appropriate requirement equirements of 19.15.17.11 NMAC pon the appropriate requirements of 19.15 rough 18, if applicable) - based upon the	radicate, by a check mark in the graph (4) of Subsection B of 1 as of Paragraph (2) of Subsect ats of 19.15.17.10 NMAC 5.17.12 NMAC appropriate requirements of S	he box, that the documents are 9.15.17.9 NMAC ion B of 19.15.17.9 NMAC Subsection C of 19.15.17.9 NMAC
12.			
Closed-loop Systems Permit Application Attac Instructions: Each of the following items must attached. Geologic and Hydrogeologic Data (only fo Siting Criteria Compliance Demonstrations: Design Plan - based upon the appropriate roperating and Maintenance Plan - based upon Closure Plan (Please complete Boxes 14 thand 19.15.17.13 NMAC Previously Approved Design (attach copy of Previously Approved Operating and Maintenance Plan - based upon the appropriate roperating and Maintenance Plan - based upon the appropriate roperating and Maintenance Plan - based upon the appropriate roperating and Maintenance Previously Approved Operating and Maintenance Plan - based upon the appropriate roperating and Maintenance Plan - based upon the appropriate roperating and Maintenance Plan - based upon the appropriate roperating and Maintenance Plan - based upon the appropriate roperating and upon the appropriate roperating and the propriate roperating and Maintenance Plan - based upon the appropriate roperating and upon the appropriate roperating a	be attached to the application. Please in or on-site closure) - based upon the requires (only for on-site closure) - based upon the requirements of 19.15.17.11 NMAC pon the appropriate requirements of 19.15 arough 18, if applicable) - based upon the design) API Number: API Number:	rements of Paragraph (3) of State appropriate requirements of State appropriate requirements of appropriate requirements of appropriate requirements of (Applies only)	ubsection B of 19.15.17.9 of 19.15.17.10 NMAC Subsection C of 19.15.17.9 NMAC
13.			
Permanent Pits Permit Application Checklist: Instructions: Each of the following items must attached. Hydrogeologic Report - based upon the reconstructions: Climatological Factors Assessment Certified Engineering Design Plans - based Dike Protection and Structural Integrity Design Plans - based upon the application Design - based upon the application and Compatibility Asses Quality Control/Quality Assurance Construction Operating and Maintenance Plan - based upon Treeboard and Overtopping Prevention Platemergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate in the control Plan Closure Plan - based upon the appropriate in the control Plan	duirements of Paragraph (1) of Subsections - based upon the appropriate requirements of 19 esign - based upon the appropriate requirements of 19 esign - based upon the appropriate requirements of 19.15.17.11 N sessment - based upon the appropriate requirements of 19.15.17.11 N sessment - based upon the appropriate reduction and Installation Plan pon the appropriate requirements of 19.1: in - based upon the appropriate requirements of 19.1: in - based upon the appropriate requirements I ₂ S, Prevention Plan	n B of 19.15.17.9 NMAC nts of 19.15.17.10 NMAC 0.15.17.11 NMAC ements of 19.15.17.11 NMAC MAC quirements of 19.15.17.11 NM 5.17.12 NMAC ents of 19.15.17.11 NMAC	: MAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable box Type: Drilling Workover Emergency	-		☐ Closed-loop System
On-site Closure M	n and Removal (Closed-loop systems only) Method (Only for temporary pits and clos ace Burial On-site Trench Burial ure Method (Exceptions must be submitte		Md I Price Management Md I P
Waste Excavation and Removal Closure Plan (Closure plan. Please indicate, by a check mark it Protocols and Procedures - based upon the Confirmation Sampling Plan (if applicable) Disposal Facility Name and Permit Numbe Soil Backfill and Cover Design Specification Re-vegetation Plan - based upon the appropriate Site Reclamation Plan - based upon the appropriate	in the box, that the documents are attach appropriate requirements of 19.15.17.13) - based upon the appropriate requirement or (for liquids, drilling fluids and drill cuttons - based upon the appropriate requirements of Subsection I of 19.	ned. NMAC nts of Subsection F of 19.15.1 tings) nents of Subsection H of 19.1 15.17.13 NMAC	7.13 NMAC 7.02/02
Received by C-144	Oil Conservation Divisio	n	Page 3 of 5

of 30			
do 16.			
Waste Removal Closure For Closed-loop Systems Instructions: Please indentify the facility or faciliti facilities are required.	s That Utilize Above Ground Steel Tanks or Haul-off E ies for the disposal of liquids, drilling fluids and drill cui	ttings. Use attachment if mo	re than two
Disposal Facility Name:		lumber:	
Disposal Facility Name:		lumber:	
Yes (If yes, please provide the information be	′ -	not be used for future servic	e and operations?
