District IV

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

State of New Mexico **Energy Minerals and Natural Resources** Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

<u> </u>	roposca / titelilative iv	region retrint or Closure rr	an Application
Type of a Existing B BGT1 below-gra	GT Closure of a pit, clo Modification to an	submitted for an existing permitted or r	
Instructions: Please	submit one application (Form C-	-144) per individual pit, closed-loop systen	n, below-grade tank or alternative request
			pollution of surface water, ground water or the ernmental authority's rules, regulations or ordinan
Operator: XTO Energy, Inc.	2.	OGRID#:	5380

Address: #382 County Road 3100, Aztec, NM 87410
Facility or well name: Gardner # 1A
API Number: 30-045-29742 OCD Permit Number:
U/L or Qtr/Qtr E Section 35 Township 32N Range 09W County: San Juan
Center of Proposed Design: Latitude
Surface Owner: Karata Federal Artista Private Tribal Trust or Indian Allotment
2.
Pit: Subsection F or G of 19,15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A
Lined Unlined Liner type: Thicknessmil ULLDPE HDPE PVC Other
String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.
Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
Drying Pad Above Ground Steel Tanks Haul-off Bins Other
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
Liner Seams: Welded Factory Other
4.
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: 95 bbl Type of fluid: Produced Water
Tank Construction material: Steel
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
Visible sidewalls and liner Visible sidewalls only Other Visible sidewalls, earthen side walls, automatic high-level shut off, no liner
Liner type: Thickness mil HDPE PVC Other
s. Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

330		
6. Fencings Subsection D of 10 15 17 11 NMAC (4	pplies to permanent pits, temporary pits, and below-grade tanks)	
☐ Chain link, six feet in height, two strands of ba	ppnes to permanent pus, temporary pus, and velow-grade tanks) when wire at top (Required if located within 1000 feet of a perman	ent residence, school, hospital,
institution or church)		
Four foot height, four strands of barbed wire e	• •	
Alternate. Please specify Four toot height, ste	eel mesh field fence (hogwire) with pipe top railing	<u> </u>
7.		
` '	oplies to permanent pits and permanent open top tanks)	
☐ Screen ☐ Netting ☒ Other _ Expanded met	-	
Monthly inspections (If netting or screening is	not physically feasible)	
8.		
Signs: Subsection C of 19.15.17.11 NMAC		
☐ 12"x 24", 2" lettering, providing Operator's na	ame, site location, and emergency telephone numbers	
⊠ Signed in compliance with 19.15.3.103 NMAC		
Please check a box if one or more of the following	ry are required. Please refer to 19.15.17 NMAC for guidance. In the submitted to the appropriate division district or the Santa Fe E	environmental Bureau office for
consideration of approval.	I to the Santa Fe Environmental Bureau office for consideration of	
10.		
material are provided below. Requests regarding office or may be considered an exception which is	ompliance for each siting criteria below in the application. Reco g changes to certain siting criteria may require administrative app must be submitted to the Santa Fe Environmental Bureau office J Please refer to 19.15.17.10 NMAC for guidance. Siting criteria o	proval from the appropriate district for consideration of approval. does not apply to drying pads or
	n of the temporary pit, permanent pit, or below-grade tank. ERS database search; USGS; Data obtained from nearby wells	☐ Yes ☑ No
Within 300 feet of a continuously flowing watered lake (measured from the ordinary high-water mark - Topographic map; Visual inspection (cert		sinkhole, or playa Yes 🛛 No
Within 300 feet from a permanent residence, scho (Applies to temporary, emergency, or cavitation p - Visual inspection (certification) of the pro-		application. ☐ Yes ☒ No ☐ NA
Within 1000 feet from a permanent residence, sch (Applies to permanent pits) - Visual inspection (certification) of the pro	ool, hospital, institution, or church in existence at the time of initia	al application.
Within 500 horizontal feet of a private, domestic f watering purposes, or within 1000 horizontal feet	resh water well or spring that less than five households use for donor of any other fresh water well or spring, in existence at the time of its ERS database search; Visual inspection (certification) of the propose	initial application.
adopted pursuant to NMSA 1978, Section 3-27-3, - Written confirmation or verification from	in a defined municipal fresh water well field covered under a muni as amended. the municipality; Written approval obtained from the municipality	
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identificati	on map; Topographic map; Visual inspection (certification) of the	proposed site ☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or ma	p from the NM EMNRD-Mining and Mineral Division	☐ Yes ⊠ No
Within an unstable area. - Engineering measures incorporated into the Society; Topographic map	ne design; NM Bureau of Geology & Mineral Resources; USGS; N	IM Geological
Within a 100-year floodplain FEMA map		☐ Yes ⊠ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identificati Within the area overlying a subsurface mine. - Written confirmation or verification or ma Within an unstable area. - Engineering measures incorporated into the Society; Topographic map Within a 100-year floodplain. - FEMA map Form C-144	Oil Consessed on Division	proposed site ☐ Yes ☒ No
Form C-144	Oil Conservation Division	Page 2 of 5

