District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 COB JAN 12 PM 1 40State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 4220 South St. Francis Dr.	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 7	Tank, or
Proposed Alternative Method Permit or Closure P	Plan Application
Type of action:Image: Permit of a pit, closed-loop system, below-grade tank, oExisting BGTClosure of a pit, closed-loop system, below-grade tank, oImage: Modification to an existing permitClosure plan only submitted for an existing permitted orbelow-grade tank, or proposed alternative method	or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop syste	em, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable go	
I. Operator: <u>XTO Energy, Inc.</u> OGRID #:	5380
Address: #382 County Road 3100, Aztec, NM 87410	
Facility or well name:Bruington Gas Com C #1R	
API Number: 30-045-33532 OCD Permit Number:	
U/L or Qtr/Qtr <u>D</u> Section <u>21</u> Township <u>30N</u> Range <u>11W</u> Cou	
Center of Proposed Design: Latitude <u>36.802861</u> Longitude <u>108.002681</u>	
Surface Owner: 🔲 Federal 🗍 State 🛛 Private 🔲 Tribal Trust or Indian Allotment	
<ul> <li>2.</li> <li>Pit: Subsection F or G of 19.15.17.11 NMAC</li> <li>Temporary: Drilling Workover</li> <li>Permanent Emergency Cavitation P&amp;A</li> <li>Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Ot</li> <li>String-Reinforced</li> <li>Liner Seams: Welded Factory OtherVolume:bbl</li> </ul>	
<ul> <li>3.</li> <li>Closed-loop System: Subsection H of 19.15.17.11 NMAC</li> <li>Type of Operation: P&amp;A Drilling a new well Workover or Drilling (Applies to activities whi intent)</li> <li>Drying Pad Above Ground Steel Tanks Haul-off Bins Other</li> <li>Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Liner Seams: Welded Factory Other</li> </ul>	
4.	
Tank Construction material: <u>Steel</u>	
Secondary containment with leak detection 🔲 Visible sidewalls, liner, 6-inch lift and automatic ov	vertlow shut-off
□ Visible sidewalls and liner □ Visible sidewalls only ⊠ Other <u>Visible sidewalls, vaulted, auton</u>	natic high-level shut off, no liner
Liner type: Thicknessmil 🔲 HDPE 🗋 PVC 🗋 Other	
<ul> <li>S.</li> <li>Alternative Method:</li> <li>Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environme.</li> </ul>	ntal Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)

Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify Four foot height, steel mesh field fence (hogwire) with pipe top railing

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

Screen 🗌 Netting	g 🖾 Other	Expanded metal	or solid vaulted top
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Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19.15.17.11 NMAC

7.

10

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

<ul> <li>Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	🗌 Yes 🛛 No
<ul> <li>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).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	□ Yes ⊠ No □ NA
<ul> <li>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>(Applies to permanent pits)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🛛 No
<ul> <li>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.</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	🗌 Yes 🛛 No
Within a 100-year floodplain. - FEMA map	🗌 Yes 🛛 No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are
attached.         Image: Mydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC         Image: Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC         Image: Stiing Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Image: Design Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC         Image: Design Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC         Image: Design Plan - basere upon the appropriate requirements of Subsection C o
Previously Approved Design (attach copy of design) API Number: or Permit Number:
12.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
<ul> <li>Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> </ul>
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC
and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC         Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Proposed Closure:       19.15.17.13 NMAC         Instructions:       Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling       Workover       Emergency       Cavitation       P&A       Permanent Pit       Below-grade Tank       Closed-loop System         Alternative       Proposed Closure Method:       Waste Excavation and Removal       Waste Removal (Closed-loop systems only)         On-site Closure Method (Only for temporary pits and closed-loop systems)       In-place Burial       On-site Trench Burial         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)       Inclusion
Waste Excavation and Removal Closure Plan Checklist:       (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling flu facilities are required.	ids and drill cuttings. Use attachment if i	more than two										
	acility Permit Number:											
Disposal Facility Name: Disposal Facility Permit Number: Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future service and oper												
Will any of the proposed closed-loop system operations and associated activities occur on or i Yes (If yes, please provide the information below)  No	n areas that will not be used for future server	vice and operations?										
Required for impacted areas which will not be used for future service and operations:         Soil Backfill and Cover Design Specifications based upon the appropriate requirement         Re-vegetation Plan - based upon the appropriate requirements of Subsection 1 of 19.15.         Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.	17.13 NMAC	с										
<sup>17.</sup> Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure pla provided below. Requests regarding changes to certain siting criteria may require administ considered an exception which must be submitted to the Santa Fe Environmental Bureau of demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance	rative approval from the appropriate dist fice for consideration of approval. Justi	rict office or may be										
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained	rom nearby wells	☐ Yes ☐ No ☐ NA										
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained	rom nearby wells	□ Yes □ No □ NA										
Ground water is more than 100 feet below the bottom of the buried waste NM Office of the State Engineer - iWATERS database search; USGS; Data obtained	rom nearby wells	□ Yes □ No □ NA										
<ul> <li>Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant water (measured from the ordinary high-water mark).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	tercourse or lakebed, sinkhole, or playa	🗌 Yes 🗌 No										
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	e at the time of initial application.	Yes No										
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five l watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in ex - NM Office of the State Engineer - iWATERS database; Visual inspection (certification	istence at the time of initial application.	🗌 Yes 🗌 No										
Within incorporated municipal boundaries or within a defined municipal fresh water well field adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained		🗌 Yes 🗌 No										
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspectio	n (certification) of the proposed site	Yes No										
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Miner</li> </ul>	al Division	🗌 Yes 🗌 No										
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Minera Society; Topographic map</li> </ul>	Resources; USGS; NM Geological	🗌 Yes 🗌 No										
Within a 100-year floodplain. - FEMA map		🗌 Yes 🗌 No										
18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following	itams must be attacked to the closure of	nu Plansa indicata										

Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
 Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC

Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC

Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
 Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
 Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

· · · · · · · · · · · · · · · · · · ·		
19. Operator Application Certification: I hereby certify that the information submitted with this application	n is true, accurate and complete to th	ne best of my knowledge and belief.
	Title:	Environmental Representative
Signature: Kim Champlin	Date:	12/29/2008
e-mail address: kim_champlin@xtoenergy.com	Telephone:	(505) 333-3100
20. OCD Approval: Permit Application (including closure plan)	Closure Plan (only) OCD	Conditions (see attachment)
OCD Representative Signature:		Approval Date:
Title:	OCD Permit Num	ber:
<sup>21.</sup> Closure Report (required within 60 days of closure completion Instructions: Operators are required to obtain an approved closu The closure report is required to be submitted to the division with section of the form until an approved closure plan has been obtain	are plan prior to implementing any ain 60 days of the completion of the ined and the closure activities have	closure activities and submitting the closure report. closure activities. Please do not complete this been completed.
	Closure Com	pletion Date:
<ul> <li>22.</li> <li>Closure Method:</li> <li>Waste Excavation and Removal On-Site Closure Method</li> <li>If different from approved plan, please explain.</li> </ul>	d 🔲 Alternative Closure Method	Waste Removal (Closed-loop systems only)
<sup>23.</sup> Closure Report Regarding Waste Removal Closure For Closed Instructions: Please indentify the facility or facilities for where to two facilities were utilized.		
Disposal Facility Name:	Disposal Facility P	ermit Number:
Disposal Facility Name:		ermit Number:
Were the closed-loop system operations and associated activities p		be used for future service and operations?
Required for impacted areas which will not be used for future served         Site Reclamation (Photo Documentation)         Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique	ice and operations:	
<ul> <li>24.</li> <li>Closure Report Attachment Checklist: Instructions: Each of the mark in the box, that the documents are attached.</li> <li>Proof of Closure Notice (surface owner and division)</li> <li>Proof of Deed Notice (required for on-site closure)</li> <li>Plot Plan (for on-site closures and temporary pits)</li> <li>Confirmation Sampling Analytical Results (if applicable)</li> <li>Waste Material Sampling Analytical Results (required for on Disposal Facility Name and Permit Number</li> <li>Soil Backfilling and Cover Installation</li> <li>Re-vegetation Application Rates and Seeding Technique</li> <li>Site Reclamation (Photo Documentation)</li> <li>On-site Closure Location: Latitude</li> </ul>	n-site closure)	
25.		
Operator Closure Certification: I hereby certify that the information and attachments submitted wit belief. I also certify that the closure complies with all applicable c		
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	

	1		Client:	XTO Energy			
Depth to groundwater: Distance to closest continuously flowing watercourse: Distance to closest gnificant watercourse, akebed, playa lake, or sinkhole: Permanent residence, school, hospital, institution or church within 300' Domestic fresh water I or spring within 500' Any other fresh water well or spring within 1000' Within incorporated municipal boundaries chin defined municipal fresh water well field Wetland within 500' Within unstable area Within 100 year flood	, inc.	Pit Permit	Project:	Pit Permits			
	CO 81302	<b>Siting Criteria</b>	Revised:	18=Dec=08			
V		anna antenia	Prepared by:	Brooke Herb			
API#:		004533532	USPLSS:	T30N,R11W,S21D			
Name:	BRUINGT	ON GAS COM C #1R	Lat/Long:	36.802861, -108.002681			
Depth to groundwater:		> 100'	Geologic formation:	Nacimiento Formation			
and a state of the							
continuously flowing 1 watercourse:	L.20 miles S	SE of the Animas River					
significant watercourse, 2 lakebed, playa lake, or		Villiams Arroyo; 2590' Irrigation Ditch					
Sirkhole.	1 657 - 16 J - 16 9 - 12 - 16 - 5	ti 1990 - Start Maria Maria, 1995 1996 - Start Maria Maria Maria Maria Maria	Soil Type:	Entisols			
institution or church		No					
		e e e en en e e e e e e e e e e e e e e	Annual Precipitation:	9.77 inches (Aztec)			
		No	Precipitation Notes:	no significant precip events			
Any other fresh water well or spring within		No					
A REAL PROPERTY AND A REAL	and the second	No	Attached Documents:	Groundwater report and Data; FEMA Flood Zone Map			
Vithin defined municipal fresh water well field		No		Aerial Photo, Topo Map, Mines Mills and Quarries Ma			
Wetland within 500'		No	Mining Activity:				
Within unstable area	्रे इ.स. हो तिहास	No		1.85 miles SE of Airport Pit			
-	and any		The line of				
Within 100 year flood plain	No - FE	MA Flood Zone 'X'					
	. Also a hate a	and the second second	and the second second	a the second and a second and			