Re-vegetation Plan - based upon the appropria Site Reclamation Plan - based upon the appropria	s based upon the appropriate requirements of Subsection are requirements of Subsection 1 of 19.15.17.13 NMAC priate requirements of Subsection G of 19.15.17.13 NMAC		
provided below. Requests regarding changes to cer	stration of compliance in the closure plan. Recommena tain siting criteria may require administrative approval j o the Santa Fe Environmental Bureau office for conside	from the appropriate district	t office or may be
Ground water is less than 50 feet below the bottom o - NM Office of the State Engineer - iWATER:	of the buried waste. S database search; USGS; Data obtained from nearby wel	lls [☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the to NM Office of the State Engineer - iWATER:	bottom of the buried waste S database search; USGS; Data obtained from nearby wel	ls E	Yes No
Ground water is more than 100 feet below the bottom - NM Office of the State Engineer - iWATERS	n of the buried waste. S database search; USGS; Data obtained from nearby wel	ls [Yes No
Within 300 feet of a continuously flowing watercound lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certific	se, or 200 feet of any other significant watercourse or lake cation) of the proposed site	ebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, - Visual inspection (certification) of the propo-	hospital, institution, or church in existence at the time of sed site; Aerial photo; Satellite image	initial application.	☐ Yes ☐ No
watering purposes, or within 1000 horizontal feet of	sh water well or spring that less than five households use f any other fresh water well or spring, in existence at the tir S database; Visual inspection (certification) of the propose	me of initial application.	Yes No
adopted pursuant to NMSA 1978, Section 3-27-3, as	a defined municipal fresh water well field covered under a amended. municipality; Written approval obtained from the munici	. -	☐ 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 f	from the NM EMNRD-Mining and Mineral Division	[Yes No
Within an unstable area. - Engineering measures incorporated into the c Society; Topographic map	design; NM Bureau of Geology & Mineral Resources; US	GS; NM Geological	☐ Yes ☐ No
Within a 100-year floodplain FEMA map			Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NM) by a check mark in the box, that the documents are	AC) Instructions: Each of the following items must be a	ittached to the closure plan.	Please indicate,
Siting Criteria Compliance Demonstrations - b Proof of Surface Owner Notice - based upon th Construction/Design Plan of Burial Trench (if Construction/Design Plan of Temporary Pit (fc Protocols and Procedures - based upon the app Confirmation Sampling Plan (if applicable) - b Waste Material Sampling Plan - based upon th Disposal Facility Name and Permit Number (fc Soil Cover Design - based upon the appropriate Re-vegetation Plan - based upon the appropriate	pased upon the appropriate requirements of 19.15.17.10 Nine appropriate requirements of Subsection F of 19.15.17.16 Applicable) based upon the appropriate requirements of 1 or in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.10 Nine ap	3 NMAC 9.15.17.11 NMAC oriate requirements of 19.15. of 19.15.17.13 NMAC 3 NMAC te closure standards cannot b	022 3:0
Form C-144	Oil Conservation Division	Page 4 of 5	leased to Imag
ž			2

9.		
Operator Application Certification: I hereby certify that the information submitted with t	this application is true, accurate and complete to	the heet of my knowledge and helief
Name (Print): Kim Champlin		-
/ /		Environmental Representative
signature: Kim Champlin	Date:	11.2008
-mail address: kim_champlin@xtoenergy.com	Telephone:	(505) 333-3100
DCD Approval: X Permit Application (including	closure plan)	D Conditions (see attachment)
OCD Representative Signature: <u>Jaclyn Bu</u>	ndine	Approval Date: 09/20/2022
Citle: Environmental Specialist-A	OCD Permit Num	nber:_BGT1
i. Closure Report (required within 60 days of closure instructions: Operators are required to obtain an ap The closure report is required to be submitted to the ection of the form until an approved closure plan h	pproved closure plan prior to implementing any division within 60 days of the completion of the	y closure activities and submitting the closure repo e closure activities. Please do not complete this
	☐ Closure Con	npletion Date:
z. Closure Method: Waste Excavation and Removal On-Site Cl If different from approved plan, please explain.	losure Method	d Waste Removal (Closed-loop systems only
s. Closure Report Regarding Waste Removal Closur Instructions: Please indentify the facility or facilities two facilities were utilized.	e For Closed-loop Systems That Utilize Above es for where the liquids, drilling fluids and drill	e Ground Steel Tanks or Haul-off Bins Only: cuttings were disposed. Use attachment if more
Disposal Facility Name:	Disposal Facility	Permit Number:
Disposal Facility Name:		Permit Number:
Vere the closed-loop system operations and associate Yes (If yes, please demonstrate compliance to the compliance to th	ed activities performed on or in areas that will no	
lequired for impacted areas which will not be used for Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding 1	•	
Closure Report Attachment Checklist: Instruction mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and div.) Proof of Deed Notice (required for on-site closure) Plot Plan (for on-site closures and temporary pi.) Confirmation Sampling Analytical Results (if a waste Material Sampling Analytical Results (if Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding 1	vision) sure) oits) applicable) required for on-site closure)	ed to the closure report. Please indicate, by a chec
On-site Closure Location: Latitude		11120: [1727 [1707
		M.D
On-site Closure Location: Latitude perator Closure Certification: hereby certify that the information and attachments s	submitted with this closure report is true, accurat	te and complete to the best of my knowledge and
On-site Closure Location: Latitude	submitted with this closure report is true, accurat l applicable closure requirements and conditions	te and complete to the best of my knowledge and specified in the approved closure plan.