•			
Instructions: Each of the following items i attached.	nust be attached to t	he application. Please indicate, by	ecklist: Subsection B of 19.15.17.9 NMAC a check mark in the box, that the documents are
 ⊠ Siting Criteria Compliance Demonstration ∑ Design Plan - based upon the appropriation of the properties of the properties	Emergency Pits) - bas tions - based upon th ate requirements of 1	sed upon the requirements of Parag e appropriate requirements of 19.1: 9.15.17.11 NMAC	raph (2) of Subsection B of 19.15.17.9 NMAC 5.17.10 NMAC
			MAC te requirements of Subsection C of 19.15.17.9 NMAC
Previously Approved Design (attach cop	oy of design) API	Number:	or Permit Number:
Closed-loop Systems Permit Application A Instructions: Each of the following items in attached.			MAC a check mark in the box, that the documents are
Geologic and Hydrogeologic Data (or Siting Criteria Compliance Demonstr Design Plan - based upon the appropring Operating and Maintenance Plan - based upon the appropring the complex of	ations (only for on-si iate requirements of sed upon the appropri	te closure) - based upon the approp 19.15.17.11 NMAC iate requirements of 19.15.17.12 N	•
Previously Approved Design (attach cop	y of design) AP	I Number:	
☐ Previously Approved Operating and Ma	intenance Plan AF	PI Number:	(Applies only to closed-loop system that use
above ground steel tanks or haul-off bins an	d propose to impleme	ent waste removal for closure)	
attached. Hydrogeologic Report - based upon the Siting Criteria Compliance Demonstration Climatological Factors Assessment Certified Engineering Design Plans - Dike Protection and Structural Integrit Leak Detection Design - based upon the Liner Specifications and Compatibility Quality Control/Quality Assurance Compariting and Maintenance Plan - based preceded in Preceded and Overtopping Prevention Nuisance or Hazardous Odors, included Emergency Response Plan Oil Field Waste Stream Characterizated Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the approp	based upon the approty Design - based upon the appropriate requiry Assessment - based onstruction and Instal sed upon the appropriate required In Plan - based upon the Ing H ₂ S, Prevention I	priate requirements of 19.1 priate requirements of 19.15.17.11 on the appropriate requirements of tements of 19.15.17.11 NMAC I upon the appropriate requirements llation Plan iate requirements of 19.15.17.12 NI the appropriate requirements of 19.15.17.12 NI appropriate requirements of 19.15.17.12 NI appropriate requirements of 19. Plan	5.17.10 NMAC NMAC 19.15.17.11 NMAC 3 of 19.15.17.11 NMAC MAC 15.17.11 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicab	le boxes, Boxes 14 th	rough 18, in regards to the propos	sed closure plan.
Type: Drilling Workover Emerge Alternative Proposed Closure Method: Waste Exca			Below-grade Tank
On-site Clos	sure Method (Only fo In-place Burial 🔲	r temporary pits and closed-loop sy On-site Trench Burial	nta Fe Environmental Bureau for consideration)
15.	Plan Checklist: (19. Plan Checklist: (19. Plan the box, that is In the appropriate requirement of the control of the con	15.17.13 NMAC) Instructions: Eathe documents are attached. uirements of 19.15.17.13 NMAC ne appropriate requirements of Substilling fluids and drill cuttings) no the appropriate requirements of Sunts of Subsection 1 of 19.15.17.13	section F of 19.15.17.13 NMAC ubsection H of 19.15.17.13 NMAC
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Waste Removal Closure For Closed-loop System Instructions: Please indentify the facility or facil	ns That Utilize Above Ground Steel Tanks or Haul-off Bins Only lities for the disposal of liquids, drilling fluids and drill cuttings. Use	: (19.15.17.13.D e attachment if n	NMAC) nore than two
a facilities are required.			
Disposal Facility Name:			
1	ations and associated activities occur on or in areas that will not be use		-
Required for impacted areas which will not be used Soil Backfill and Cover Design Specification Re-vegetation Plan - based upon the appropriate the second control of the seco		.15.17.13 NMAC	:
provided below. Requests regarding changes to c	onstration of compliance in the closure plan. Recommendations of certain siting criteria may require administrative approval from the I to the Santa Fe Environmental Bureau office for consideration of	appropriate distr	ict office or may be
Ground water is less than 50 feet below the bottom - NM Office of the State Engineer - iWATE	n of the buried waste. ERS database search; USGS; Data obtained from nearby wells		Yes No
Ground water is between 50 and 100 feet below the - NM Office of the State Engineer - iWATE	e bottom of the buried waste RS database search; USGS; Data obtained from nearby wells		Yes No
Ground water is more than 100 feet below the botto - NM Office of the State Engineer - iWATE	om of the buried waste. ERS database search; USGS; Data obtained from nearby wells		☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing waterco lake (measured from the ordinary high-water mark - Topographic map; Visual inspection (certi		thole, or playa	☐ Yes ☐ No
Within 300 feet from a permanent residence, school - Visual inspection (certification) of the pro	ol, hospital, institution, or church in existence at the time of initial apposed site; Aerial photo; Satellite image	plication.	Yes No
watering purposes, or within 1000 horizontal feet of	resh water well or spring that less than five households use for domes of any other fresh water well or spring, in existence at the time of init ERS database; Visual inspection (certification) of the proposed site		Yes No
adopted pursuant to NMSA 1978, Section 3-27-3,	in a defined municipal fresh water well field covered under a municip as amended. the municipality; Written approval obtained from the municipality	oal ordinance	Yes No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification	on map; Topographic map; Visual inspection (certification) of the pro	oposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or ma	p from the NM EMNRD-Mining and Mineral Division		Yes No
Within an unstable area. - Engineering measures incorporated into th Society; Topographic map	ne design; NM Bureau of Geology & Mineral Resources; USGS; NM	Geological	☐ Yes ☐ No
Within a 100-year floodplain FEMA map			Yes No
by a check mark in the box, that the documents as Siting Criteria Compliance Demonstrations Proof of Surface Owner Notice - based upor Construction/Design Plan of Burial Trench Construction/Design Plan of Temporary Pit Protocols and Procedures - based upon the a Confirmation Sampling Plan (if applicable) Waste Material Sampling Plan - based upon Disposal Facility Name and Permit Number Soil Cover Design - based upon the appropr Re-vegetation Plan - based upon the appropr	IMAC) Instructions: Each of the following items must be attached a re attached. - based upon the appropriate requirements of 19.15.17.10 NMAC in the appropriate requirements of Subsection F of 19.15.17.13 NMAC (if applicable) based upon the appropriate requirements of 19.15.17.1. (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC (for liquids, drilling fluids and drill cuttings or in case on-site closur riate requirements of Subsection H of 19.15.17.13 NMAC requirements of Subsection I of 19.15.17.13 NMAC requirements of Subsection I of 19.15.17.13 NMAC repriate requirements of Subsection I of 19.15.17.13 NMAC	C 11 NMAC uirements of 19.1	5.17.11 NMAC
Богт C-144	Oil Conservation Division	Page 4 of	5.17.11 NMAC ot be achieved)