### BRUINGTON GAS COM C #1R Below Ground Tank Siting Criteria and Closure Plan

### **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 near Williams Arroyo between the Animas and San Juan rivers. The Nacimiento Formation of Tertiary Age is exposed, along with Quaternary alluvial and aeoloian sands within dry washes and arroyos.

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).

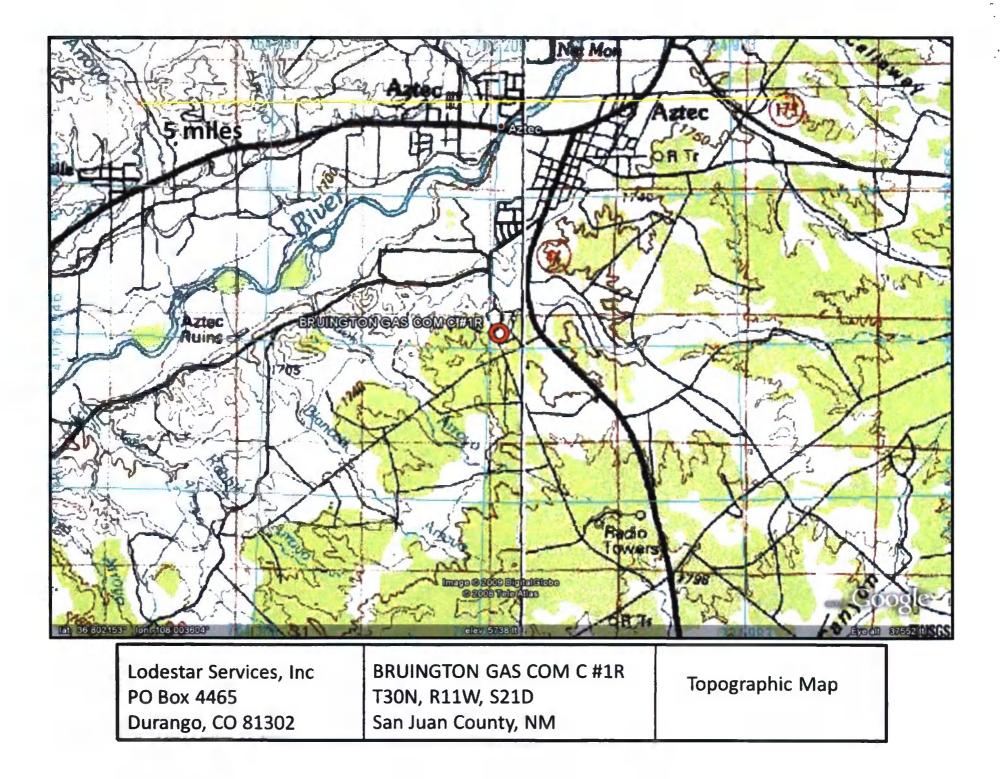
### Site Specific Hydrogeology

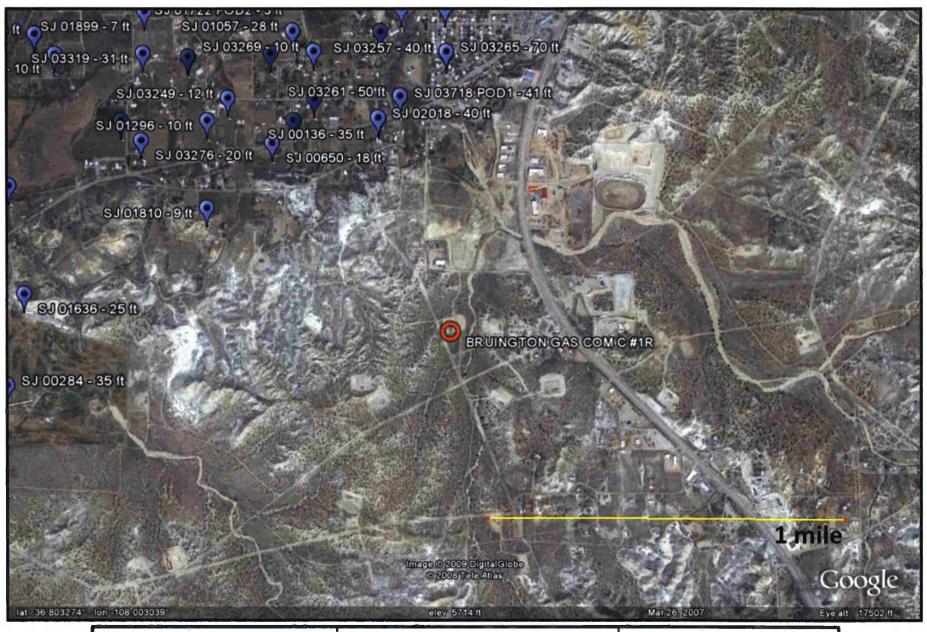
Depth to groundwater is estimated to be greater than 100 feet. This estimation is based on data from Stone and others, 1983 and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken 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 Animas River can be shallow, as the Quaternary deposits near the river itself form shallow aquifers. However, the proposed site is situated 1.20 miles to the south-southeast of the Animas River, and is over 150 feet higher in elevation (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. Wells are clustered to the north along the Animas River. Depth to groundwater within the nearby wells ranges from 6 feet to 80 feet below ground surface. The closest well to the proposed site is located approximately 3077 feet to the northwest, and is approximately 90 feet lower in topographic elevation (Google Earth). Depth to groundwater within the well is 40 feet below ground surface.