On-site Closure Location: Latitude Description: hereby certify that the information and attachments selief. I also certify that the closure complies with all	submitted with this closure report is true, accurat l applicable closure requirements and conditions Title:	te and complete to the best of my knowledge and
On-site Closure Location: Latitude Departor Closure Certification: hereby certify that the information and attachments selief. I also certify that the closure complies with all lame (Print):	submitted with this closure report is true, accurat l applicable closure requirements and conditions Title: Date:	te and complete to the best of my knowledge and specified in the approved closure plan.
On-site Closure Location: Latitude Departor Closure Certification: hereby certify that the information and attachments selief. I also certify that the closure complies with all lame (Print): ignature:	submitted with this closure report is true, accurat l applicable closure requirements and conditions Title: Date:	te and complete to the best of my knowledge and specified in the approved closure plan.

DISTRICT I 1625 N. Fench Dr., Hobbs, N.M. 88240 State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised June 10, 2003 instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT 8 1301 W. Grand Avenue, Artesla, N.M. 88210

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

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

DISTRICT IN

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

I'API	Number			² Pool Code			² Pool Hom	t	
*Property Co	i.	·			⁵ Property 1	forme		9	Well Number
					J.F. 88	LL			4
OGRID Ho.					*Operator	Nome			# Elevation
					XTO ENERG	Y INC.			5755
	<u>`</u>				¹⁰ Surface	Location			
UL or let no.	Section 3	Township 30-N	Range 13-W	Lot Idn	Feet from the 945	North/South line SOUTH	Feet from the 1070	East/West line EAST	County SAN JUAN
			11 Botto	m Hole	Location I	f Different Fro	m Surface		
Ut. or let no.	Section	Township	Ronge	Lat Idn	Feet from the	North/South line	Feet from the	East/West line	County
² Dedicated Acres	1	18.36	oint or Infill	1	¹⁴ Consolidation Co	ode	¹⁶ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 4	LOT 3	LO1 2	LOT I
	3		OTR. CORNEL FD 3 1/4° BG BLM 195:
~~~			N 02706
That disort	LAT: 36'50'14' LONG:108'11'1	" N. (NAD 27) 1' W. (NAD 27)	9 1070°
	OTR, CORNER FD 3 1/4" BC BLM 1952	S 89'34'38" W 2612.39' (M)	SEC. CORNER FD 3 1/4° BC BLM 1952

## OPERATOR CERTIFICATION

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

Signature	
Printed Name	

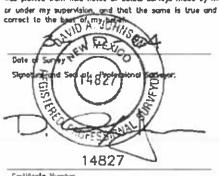
Title

18

Dale

## SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me



Released to Imaging: 9/20/2022 3:08:41 PM

Certificate Number

Received by OCD: 9/15/2022 12:35:48 PM

Received by OCD: 9/15/2022 12:35:48 PM

Lodestar Service	es. Inc	Pit Permit		Project:	Pit Permits
PO Box 4465, Duran		Siting Criteria		Revised:	16-Oct-08
I o box 4400, bitten	10) OR OTOUZ	Information She	et	Prepared by:	
Y					
API#:		3004532326		USPLSS:	T30N,R13W,S10A
Name:		BELL JF # 4		Lat/Long:	36.8331, -108.18698
Depth to groundwater:		50'-100'		Geologic formation:	Nacimiento Formation
Distance to closest continuously flowing watercourse:	1.86 m	iles E of La Plata River			
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:		of N Twin Wash; 1.17 / of Farmington Glade			
				Soil Type:	Entisols
Permanent residence, school, hospital, institution or church within 300'		No			
				Annual Precipitation:	8.21 inches average annual
Domestic fresh water well or spring within 500'		No		Precipitation Notes:	no significant precip events
Any other fresh water well or spring within 1000'		No			
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 Map
Wetland within 500'		No		Mining Activity:	
Within unstable area		No			4950' NW of BLM- La Plata Highway Pit
Within 100 year flood plain	No - F	EMA Flood Zone 'X'			
Additional Notes:	Adjusted 1	Township and Range from			300
	T30N, R1:	R13W, S03P to T30N, 3W,S10A to match /Longitude coordinates			

Client:

XTO Energy

## BELL JF #4 Below Ground Tank Siting Criteria and Closure Plan

## **Well Site Location**

Legals: T30N, R13W, Section 10, Quarter Section A Latitude/Longitude: approximately 36.8331, -108.18698

County: San Juan County, NM

General Description: between the La Plata River and Glade Run

## 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 Tertiary Nacimiento Formation is exposed, along with Quaternary alluvial and aeoloian sands surrounding the center of the wash.