	oplication is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Kim Champlin	Title: Environmental Representative
Signature: Kim Chample	Date:03/09/2009
-mail address: kim_champlin@xtoenergy.com	Telephone: (505) 333-3100
)	
	re plan) Closure Plan (only) COD Conditions (see attachment)
OCD Representative Signature: <u>Jaclyn Bu</u>	Approval Date: 08/19/2022
Fittle: Environmental Specialist-A	OCD Permit Number: BGT1
The closure report is required to be submitted to the a	epletion): Subsection K of 19.15.17.13 NMAC ed closure plan prior to implementing any closure activities and submitting the closure reposion within 60 days of the completion of the closure activities. Please do not complete this en obtained and the closure activities have been completed.
	Closure Completion Date:
2. Closure Method: Waste Excavation and Removal On-Site Clo If different from approved plan, please explain.	Method
nstructions: Please indentify the facility or facilities wo facilities were utilized.	Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more the
	Disposal Facility Permit Number: Disposal Facility Permit Number:
Disposal Facility Name:	ivities performed on or in areas that will not be used for future service and operations?
Required for impacted areas which will not be used for Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding To	ure service and operations:
Closure Report Attachment Checklist: Instructions mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and diview of Proof of Deed Notice (required for on-site closured Plot Plan (for on-site closures and temporary pitem of Confirmation Sampling Analytical Results (if approximation Sampling Analytical Results (reduced Disposal Facility Name and Permit Numbered Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Total Site Reclamation (Photo Documentation) On-site Closure Location: Latitude	able) ed for on-site closure)
5. Derator Closure Certification:	
hereby certify that the information and attachments s	itted with this closure report is true, accurate and complete to the best of my knowledge and icable closure requirements and conditions specified in the approved closure plan.
Name (Print):	Title:
ignature:	Date:
	Talanhana
-mail address:	relephone:
e-mail address:	Telephone:

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

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

OIL CONSERVATION DIVISION RECEIVED P.O. Box 2088 Santa Fe, NM 87504-2088

DISTRICT IV PO Box 2068, Santa Fe, NM 87504-2068

1000 Ris Brazos Rd., Axtec, N.M. 57410

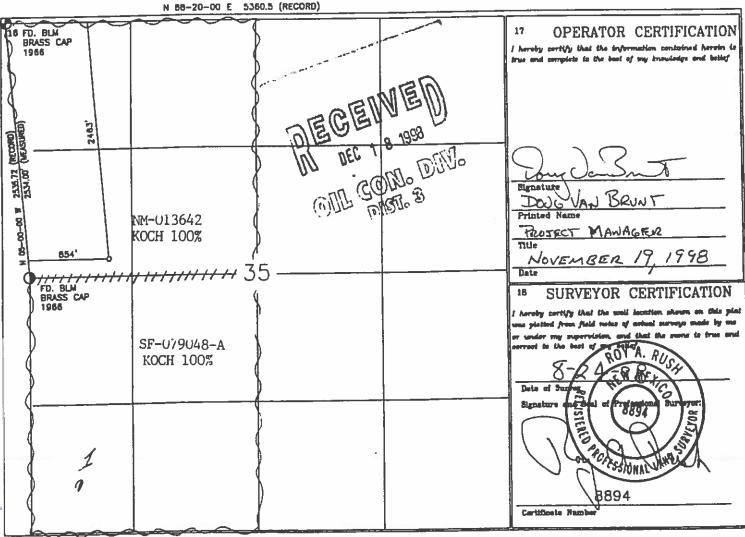
☐ AMENDED REPORT

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1 <i>013</i> 88	/ /		KOCH EXPLORATION						<u> </u>	6573 ′
<u> </u>			_		10 Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
Ε	35	32-N	9-W		2463	NORTH	854	WES1	r	SAN JUAN

11 Bottom Hole Location If Different From Surface North/South line Feet from the East/Vest line County Feet from the lot ldn Township Range UL or lot no. Section M Consolidation Code " Joint or Infill 361.09

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



A		Pit Permit	Client:	Devon Energy
Lodestar Service	es, Inc.		Project:	tank permitting
10 Dec 4465, Decay	P, CO 81302	Siting Criteria	Revised:	7-Mar-09
V		Information	Prepared by:	Trevor Ycas
API#:[3	0-045-29742	USPLSS:	32N 09W 35 E
Name:		Gardner #1A	Lat/Long:	36.941230°, -107.754740°
Depth to groundwater:		>100'	Geologic formation:	San Jose Formation (Tsj)
Distance to closest continuously flowing watercourse:	7.7	5 Los Pinos River		
Distance to closest significant watercourse, lakebed, playa lake, or sinkhole:	Canyon; 520	order tributary of Rawhide ' N to 1st-order tributary of inyon; 920' NE to Rawhide Canyon		
	***		Soil Type:	Alfisol / Entisol
Permanent residence, school, hospital, institution or church within 300'		NO		
			Annual Precipitation:	Navajo Reservoir: 11.90", Aztec: 9.77", Farmington (FAA): 8.21", Bloomfield: 8.71
Domestic fresh water well or spring within 500'		NO	Precipitation Notes:	Historical daily max. precip.: 4.0" (Bloomfield)
Any other fresh water well or spring within 1000'		NO		
Within incorporated municipal boundaries	· · · · · · · · · · · · · · · · · · ·	NO	Attached Documents:	Hyrogeologic Report Topographic Map Aerial Photo Mines, Mills and Quarries Map iWaters Mao and Data
Within defined municipal fresh water well field		NO		
Wetland within 500'		NO -	Mining Activity:	None Near
Within unstable area		NO		
Within 100 year flood plain		NO		
Additional Notes:				

Gardner C #001A Below Ground Tank Hydrogeologic Report for Siting Criteria General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate surficial geology (Dane and Bachman, 1965). The proposed pit location will be located in the north central San Juan Basin near, and west of, Navajo Lake. The predominant geologic formation is the San Jose Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur 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 San Jose Formation lies at the surface and overlies the Nacimiento Formation. Thickness of the San Jose ranges from 200 to 2700 feet, thickening from west to east across the region of interest (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the San Jose Formation are between 0 and 2700' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows southwest, toward the San Juan River. Little specific hydrogeologic data is available for the San Jose Formation system, but "numerous wells and springs used for stock and domestic supplies" draw their water from the San Jose Formation (Stone et al, 1983).

The prominent soil type(s) at the proposed site are entisols and aridisols, which are defined as soils exhibiting little to no profile development (www.emnrd.state.nm.us). Soils are basically unaltered from their parent rock. Miles of arroyos, washes and intermittent streams exist as part of the drainage network towards the 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 and prohibits effective recharge to the underlying aquifers.

Regional weather further prohibit active recharge. The climate is arid, averaging just over 11 inches of rainfall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation falls from July through September. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. September 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).