at 14.55





Lodestar Services, Inc PO Box 4465 Durango, CO 81302	BRUINGTON GAS COM C #1R T30N, R11W, S21D San Juan County, NM	iWaters Groundwater Data Map
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New Mexico Office of the State Engineer POD Reports and Downloads .

Township: 30N Range: 11M Sections:

POD / Surface Data ReportAvg Depth to Water ReportWater Column Report

#### WATER COLUMN REPORT 09/29/2008

	(quarter	s are	5 T=	NW.	2=	R.F	3=SW 4=SE)								
	(quarter						smallest)			Depth	Depth	Water	(in	feet)	
POD Number	Tws	Rng	Sec	q	P	P	Zone	X	Y	Well	Water	Column			
RG 50669	30N	111	27							360	310	50			
SJ 02765	30N	11W	02	1	3					54	20	34			
SJ 00975	30N	11W	02	1	3					6.0	20	40			
SJ 01217	30N	11W	02	1	3					60	30	30			
SJ 02837	301	11W	02	3	4	1				150					
SJ 01437	30N	11W	03	1						40	28	12			
SJ 03121	30N	110	03	1	2	4				3€	12	24			
SJ 02049	30N	111	03	1	3					2€	8	18			
SJ 01339	30N	11W	03	1	3	1				40	15	25			
SJ 02814	30N	11W	03	1	3	2				31	8	23			
SJ 00350	30N	111	03	1	3	2				46	12	.34			
SJ 01441	308	11W	03	1	3	2				48	20	28			
SJ 02835	30N	11W	03	1	3	2				2.€	8	18			
SJ 01387	30N	TIM	03	1	4					40	18	22			
SJ 03698 POD1	30N	110	03	1	4	1				40	5	35			
SJ 02785	30N	110	03	1	4	2				31	5	26			
SJ 01313	30N	11W	03	2						70	58	12			
SJ 01805	30N	119	03	2						35	20	15			
SJ 01807	30N	11W	03	2	1					50	30	20			
SJ 01202	30N	11W	03	2	1	2				35	8	27			
SJ 02781	30N	11W	03	2	L	2				48	23	25			
SJ 03758 POD1	30N	11W	0.3	2	1	2	2681	58	2127473	49	21	28			
SJ 03765 POD1	30N	11W	03	2	1	2	2681	63	2127605	43	20	23			

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

SJ 03756 POD1	30N	110 0:	3 2	1	2		268179	2127870	41	20	
SJ 02786	30N	119 0:		-	1				51	24	
SJ 01901	30N	11W 0:	3 2	3	2				60	26	
SJ 00698	30N	110 0:			3				44	14	
SJ 01261	30N	11W 0:	3 2	3	4					20	
SJ 02930	30N	110 0:	3 2	4	G.				81	64	
SJ 02798	30N	110 0:	3 2	4	4				80	61	
SJ 00402	30N	11W 0:	3 3						32	18	
SJ 01734	30N	110 0	3 3	2					33	5	
SJ 00762	30N	11W 0	3 3	2					47	22	
SJ 01440	30%	11W 0	3 3	2	3				41	21	
SJ 01020	30N	11W 0	3 3	3					27	S	
SJ 03242	30N	119 0	3 3	3	1				23	9	
SJ 03732 POD1	30N	11W 0	3 3	3	1				38	9	
SJ 03239	30N	11W 0	3 3	3	3				33	12	
SJ 01238	30N	11W 0	3 4	1					95	38	
SJ 02245	30N	110 0	3 4	1	3				€€	30	
SJ 01043	30N	110 0			4				50		
SJ 01249	30N	11W 0	34						52	22	
SJ 02563	30N	110 0	3 4	_	1				9€	60	
SJ 02824	301	11W 0			3				70	50	
SJ 03153	SON	21W 0		-	1				80	60	
SJ 03454	SON	11W 0		-	4				100		
SJ 03291	30N	11W 0			-				38	18	
SJ 00366	30N	11W 0			4				33	18	
SJ 01364	30N	11W 0							115	86	
SJ 03076	30N	110 0			3				44	10	
SJ 02903	30%	11W 0							49	31	
SJ 03039	30N	11W 0	4 4	-	2				53	40	
SJ 01450	30N	110 0							45	20	
SJ 02941	30N	21W 0			_				50	37	
SJ 01367	30N	11W 0	4 4	4	2				4.8	20	
SJ 03407	30N	110 0	-	-	-	W	453700	2124100	3.0	S	
SJ 03267	30N	11W 0							83	60	
SJ 03245	30%	11W 0		4	4				80	65	
SJ 02194	30N	11W 0							59	22	
SJ 02140	30N	31W 0		. 1					70	60	
SJ 00689	30N	11W 0			_				78	65	
SJ 00690	30N	11W 0			-				60		
SJ 00882	30N	11W 0	7 ]	. 4	3				€0	50	