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. 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 nearby San Juan River and its tributaries.

The prominent soil type at the proposed site is entisols, which are defined as soils that do not show any profile development. 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 (www.emnrd.state.nm.us). These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes 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).

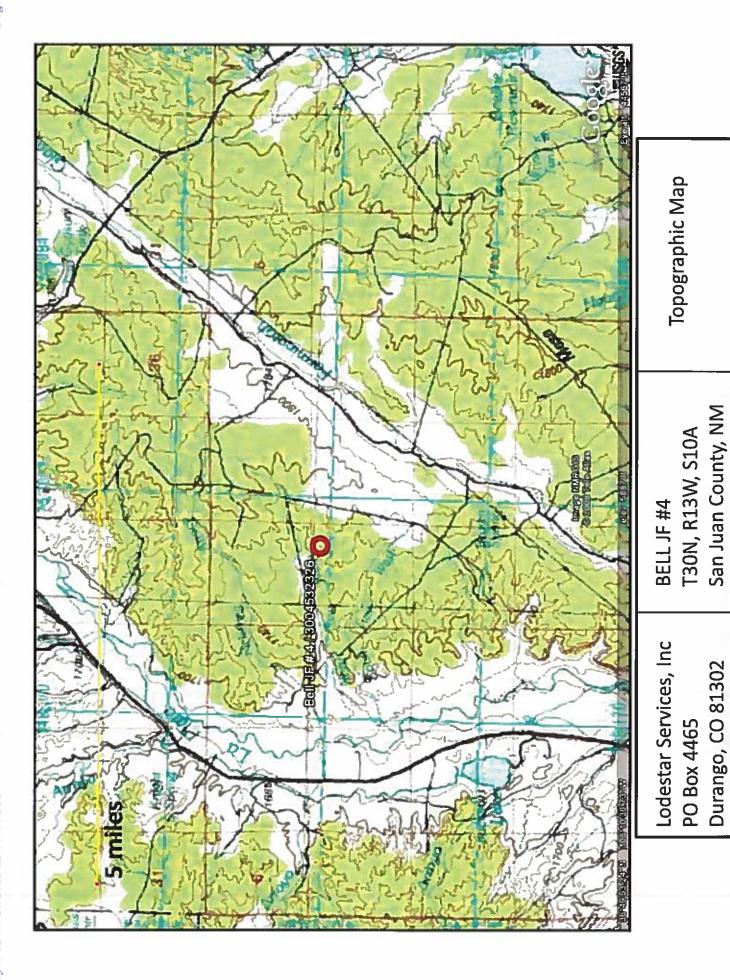
The predominant vegetation is sagebrush and grasses with a more restricted pinon-juniper association (Dick-Peddie, 1993).