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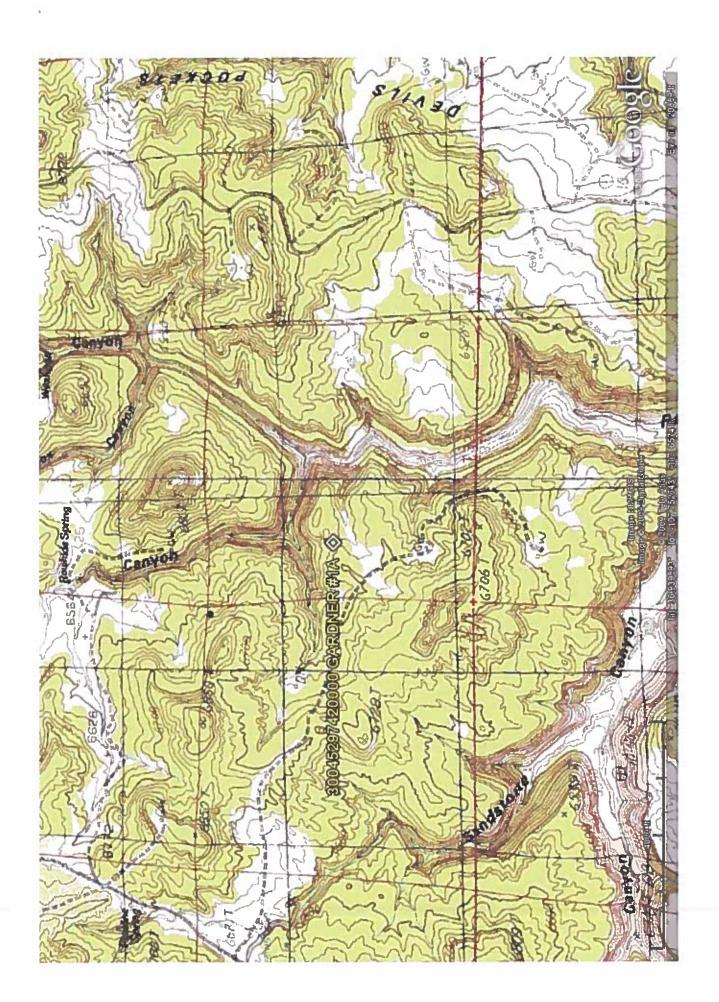
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Site Specific Hydrogeology

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, proximity to adjacent channels & spring features at similar elevations nearby are also taken into consideration. Groundwater data is extremely limited in this region; the nearest iWaters data point lies 6100 feet north (SP 04523 1); this source is an evaporation pond. The closest water well is 1.9 miles to the northwest (SJ 03131).

Beds of water-yielding sandstone are present in the San Jose Formation, which are fluvial in origin and are interbedded with mudstone, siltstone & shale. "Extensive intertonguing" of different members of this formation is reported (Stone et al, 1983). Porous sandstones form the principal aquifers, while relatively impermeable shales and mudstones form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the San Jose Formation at depths greater than 100 feet and thicknesses of the aquifer can be up to several hundred feet (USGS, Groundwater Atlas of the US; Stone et al, 1983).

Rawhide Canyon is only 900 feet away from the site. However, it is over 200' lower in elevation. Groundwater data available from the NM State Engineer's iWaters Database for wells near the existing below grade tank are attached. The nearest iWaters well is 1.79 miles NW; depth to groundwater within the well is 580 feet below ground surface. The available groundwater data and assessment of nearby hydrogeologic features suggests groundwater is greater than 100 feet below ground surface.





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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

		QQQ						Depth C	epth V	Vater
POD Number	County	6416 4	Sec	Tws	Rng	Х	Υ	WellV	Vater C	olumn
SJ 03131	San Juan	3 3 3	22	32N	09W	252963	4094453	843	580	263

Record Count: 1 Average Depth to Water: 580 feet

Minimum Depth: 580 feet

Maximum Depth: 580 feet

New Mexico Office of the State Engineer POD Reports and Downloads

			(e) All		
	Radius:	Suffix:	Non-Domestic O Domestic	column Report	
	Search Radius:	Number:	ONon-Don	Report Water C	nu Help
Sections:	Zone:		st)	vg Depth to Water	Clear Form WATERS Menu Help
Township: 32N Range: 08W	X:	Basin:	(Last)	POD / Surface Data Report Avg Depth to Water Report	Clear Form
Township: 32	NAD27 X:		ne: (First)	POD / Surfac	
	•	County:	Owner Name:		

WATER COLUMN REPORT 08/05/2008

POD Number Tws Rng Sec q q q 2 one X Well Water Water Column SJ 02992 32 N 08W 27 3 2 1 2 one X Well Water Water Column SJ 03823 POD1 32N 08W 27 3 2 3 277182 2165918 380 250 130 250 130 SJ 03259 32N 08W 27 4 3 4 34 1 2 3 400 375 25 25 SJ 03259 32N 08W 34 1 4 1 34 1 4 1 35 1 4 2 360 300 300 SJ 03379 32N 08W 35 1 4 2 32 1 4 2 360 300 300		(quarters	are	Z	2	Z II V	ű M	T ASH	HKE)						
Tws Rng Sec q q q q zone X Yeall Water 32N 08W 27 3 2 1 330 230 32N 08W 27 3 2 3 277182 2165918 380 250 32N 08W 27 4 3 4 4 3 4 400 375 32N 08W 34 1 2 3 550 500 32N 08W 35 1 4 1 100 100 32N 08W 35 1 4 2 300 300		(quarters	are	bid	96	34	to	small	est)		Depth	Depti	Water	(in	feet)
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32N 08W 27 3 2 3 277182 2165918 380 250 32N 08W 34 1 2 3 400 375 32N 08W 34 1 4 1 100 32N 08W 35 1 3 500 300		32N	M80	27	(M)	2 1					330	230	100		
32N 08W 27 4 3 4 400 375 32N 08W 34 1 2 3 550 500 32N 08W 35 1 4 1 100 32N 08W 35 1 3 500 300	4	32N	08W	27	m	2 3			277182	2165918	380	250	130		
32N 08W 34 1 2 3 550 500 32N 08W 34 1 4 1 100 32N 08W 35 1 3 500 300 300		32N	08W	27	4	3 4					400	375	25		
32N 08W 34 1 4 1 100 32N 08W 35 1 3 500 32N 08W 35 1 4 2 300		32N	08W	34		2 3					550	500	50		
32N 08W 35 1 3 500 32N 08W 35 1 4 2 300 300		32N	M80	34	_	4 1					100				
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Record Count:

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New Mexico Office of the State Engineer POD Reports and Downloads

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Township: 32N	NAD27 X:	Basin:	(First)	OD / Surface Dat	
Ţ	NAD	County:	Owner Name:		