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SJ 00889	30N	11W 07	1	4	3			55		
SJ 00806	30N	110 07	1	4	3			38	20	1
SJ 00739	30N	11W 07	1	4	3			70	58	1
SJ 00389	30N	11W 07	1	4	3			53		
5J 00688	30N	110 07	1	4	3			70	58	1
SJ 00358	30N	227 07	1	4	3			61	36	2
SJ 00397	30N	110 07	1	4	3			se	35	2
SJ 00415	30N	110 07	1	4	3			53	40	1
SJ 00387	30N	11W 07	1	4	3					
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SJ 00259	30N	11% 07	2	4				25	12	1
SJ 01492	30N	110 07	3					60	22	3
SJ 03794 POD1	30N	110 07	3	1	3	266272	2119520	44	27	1
SJ 01172	30N	110 07	3	2				50	30	2
SJ 01310	30N	119 07	3	3				80	50	3
SJ 01484	30N	110 07	3	3				63	10	5
SJ 03630	30N	110 07	3	3	3			68	24	4
SJ 01425	30N	110 07	3	4				55	25	3
SJ 01468	30N	110 07	3	4				60	25	3
SJ 02006	30N	118 07	3	4	2			50	24	2
SJ 03484	30N	119 07	3	4	3			75		
SJ 02005	30N	110 07	3	4	4			55	20	3
SJ 02715	30N	11W 07	3	4	4			68	20	4
SJ 00135	30N	110 07	4	1				180	23	15
SJ 00769	30N	110 07	4	1				50	14	3
SJ 01406	30N	11W 07	4	1				45	12	3
SJ 02936	30N	110 07	4	1	3			38	30	
SJ 00679	30N	11W 07	4	1	3			48	22	2
SJ 00620	30N	110 07	-4	1	3			52-	35	1
SJ 00329	30N	11W 07	4	1	3			63	20	4
SJ 00162	30N	119 07	4	1	3			58	23	3
SJ 02906	30N	110 07	4	1	4			45	24	2
SJ 00893	30N	11W 07	4	2				80	40	4
SJ 01667	30N	11W 07	4	3				41	21	2
SJ 01404	30N	11W 07	4	3				40	IS	2
SJ 00919	30%	110 07	4	3	2			35	12	2
SJ 00604	30N	11W 07	4	3	2			38	22	1

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SJ 00601	30N	11W	07	4	3	2		4
SJ 00918	30N	11W		4	3	2		3
SJ 00920	30N	11W	07	4	3	2		3
SJ 01567	30N	11W	07	4	4	2		3
SJ 00183	30N	110	90	1	1		3	36
SJ 03154	30N	111	80	1	1	4		4
SJ 03431	30N	11W	08	1	4			5
SJ 00332	30N	110	08	2	2			5
SJ 01451	30N	119	80	2	2			6
SJ 01968	30N	11W	80	2	2			4
SJ 01999	30N	11W	90	2	2			6
SJ 01814	30N	11W	80	2	2			s
SJ 03398	30N	11W	80	2	2	1		8
SJ 03210	30N	117	30	2	2	2		€
SJ 03098	30N	119	08	2	2	2		6
SJ 03381	30N	119	08	2	2	2		5
SJ 03240	30N	11W	08	2	2	2		5
SJ 00220	30N	119	90	2	2	3		6
SJ 03639	30N	119	08	2	2	4		e
SJ 01115	30N	119	08	2	2	4		3
SJ 03653	30N	11W	80	2	2	4		€
SJ 03646	30N	117	80	2	2	4		6
SJ 00228	30N	119	80	2	2	4		6
SJ 03202	30N	110	80	2	4	2		4
SJ 03030	30N	110	90	2	4	2		5
SJ 03305	30N	11W	08	2	-4	2		5
SJ 03378	30N	110	03	2	4	2		5
SJ 02331	30N	117	8.0	2	4	2		5
SJ 03303	30N	11W	08	2	4	2		5
SJ 02293	30N	11W	80	2	4	2		5
SJ 00249	30N	11W	80	2	4	2		4
SJ 01368	30N	11W	80	3	2			5
SJ 03089	30N	110	60	3	2	4		4
SJ 03480	30N	111	08	3	2	4		5
SJ 03199	30N	110	60	3	4	1		4
SJ 02413	30N	110	80	3	4	<u>1</u>		4
SJ 02915	30N	11W	03	3	4	<u>1</u>		4
SJ 03367	30N	119		3	4	4		2
SJ 01570	30N	11W	80	4	1			5
SJ 00925	30N	11W	08	4	1	2		3