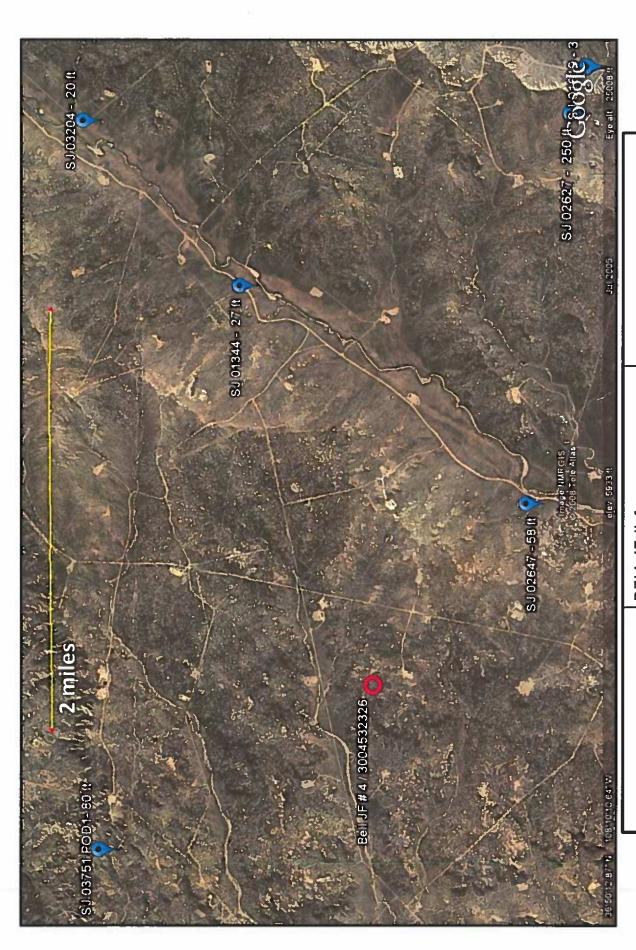
## Site Specific Hydrogeology

Depth to groundwater is estimated to be between 50 feet and 100 feet. This estimation is based on data from Stone and others, 1983 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.

Local aquifers include sandstones within the Nacimiento Formation, which ranges from 0 to 1000 feet deep in this area, as well as shallow aquifers within Quaternary alluvial deposits (Stone et al., 1983). The 1000-foot depth range for Nacimiento aquifers covers an area over 20 miles wide, and depth decreases towards the margin of the San Juan Basin. The site in question is more centrally located, and depth to the aquifer is expected to be closer to 1000 feet. 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. However, the proposed site is situated just under two miles to the east and is approximately 365 feet higher in elevation from the La Plata River (Google Earth).

Groundwater data available from the NM State Engineer's iWaters Database for wells near the proposed site are attached. A map showing the location of wells in reference to the proposed pit location is also included. Pinpoints show locations of wells and the labels for each pinpoint indicate depth to groundwater in feet. A well to the northwest has a depth to groundwater of 80 feet. The well is 35 feet lower in elevation then the proposed site. A well to the northeast has a depth to groundwater of 27 feet, and is approximately 15 feet higher in elevation then the proposed site. This well is shallow due to its close proximity to the Glade Wash. A well to the southeast has a depth to groundwater of 58 feet below the ground surface. The well is approximately 65 feet lower in elevation then the proposed site.