WATER COLUMN REPORT 08/05/2008

	(quarters	are		3	2	E E	: are 1=NW 2=NE 3=SW 4=SE)							
	(quarters	are biggest to	bic	9	å	2	smallest)			Depth	Depth	Water (in	(in	feet)
POD Number		Rng 5	300	ש	μ·	_	Zone	×	þ	Well	Water	Column		
SJ 03117	32N	07W	07 2 2 2	N	S					240				
SJ 01612		07W 34	34	m						800				

Record Count: 2

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

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

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

	(quarter	rs ar	e sn	nalle	est to	larges	it)	(NAD83 UTI	M in meters)		(In feet)	
DOD North and	0		Q	270		*****	D			DepthD	Obel_Attraction	
POD Number	County	64				Tws	Rng	X	Y		vater	Column
SJ 00054	San Juan				10	31N	10W	244754	4089470	455		
SJ 00128	San Juan		2	2	04	31N	10W	243432	4091295	70	21	49
SJ 00163	San Juan	1	4	1	28	31N	10W	242330	4084609	1538		
SJ 00163 EXPL	San Juan	3	4	1	28	31N	10W	242330	4084409	1538		
SJ 00175	San Juan			2	04	31N	10W	243218	4091107	28	13	15
SJ 00304	San Juan		4	3	05	31N	10W	240972	4090194	18	5	13
SJ 00498	San Juan		2	1	04	31N	10W	242629	4091316	26	8	18
SJ 00555 CLW225581	San Juan			1	19	31N	10W	239011	4086427	70	45	25
SJ 00573	San Juan		4	1	04	31N	10W	242617	4090921	37	12	25
SJ 00585	San Juan				80	31N	10W	241111	4089191	40	23	17
SJ 00595	San Juan	2	4	1	04	31N	10W	242716	4091020	90	12	78
SJ 00595 S	San Juan	2	4	1	04	31N	10W	242716	4091020	70	10	60
SJ 00611	San Juan	3	3	3	18	31N	10W	238733	4086928	58	46	12
SJ 00611 S	San Juan		3	3	18	31N	10W	238834	4087029	65	25	40
SJ 00830 -EXPLOR	San Juan			3	15	31N	10W	243864	4087104	550		
SJ 00967	San Juan		3	4	27	31N	10W	244351	4083653	130	90	40
SJ 00981	San Juan		1	2	34	31N	10W	244338	4083246	164	118	46
SJ 00990	San Juan		3	4	27	31N	10W	244351	4083653	162	110	52
SJ 01198	San Juan		4	3	17	31N	10W	240842	4086962	158	97	61
SJ 01349	San Juan	3	3	1	19	31N	10W	238709	4086125	78	67	11
SJ 01370	San Juan	2	3	1	05	31N	10W	240690	4091116	48	28	20
SJ 01373	San Juan		3	4	05	31N	10W	241378	4090181	6	3	3
SJ 01373 X	San Juan	3	4	3	05	31N	10W	240871	4090093	35	10	25
SJ 01428	San Juan		3	1	19	31N	10W	238810	4086226	65	45	20
SJ 01480	San Juan		1	2	34	31N	10W	244338	4083246	245	125	120
SJ 01483	San Juan	1	4	4	27	31N	10W	244648	4083737	195	150	45
SJ 01500	San Juan		1	3	18	31N	10W	238843	4087430	26	15	11_
SJ 01521	San Juan			4	07	31N	10W	239885	4088813	45	29	16

(NAD83 UTM in meters)

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		Q	Q	Q						DepthE	epth	Water
POD Number	County	64	116	4	Sec	Tws	Rng	X	Y	THE RESERVE AND PERSONS ASSESSED.	COLUMN TO SERVICE	Column
SJ 01534	San Juan	1	3	1	18	31N	10W	238751	4087931	34	23	11
SJ 01550	San Juan		1	3	18	31N	10W	238843	4087430	22	7	15
SJ 01552	San Juan	4	1	3	18	31N	10W	238942	4087329	30	22	8
SJ 01563	San Juan		1	2	04	31N	10W	243030	4091306	44	28	16
SJ 01564	San Juan		2	2	04	31N	10W	243432	4091295	34	10	24
SJ 01587	San Juan		4	1	18	31N	10W	239251	4087819	35	5	30
SJ 01598	San Juan		4	1	18	31N	10W	239251	4087819	30	5	25
SJ 01616	San Juan		3	1	18	31N	10W	238852	4087832	18	8	10
SJ 01625	San Juan		1	3	18	31N	10W	238843	4087430	21	6	15
SJ 01718	San Juan	4	1	2	18	31N	10W	239771	4088107	30	4	26
SJ 01747	San Juan	3	4	1	18	31N	10W	239150	4087718	20	6	14
SJ 01796	San Juan	3	3	1	18	31N	10W	238751	4087731	32	20	12
SJ 01958	San Juan			2	06	31N	10W	239969	4091225	103	83	20
SJ 01967 X	San Juan	2	3	1	05	31N	10W	240690	4091116	25	10	15
SJ 01977	San Juan		3	2	06	31N	10W	239768	4091024	93	33	60
SJ 02037	San Juan		3	4	05	31N	10W	241378	4090181	39	11	28
SJ 02044	San Juan		3	1	05	31N	10W	240591	4091017	22	12	10
SJ 02044 X	San Juan	4	3	1	05	31N	10W	240690	4090916	28	14	14
SJ 02069	San Juan	1	2	2	05	31N	10W	241724	4091446	22	9	13
SJ 02083	San Juan	1	2	2	05	31N	10W	241724	4091446	23	10	13
SJ 02084	San Juan	2	4	4	25	31N	10W	247878	4083652	315		
SJ 02089	San Juan	1	1	2	04	31N	10W	242929	4091405	55	40	15
SJ 02107	San Juan		3	4	05	31N	10W	241378	4090181	35	16	19
SJ 02150	San Juan		2	2	07	31N	10W	240142	4089811	41	23	18
SJ 02304	San Juan		2	1	80	31N	10W	240959	4089789	35	29	6
SJ 02389	San Juan	3	2	2	07	31N	10W	240041	4089710	48	31	17
SJ 02399	San Juan	1	4	3	05	31N	10W	240871	4090293	40	14	26
SJ 02624	San Juan		1	1	18	31N	10W	238862	4088234	295	125	170
SJ 02749	San Juan	2	2	3	18	31N	10W	239340	4087515	16	10	6
SJ 02821	San Juan	_1	_1	3	18	31N	10W	238742	4087529	24	8	16
SJ 02843	San Juan	2	3	1	05	31N	10W	240690	4091116	25	10	15