40	22	18	
35	14	21	
35	12	23	
35	14	21	
360	300	60	
40			
50			
52	34	18	
64	34	30	
40	25	15	
61	45	16	
52	10	42	
8.0	20	60	
60	30	30	
63	23	40	
50			
50			
60	36	24	
60	24	36	
35	26	9	
62	26	36	
61	24	37	
67	38	29	
45			
56	4.0	16	
50			
50			
53	35	18	
55	30	25	
50	35	15	
46	30	16	
59	39	20	
48	36	12	
50			
40	20	20	
40	31	9	
45			
29	5	24	
59	37	22	
32	20	12	

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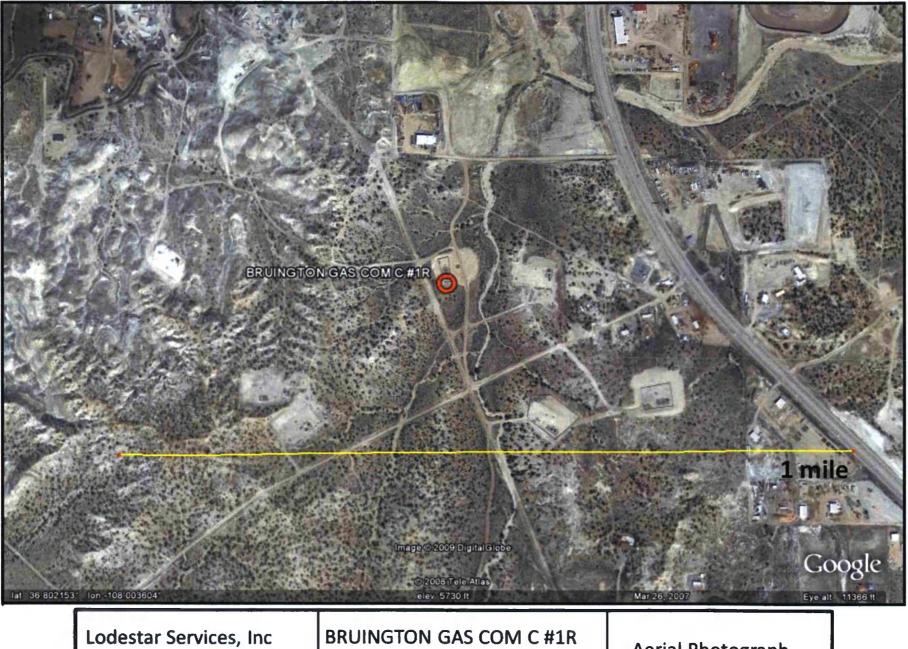
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SJ 02485	30N	11W	08	4	1	4	49
SJ 02261	30N	111	Ô8	4	3	2	
SJ 03419	30N	110	80	4	4	2	41
SJ 02241	30N	11W	09	1			39
SJ 01560	30N	11W	09	1	1		36
SJ 01585	30N	11W	09	1	1		4.0
SJ 03499	30N	119	09	1	1	1	53
SJ 02236	30N	111	09	1	1	3	35
SJ 03304	30N	11W	09	1	1	2	55
SJ 03209	30N	11W	09	1	1	3	49
SJ 03726 POD1	30N	111	09	1	1	3	47
SJ 03342	30N	11W	0.9	1	1	3	50
SJ 03225	30N	11W	09	1	1	4	50
SJ 03229	30N	11W	09	1	1	4	50
SJ 00924	30N	11W	09	1	2	2	46
SJ 00438	30N	11W	09	1	2	3	29
SJ 01169	30N	11W	09	1	3		5€
SJ 01574	30N	11W	09	1	3		46
SJ 02237	30N	11W	09	1	3	1	48
SJ 03019	3 ON	11W	09	1	3	1	50
SJ 02493	30N	11W	09	1	3	1	49
SJ 03724 POD1	30N	11W	09	1	3	1	47
SJ 03031	30N	11W	<u>09</u>	1	3	1	55
SJ 01465	30N	11W	Q9	1	3	2	47
SJ 02336	30N	JIM		1	3	2	46
SJ 03482	30N	11W	<u>09</u>	1	3	2	50
SJ 03423	30N	liw	09	1	3	3	50
SJ 00750	30N	11W	09	1	4		26
SJ 02975	301	11W		2	1	4	37
SJ 03268	30N	11W	09	2	2	2	61
SJ 00364	30%	31W	09	2	3	2	50
SJ 03128	30N	11W	09	2	3	2	50
SJ 00364 CLW263561	30N	JIW	09	2	3	2	33
SJ 01955	30N	11W		2	4		40
SJ 02528	30N	11W		2	4		60
SJ 02290	30N	110		2	4	2	45
SJ 00347	30N	11W	09	4			3€