San Juan County, NM BELL JF # 4 T30N, R13W, S10A Lodestar Services, Inc Durango, CO 81302 PO Box 4465

iWaters Groundwater

Data Map

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

Township: 30h Range: 13v Sections: 1

POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

# WATER COLUMN REPORT 09/09/2008

Depth	Well Water Column 42 27 15	
quarters are 1=NW 2=NE 3=SW 4=SE) quarters are biggest to smallest)	ecqqqZone X	
(quarters are (quarters are	PUD Number Tws Rng S SJ 01344 30N 13W 0	Record Count: 1

20

20

40

4 3 1

31N 12W 31

SJ 03204

New Mexico Office of the State Engineer POD Reports and Downloads

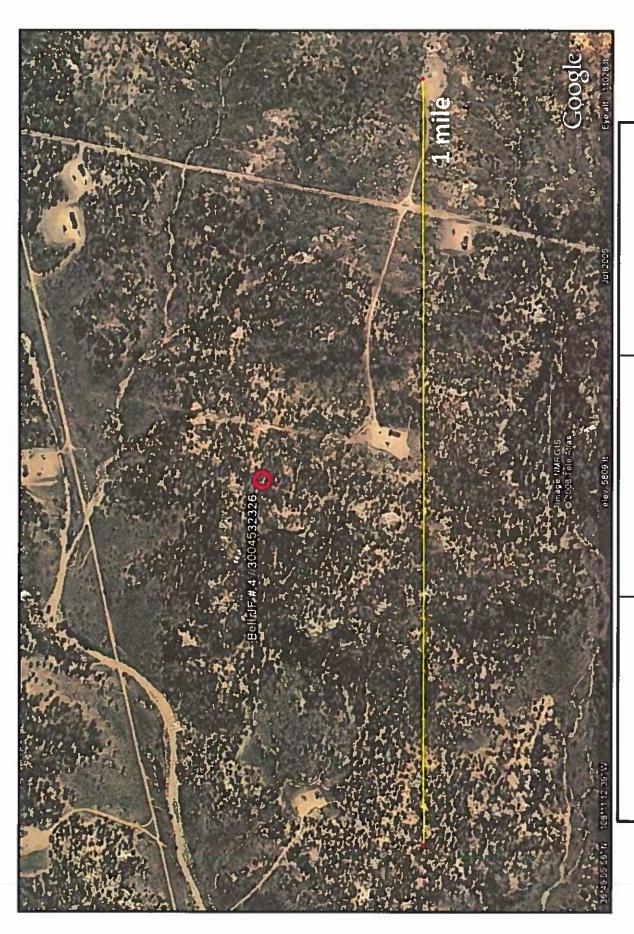
Township: 30k Range: 13v Sections: 11

POD / Surface Data Report Avg Depth to Water Report Water Column Report

## WATER COLUMN REPORT 09/09/2008

Depth	Y Well Water Column 76 55 19
(quarters are 1=NW 2=NR 3=SW 4=SR) (quarters are biggest to smallest)	Tws Rng Sec q q q Zone X 30N 13W 11 4 3 4
	PCD Number SJ 02647

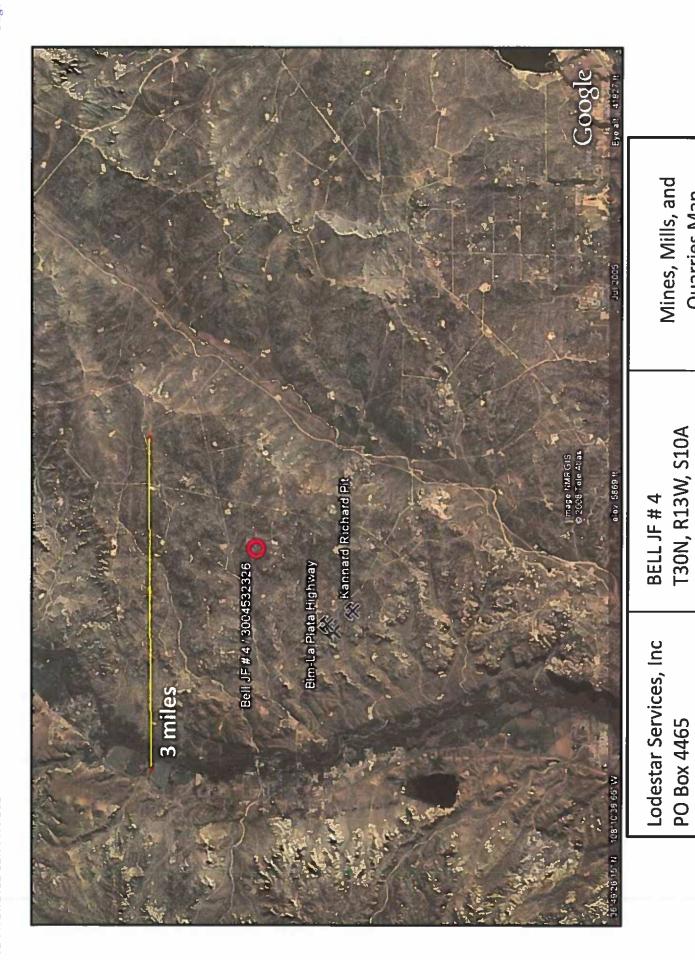
Record Count: 1



Aerial Photograph

Lodestar Services, Inc PO Box 4465 Durango, CO 81302

BELL JF #4 T30N, R13W, S10A San Juan County, NM

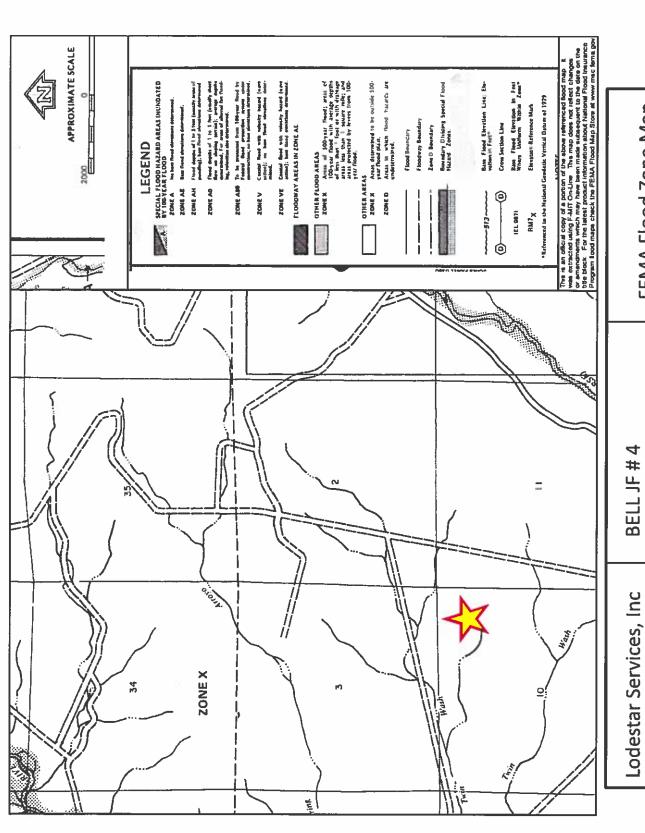


San Juan County, NM

Mines, Mills, and Quarries Map

Durango, CO 81302

PO Box 4465



FEMA Flood Zone Map

San Juan County, NM

Durango, CO 81302

PO Box 4465

T30N, R13W, S10A

## 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

- 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.