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

(quarters are smallest to largest)

(In feet)

(quarters are 1=NW 2=NE 3=SW 4	=SE)
(quarters are smallest to largest)	(NAD83 UTM in meters)

POD Number	County	Q 0			Tws	Rng	×	Y	Depth D		Water Column
SJ 02844	San Juan	4 2		04	31N	10W	242728	4091215	37	21	16
SJ 02884	San Juan	4 4	. 2	05	31N	10W	241910	4090855	75		
SJ 02909	San Juan	1 1	1	19	31N	10W	238721	4086726	60	47	13
SJ 02929	San Juan	1 1	1	19	31N	10W	238721	4086726	58	40	18
SJ 02944	San Juan	2 4	3	05	31N	10W	241071	4090293	100		
SJ 02945	San Juan	4 2	2	05	31N	10W	241924	4091246	17	5	12
SJ 02960	San Juan	2 4	4	27	31N	10W	244848	4083737	200	150	50
SJ 02979	San Juan	1 1	1	19	31N	10W	238721	4086726	57	43	14
SJ 03004	San Juan	4 2	2	05	31N	10W	241924	4091246	18	6	12
SJ 03013	San Juan	3 2	2	05	31N	10W	241724	4091246	19	7	12
SJ 03033	San Juan	1 1	2	04	31N	10W	242929	4091405	52	30	22
SJ 03034	San Juan	2 ′	2	04	31N	10W	243129	4091405	45	23	22
SJ 03057	San Juan	4 3	1	08	31N	10W	240636	4089296	19	6	13
SJ 03062	San Juan	2 2	2 1	04	31N	10W	242728	4091415	55	46	9
SJ 03062 CLW263578	San Juan	2 2	1	04	31N	10W	242728	4091415	47	40	7
SJ 03070	San Juan	2 3	3 2	18	31N	10W	239760	4087904	21	1	20
SJ 03079	San Juan	3 2	2	07	31N	10W	240041	4089710	50		
SJ 03086	San Juan	3 ′	1	19	31N	10W	238721	4086526	61	44	17
SJ 03103	San Juan	1 '	1	19	31N	10W	238721	4086726	53	33	20
SJ 03109	San Juan	3 2	2	05	31N	10W	241724	4091246	21	2	19
SJ 03112	San Juan	2 4	3	05	31N	10W	241071	4090293	45	33	12
SJ 03114	San Juan	1 2	2 3	18	31N	10W	239140	4087515	16	8	8
SJ 03119	San Juan	2 '	3	18	31N	10W	238942	4087529	10	8	2
SJ 03163	San Juan	3 4	1	18	31N	10W	239150	4087718	19	5	14
SJ 03178	San Juan	2 4	4	27	31N	10W	244848	4083737	235	150	85
SJ 03246	San Juan	3 4	4	05	31N	10W	241684	4090067	65	15	50
SJ 03285	San Juan	1 '	3	19	31N	10W	238697	4085924	40		
SJ 03308	San Juan	3 4	2	06	31N	10W	240078	4090920	100	60	40
SJ 03324	San Juan	2 3	3 2	18	31N	10W	239760	4087904	43	20	23
SJ 03330	San Juan	1 3	3	07	31N	10W	238770	4088734	400		
SJ 03336	San Juan	3 4	1 4	05	31N	10W	241684	4090067	58	28	30

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

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

			Total I				1110-1-1200		NEW TOTAL	
POD Number	County	Q Q Q 6416 4		Tws	Rng	х	Y	Depth D	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME	Water Column
SJ 03345	San Juan	2 3 1	18	31N	10W	238951	4087931	21	11	10
SJ 03359	San Juan	1 1 1	19	31N	10W	238721	4086726	70		
SJ 03368	San Juan	4 2 2	05	31N	10W	241924	4091246	19	6	13
SJ 03387	San Juan	1 2 2	34	31N	10W	244634	4083331	250	200	50
SJ 03435	San Juan	3 2 3	18	31N	10W	239140	4087315	10	6	4
SJ 03452	San Juan	2 4 4	05	31N	10W	241884	4090267	61	30	31
SJ 03459	San Juan	2 3 3	32	31N	10W	240390	4082266	185	175	10
SJ 03474	San Juan	2 4 2	18	31N	10W	240166	4087891	35		
SJ 03486	San Juan	3 1 1	19	31N	10W	238721	4086526	65	45	20
SJ 03487	San Juan	3 1 1	19	31N	10W	238721	4086526	65	45	20
SJ 03539	San Juan	3 4 4	27	31N	10W	244648	4083537	205	124	81
SJ 03544	San Juan	4 4 1	35	31N	10W	245616	4082705	325	220	105
SJ 03545	San Juan	3 4 1	35	31N	10W	245416	4082705	455	317	138
SJ 03549	San Juan	4 4 2	05	31N	10W	241910	4090855	42	35	7
SJ 03554	San Juan	1 2 4	35	31N	10W	246198	4082488	454	317	137
SJ 03570	San Juan	4 4 2	35	31N	10W	246399	4082687	250		
SJ 03571	San Juan	4 4 1	35	31N	10W	245616	4082705	250		
SJ 03576	San Juan	3 3 2	35	31N	10W	245814	4082696	450	137	313
SJ 03622	San Juan	3 2 3	18	31N	10W	239140	4087315	20	6	14
SJ 03624	San Juan	2 1 2	34	31N	10W	244437	4083345	165	65	100
SJ 03705 POD1	San Juan	2 1 1	19	31N	10W	238921	4086726	69	56	13
SJ 03714 POD1	San Juan	1 1 3	08	31N	10W	240421	4089091	21	6	15
SJ 03721 POD1	San Juan	3 2 3	18	31N	10W	239140	4087315	25	10	15
SJ 03722 POD1	San Juan	3 2 3	18	31N	10W	239140	4087315	20	6	14
SJ 03728 POD1	San Juan	3 3 1	35	31N	10W	245017	4082714	365	230	135
SJ 03802 POD1	San Juan	2 3 4	07	31N	10W	239901	4088689	41	24	17
SJ 03807 POD1	San Juan	4 4 3	04	31N	10W	242694	4090109	250	120	130
SJ 03813 POD1	San Juan	4 1 2	18	31N	10W	239838	4088105	16	6	10
SJ 03824 POD1	San Juan	1 3 1	35	31N	10W	245011	4082953	385	245	140
SJ 03825 POD1	San Juan	1 4 2	07	31N	10W	240006	4089552	59		