58 58	32 18	26 40
58	20	38
49	30	19
41	9	32
39	27	12
3€	26	10
4.0	28	12
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35	17	18
55	30	25
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47	30	17
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4€	16	30
29	19	10
S€	33	23
4€	27	19
48	28	20
50	30	20
49	2€	23
47	36	11
55	35	20
47		
4€	11	35
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50	20	30
26	6	.20
37	12	25
61	10	51
50	20	30
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33	11	22
40	11	29
60	28	32
45	15	.30
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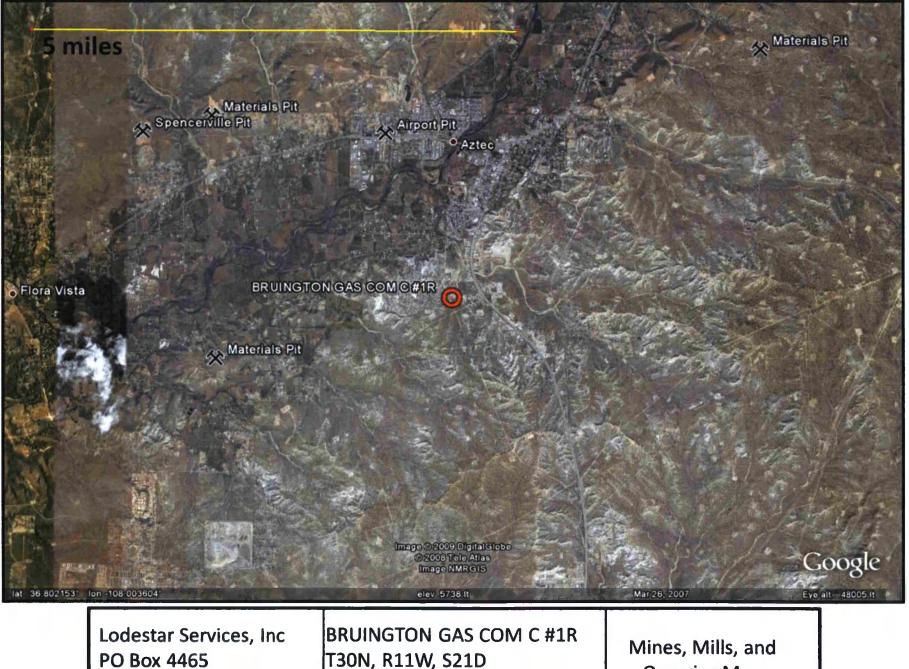
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J 01436	30N	11W 09	4	1				210	50	160
J 03471	30N	11W 09	4	1	1			20	5	1.5
J 03223	30N	11W 09	4	2	2			59	25	34
J 03263	30N	11W 09	4	2	2			€3	35	28
J 03374	30N	110 09	4	3	1			44	29	15
J 02796	30N	110 09	4	3	2			100		
J 03214	3027	110 09	41	4	2			93	63	30
J 03213	30N	11W 09	4	4	ź			100		
J 02176	3 0 2 7	11W 10	1	3				37	37	20
J 03356	303	110 10	1	3	1			55	30	2.5
J 03258	3 ON	11W 10	1	3	3			55	10	4.5
J 03444	30%	117 10	1	3	3			60		
J 03249	30N	11W 10	1	3	3			90	30	60
J 03354	30N	11W 10	1	3	3			8.0	30	50
J 00348	30N	11W 10	1	3	4			72	2.4	48
J 03032	30N	110 10	1	4	1			80	30	50
J 02819	30N	11W 10	2	3	3			140	40	100
J 03282	30N	110 10	2	3	4			70	30	40
J 03281	30N	11W 10	2	3	4			62	32	30
J 03572	301	110 10	3	1	2			70		
J 03218	30N	110 10	3	3	3			50	30	20
J 01720	SON	11W 13						225	50	138
J 03745 POD1	30N	117/13	1		2			325	150	175
J 01693	30N	11W 13	1	3				225	.8.9	136
J 01672	30N	11W 13	1	3				180	80	100
J 01294	30N	JIM 13	1	3	3			92	52	40
J 02773	30N	110 16	1	1	3			4€	2.5	21
J 00410	30N	110 16	1	2				61	45	16
J 03010	30N	11W 16	1	3	1			80	40	40
J 03257	30N	11W 16	1	3	3			80	4.0	4.0
J 02923	30N	11W 16	1	3	3		,	75	4.0	38
J 03265	30N	110 16	1	3	3			90	70	20
J 03310	30N	11W 16	1	3	3			55	20	35
J 01082	30N	110 16	- 2	2	<u>1</u>			8.0	34	46
J 01722	301	11W 17	1					20	8	12
J 01528	30N	110 17	1	1				26	LO	16
J 03373	302	117 17	l	1	3			50	35	15
J 01948	30N	117 17	l	2				21	3	18
J 02817	30N	11W 17	1	2	2			15		
5J 01722 POD2	30N	117 17	1	2	4	266967	21164)	17 17	3	14