- 7. 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

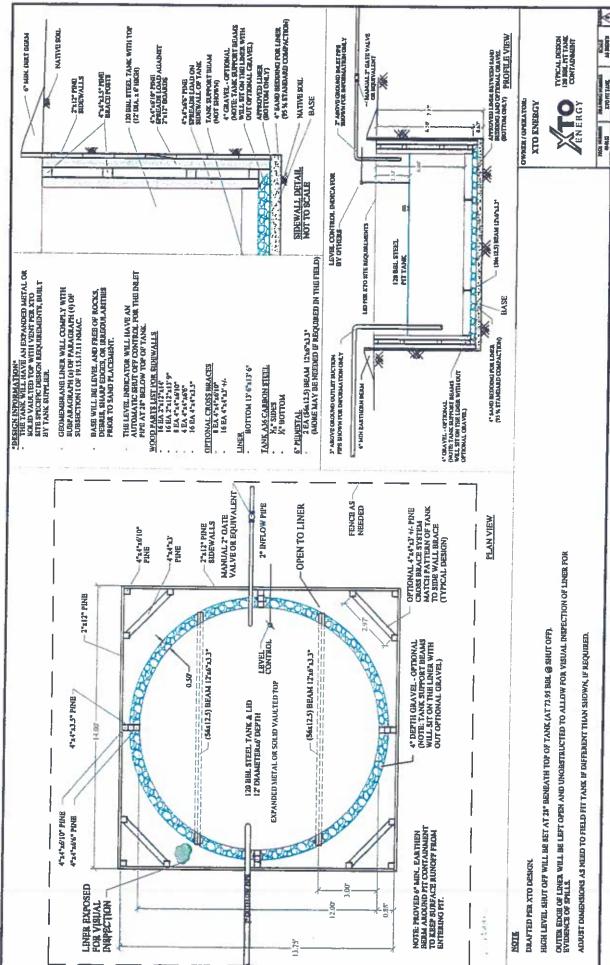
> bottom will be elevated a minimum of 6" above the underlying ground surface and the belowgrade tank will be underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected. (See attached drawing).

- 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).

Released to Imaging: 9/20/2022 3:08:41 PM

11. The general specifications for design and construction are attached.

Received by OCD: 9/15/2022 12:35:48 PM



## 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.
- 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.
  - 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.
- 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.

Received by OCD: 9/15/2022 12:35:48 PM

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

> 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:

		MONTH	1LY BELO	MONTHLY BELOW GRADE TANK INSPECTION FORM	INSPECTION	N FORM		
Well Name:					API No.:			
Legals	Sec		Township:		Range:			
XTO Inspector's	Inspection	Inspection	Any visible liner	Anv visible signs of	Collection of	Visible laver	Any vieshle cione	0000
Name	Date	-	tears (Y/N)	tank overflows (Y/N)	run on (Y/N)	of oil (Y/N)	of a tank leak (Y/N)	Est. (ft)
Notes:	Provide Del	Provide Detailed Description:	tion:					
Misc.	-				÷			
	- •							
	•							
	•							
	•			į				
								•

## 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

- 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

> 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.

- If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 8. NMAC and 19.15.1.19NMAC as appropriate.
- If the sampling program demonstrates that a release has not occurred or that any release does not 9. 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.
- 10. 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
  - Location by Unit Letter, Section, Township, and Range iii.

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.