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

Average Depth to Water: 48 feet

Minimum Depth: 1 feet

Maximum Depth: 317 feet

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Record Count:9

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

				_	•				-	
POD Number	County	Q Q Q 6416 4		Tws	Rng	x	Y	Depth I		Water Column
SJ 00013	San Juan	3	10	31N	09W	253017	4088369	458		
SJ 00014	San Juan	3	10	31N	09W	253017	4088369	462	312	150
SJ 00015	San Juan		19	31N	09W	248812	4085735	610		
SJ 00016	San Juan	3 3 4	27	31N	09W	253339	4083235	118		
SJ 00022	San Juan	2	20	31N	09W	250557	4086032	202	120	82
SJ 00023	San Juan	3	17	31N	09W	249764	4086871	550	200	350
SJ 00029	San Juan	4	21	31N	09W	252139	4085175	178		
SJ 00052	San Juan	3	20	31N	09W	249738	4085267	510		
SJ 03769 POD1	San Juan	2 3 2	14	31N	09W	255236	4087367	485	390	95

Average Depth to Water: 255 feet

Minimum Depth: 120 feet

Maximum Depth: 390 feet





Record Count:5

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

				and the same of th				
POD Number	County	Q Q Q 6416 4 Sec	c Tws Rng	X	Y	Depth Depth Well V		Water Column
SJ 00012	San Juan	2 30	31N 08W	258218	4084189	1021	475	546
SJ 00198	San Juan	4 3 3 32	31N 08W	258895	4081451	2003		
SJ 01167	San Juan	3 4 4 24	31N 08W	266352	4084410	465	390	75
SJ 01822	San Juan	2 2 2 25	31N 08W	266540	4084216	550	500	50
SJ 03306	San Juan	4 4 1 25	31N 08W	265739	4083645	600	500	100

Average Depth to Water: 466 feet

Minimum Depth: 390 feet

Maximum Depth: 500 feet





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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number Record Count:0 QQQ