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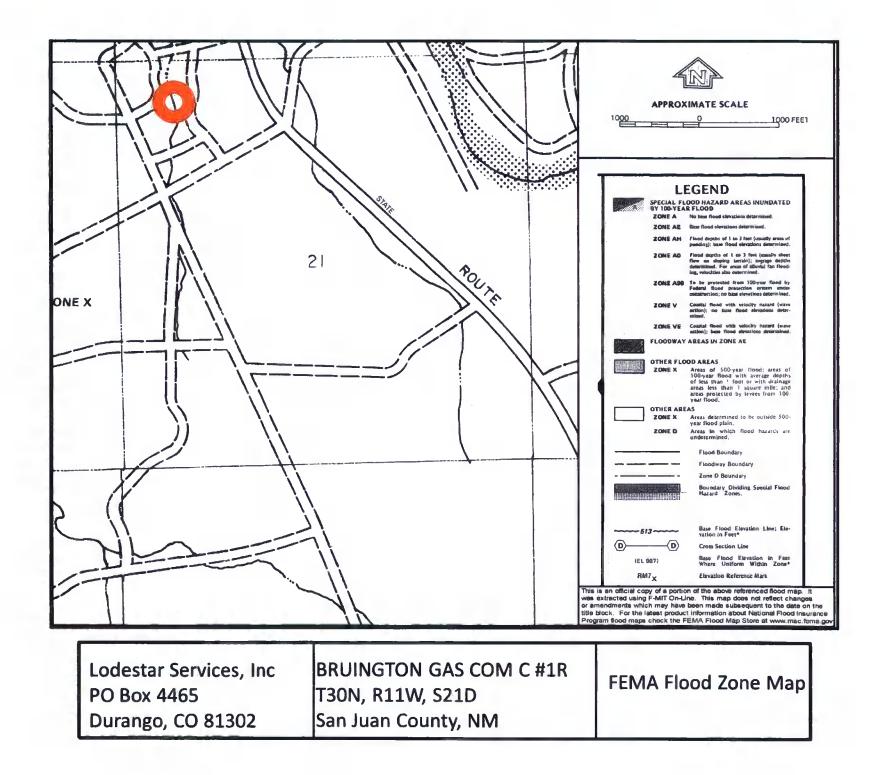
Lodestar Services, Inc	BRUINGTON GAS COM C #1R	Acrial Dhotograph
PO Box 4465	T30N, R11W, S21D	Aerial Photograph
Durango, CO 81302	San Juan County, NM	



T30N, R11W, S21D San Juan County, NM

Durango, CO 81302

**Quarries Map** 



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

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

### **General Plan**

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

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

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

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

# 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**

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- 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.
  - 4. XTO will inspect the below-grade tank monthly and maintain written records for five years. Monthly inspections will consist of documenting the following: (see attached template),
    - Well Name API # Sec., Twn., Rng. XTO Inspector's name Inspection date and time Visible tears in liner Visible signs of tank overflow Collection of surface run on Visible layer of oil Visible signs of tank leak Estimated freeboard
- 5. XTO will maintain adequate freeboard to prevent over topping of the below-grade tank. High level shut-off devices control the freeboard at an average of 28" beneath the top of the tank.
- 6. XTO will not discharge into or store any hazardous waste in any below-grade tank.
- 7. If a below-grade tank develops a leak, or if any penetration of a below-grade tank occurs below the liquids surface, XTO will remove all liquids above the damage or leak line within 48 hours,

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

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

MONTHLY BELOW GRADE TANK INSPECTION FORM									
Well Nan	ne:				API No.:				
Legals	Sec:		Township:		Range:				
XTO Inspector's Name	Inspection Date	Inspection Time	Any visible liner tears (Y/N)	Any visible signs of tank overflows (Y/N)	Collection of surface run on (Y/N)	Visible layer	Any visible signs of a tank leak (Y/N)	Freeboard Est. (ft)	
Notes:	Provide De	tailed Descri	ption:						
Misc:									
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### XTO Energy Inc. San Juan Basin (Northwest New Mexico) General Closure Plan For Below-Grade Tanks

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

#### **General Plan**

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

Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B

Soil contaminated by exempt petroleum hydrocarbons Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes

Basin Disposal Permit No. NM01-005 Produced water

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

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

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

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

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

- 11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. Soil cover will be constructed to the site's existing grade and ponding of water and erosion of the cover material will be prevented with drainage control, natural drainages and silt traps where needed.
- 13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other divisionapproved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

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- 14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
  - i. Proof of closure notice to division and surface owner;
  - ii. Details on capping and covering, where applicable;
  - iii. Inspection reports;
  - iv. Confirmation sampling analytical results;
  - v. Disposal facility name(s) and permit number(s);
  - vi. Soil backfilling and cover installation;
  - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable);
  - viii. Photo documentation of the site reclamation.