- A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable 12. 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

- 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.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

## **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS

Action 143762

## **QUESTIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	143762
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### QUESTIONS

Facility and Ground Water		
Please answer as many of these questions as possible in this group. More information will help us identify the appropriate associations in the system.		
Facility or Site Name	J F BELL 4	
Facility ID (f#), if known	Not answered.	
Facility Type	Below Grade Tank - (BGT)	
Well Name, include well number	J F BELL 4	
Well API, if associated with a well	3004532326	
Pit / Tank Type	Not answered.	
Pit / Tank Name or Identifier	Not answered.	
Pit / Tank Opened Date, if known	Not answered.	
Pit / Tank Dimensions, Length (ft)	Not answered.	
Pit / Tank Dimensions, Width or Diameter (ft)	Not answered.	
Pit / Tank Dimensions, Depth (ft)	Not answered.	
Ground Water Depth (ft)	Not answered.	
Ground Water Impact	Not answered.	
Ground Water Quality (TDS)	Not answered.	

Below-Grade Tank	
Subsection I of 19.15.17.11 NMAC	
Volume / Capacity (bbls)	120
Type of Fluid	Produced Water
Pit / Tank Construction Material	Steel
Secondary containment with leak detection	Not answered.
Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	Not answered.
Visible sidewalls and liner	Not answered.
Visible sidewalls only	Not answered.
Tank installed prior to June 18. 2008	True
Other, Visible Notation. Please specify	Not answered.
Liner Thickness (mil)	Not answered.
HDPE (Liner Type)	Not answered.
PVC (Liner Type)	Not answered.
Other, Liner Type. Please specify (Variance Required)	Not answered.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

QUESTIONS, Page 2

Action 143762

QUESTIONS (continued)			
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 143762 Action Type: [C-144] Legacy Below Grade Tank Plan (C-144LB)		
QUESTIONS			
Fencing			
Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tank	(s)		
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)	Not answered.		
Four foot height, four strands of barbed wire evenly spaced between one and four feet	Not answered.		
Alternate, Fencing. Please specify (Variance Required)	4' hogwire		
Netting			
Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	T		
Screen	Not answered.		
Netting	Not answered.		
Other, Netting. Please specify (Variance May Be Needed)	expanded metal or solid vaulted top		
Signs			
Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must have	e their own sign in compliance with Subsection C of 19.15.17.11 NMAC.)		
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	Not answered.		
Signed in compliance with 19.15.16.8 NMAC	True		
Variances and Exceptions			
Justifications and/or demonstrations ofequivalency are required. Please refer to 19.15.17 NMAC for Please check a box if one or more of the following is requested, if not leave blank:	guidance.		
Variance(s): Requests must be submitted to the appropriate division district for consideration	Not answered.		

Not answered.

Requests must be submitted to the Santa Fe Environmental Bureau office for

of approval. Exception(s):

consideration of approval

District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

## **State of New Mexico Energy, Minerals and Natural Resources** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 143762

, iniliorale aria riatarai ricocarcoc	
Oil Conservation Division	

1220 S. St Francis Dr., Santa Fe, NM 8/505 Phone:(505) 476-3470 Fax:(505) 476-3462	,
QUESTI	ONS (continued)
Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 143762 Action Type: [C-144] Legacy Below Grade Tank Plan (C-144LB)
QUESTIONS	
Siting Criteria (regarding permitting)	
19.15.17.10 NMAC	
Instructions: The applicant must demonstrate compliance for each siting criteria below. Siting criteria does not apply to drying pads or above-grade tanks.	below in the application. Recommendations of acceptable source material are provided
Siting Criteria, General Siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	No
NM Office of the State Engineer - iWATERS database search	True
USGS	Not answered.
Data obtained from nearby wells	Not answered.
Siting Criteria, Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark)	No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption	No
Processed Observer Mathead	
Proposed Closure Method	
Below-grade Tank	Below Grade Tank - (BGT)
Waste Excavation and Removal	True
Alternate Closure Method. Please specify (Variance Required)	Not answered.

11/20/2008

Operator Application Certification Registered / Signature Date

District III

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

ACKNOWLEDGMENTS

Action 143762

## **ACKNOWLEDGMENTS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	143762
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### **ACKNOWLEDGMENTS**

V	I acknowledge that I have received prior approval from the OCD to submit documentation of a legacy below-grade tank on behalf of my operator.
I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief.	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505** 

CONDITIONS

Action 143762

## **CONDITIONS**

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	143762
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

### CONDITIONS

Created By		Condition Date
jburdine	None	9/20/2022