County 6416 4 Sec Tws Rng

X

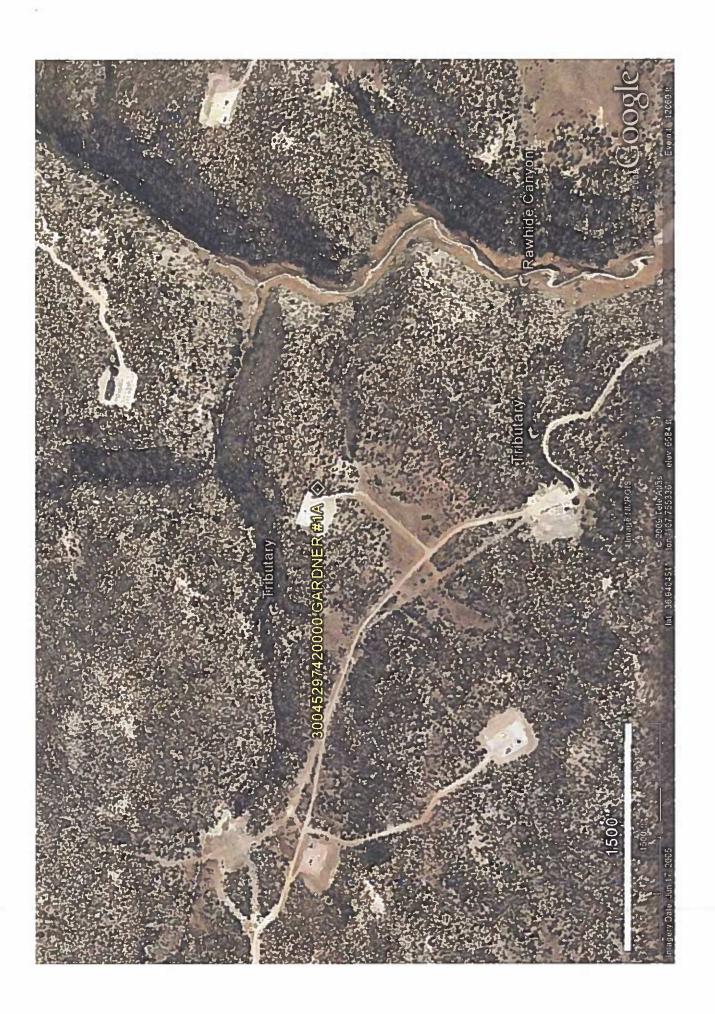
Depth Depth Water
Y Well Water Column

Average Depth to Water: 0 feet

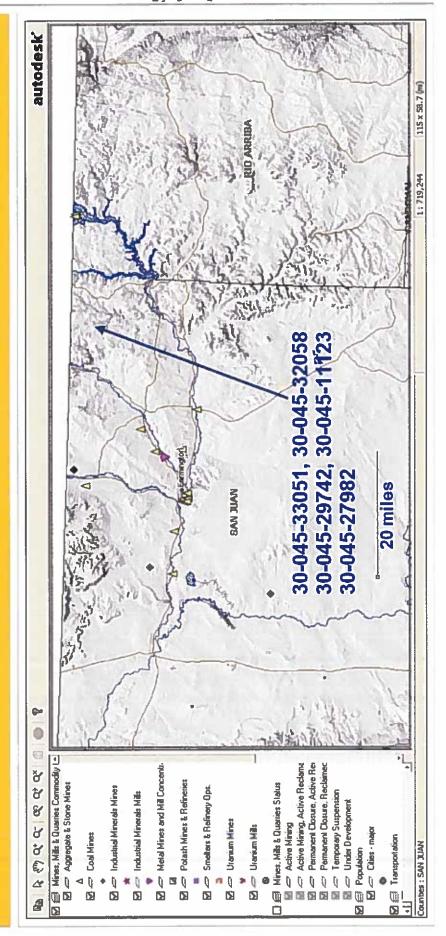
Minimum Depth: 0 feet

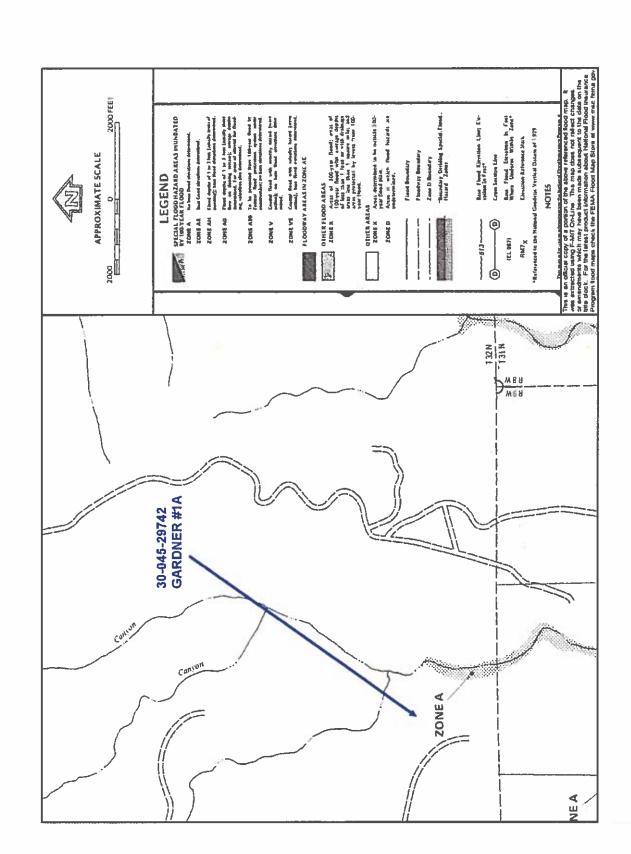
Maximum Depth: 0 feet

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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.

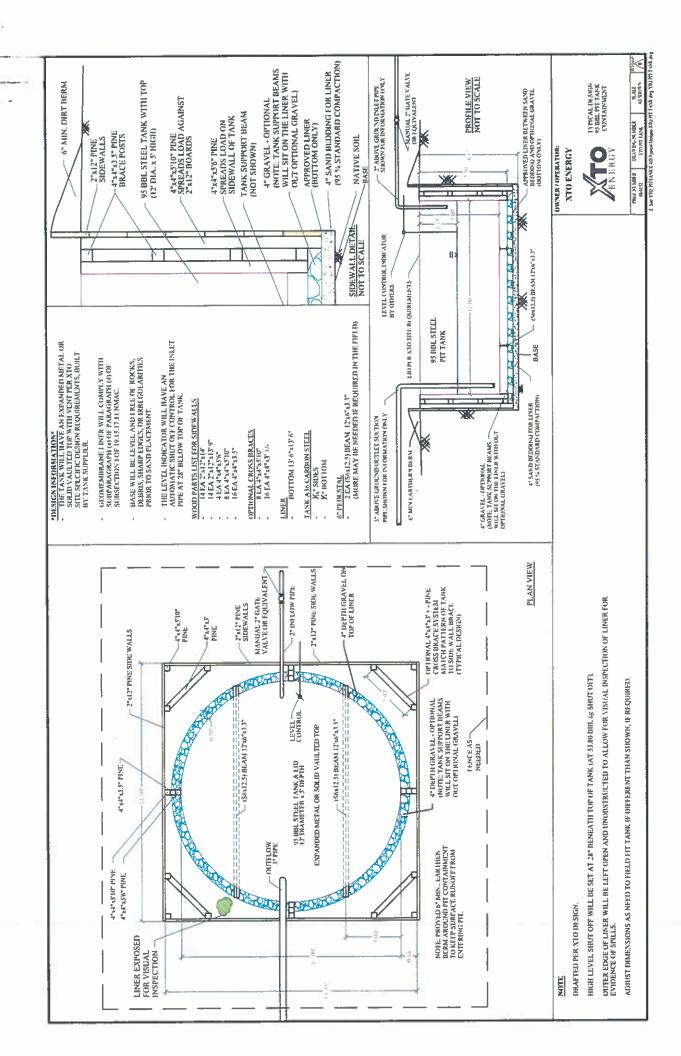
General Plan

- 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 ½ 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).

- 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).
- 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.



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

- 1. 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.
 - 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.

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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.

		MONT	1LY BELO	MONTHLY BELOW GRADE TANK INSPECTION FORM	INSPECTIO	N FORM		
Well Name:					API No.:			
Legals	Sec:		Township:		Range:			
XTO	Inspection	Inspection	Any visible	Any vieible cione of	Collection of	Vicinity later	A	
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)
				8				
		S						
Notes:	Provide De	Provide Detailed Description:	otion:					
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

- XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by 1. 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 2. (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.
- XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure 4. 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

Basin Disposal Permit No. NM01-005 Produced water

- XTO will remove the below-grade tank and dispose of it in a division approved facility or 5. 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

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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
 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.
- 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
 - 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 division-approved 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 132335

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	132335
	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 id	entify the appropriate associations in the system.
Facility or Site Name	GARDNER 1A
Facility ID (f#), if known	Not answered.
Facility Type	Below Grade Tank - (BGT)
Well Name, include well number	GARDNER 1A
Well API, if associated with a well	3004529742
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)	95		
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	True		
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.		

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

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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 132335

QUESTIONS (continued)

HILCORP ENERGY COMPANY	372171	
1111 Travis Street	Action Number:	
Houston, TX 77002	132335	
	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	
	- Noguno	
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 Disease and if () (arising May De Needed)		
Other, Netting. Please specify (Variance May Be Needed)	expanded metal or solid vaulted top	
	<u> </u>	
Signs		
Subsection C of 19.15.17.11 NMAC (If there are multiple operators at a site, each operator must have	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 of approval.	Not answered.	
Exception(s):		
Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	Not answered.	

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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 Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 132335

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: 132335 Action Type: [C-144] Legacy Below Grade Tank Plan (C-144LB)	
QUESTIONS	[o rrig zegacy zelow crade rankrial (o rrizz)	
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	
Proposed Closure Method		
Below-grade Tank	Below Grade Tank - (BGT)	
Waste Excavation and Removal	True	
Alternate Closure Method. Please specify (Variance Required)	Not answered.	

03/09/2009

Operator Application Certification Registered / Signature Date

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ACKNOWLEDGMENTS

Action 132335

ACKNOWLEDGMENTS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	132335
	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.
V	I hereby certify that the information submitted with this documentation is true, accurate and complete to the best of my knowledge and belief.

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CONDITIONS

Action 132335

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	132335
	Action Type:
	[C-144] Legacy Below Grade Tank Plan (C-144LB)

CONDITIONS

Created By		Condition Date
jburdine	None	8/19/2022