Form 3 50-3				
runn 3 Tou-5	UNITED STATES		1	FORM APPROVED
(Ap <b>C</b> ! 2004)	DEPARTMENT OF THE INTE	ERIOR		OMB NO. 1004-0137
,	BUREAU OF LAND MANAGE	EMENT		Expires March 31, 2007
e, A.			5. Lease Seria	al No.
APP	LICATION FOR PERMIT TO DRI	LL OR REENTER	BIA 142	2060462
1a. Type of Work	<b>DRILL</b> REEN	TER	6. If Indian, A	Allotee or Tribe Name
11 T	— —			NIAIN UTE
ib. Type of Well Oil	Well 🔀 Gas Well 🗌 Other	Single Zone 🔲 Multiple Zon	° I .	Agreement Name and No.
2. Name of Operator	· · · · · · · · · · · · · · · · · · ·		<u>N/A</u>	e and Well No.
XTO Energy Inc.				DIANS A #46
3a. Address		3b. Phone No. (include area co	de) 9. API Well N	
2700 Farmington Ave	., Bldg. K. Ste 1 Farmingto	m, № 505-324-1090	30-045-	- 34327
	cation clearly and in accordance with any	State equirements)*		ool, or Exploratory
At surface 1085' FSI	.x 980' FWL		the second se	E PARADOK
At proposed prod. zone	(1) (1)			., M., or Blk. and Survey or Area
	SAME			2, 131N, R14W
	on from nearest town or post office*	· · · · · · · · · · · · · · · · · · ·	12. County or 1	
	<u>KIMATELY 5 MILES NORTHWEST (</u>	1	SAN JUAN	<u>NM</u>
15. Distance from proposed* location to nearest		16. No. of Acres in lease	17. Spacing Unit dedi	
property or lease line, ft.	.9801	4251.9	1	RCVD MAY24'07
(Also to nearest drg. unit lin	ne, if any)	4251.3		
18. Distance from proposed loc		19. Proposed Depth	20. BLM/BIA Bond	
to nearest well, drilling, con applied for, on this lease, fl.	• •		1	DIST. 3
	736'	8254 '	u n	71B000138
21. Elevations (Show whether D	pproval of this agreement do	Approximate date work will sta	rt* 23. Estima	ated duration
5854' GROUND ELL	artific or certify that the ope	rator FAIL 2007	1	2 WEEKS
	warrant and other holders of 0	)Delainia		
l	ights hold legal or equitable	tille Attachments	Venting / Fla	ring approved for 30 days
The following completed in col	a through onte in the Subilities	Order No. 1 shall be attached	to this form	
	which are committed hereio.	✓ I		
1. Well plat certified by a regi				
0 4 Th (11' Th	stered surveyor.	4. Bond to cover the operation	ions unless covered by	an existing bond on file (see
2. A Dinning Fian		itent 20 above).	ions unless covered by	an existing bond on file (see
<ol> <li>A Surface Use Plan (if the i</li> </ol>	ocation is on National Forest System Lands	s, the 5. Operator certification.		an existing bond on file (see s as may be required by the
<ol> <li>A Surface Use Plan (if the i</li> </ol>		s, the 5. Operator certification.		
<ol> <li>A Draing Fail</li> <li>A Surface Use Plan (if the l SUPO shall be filed with th</li> </ol>	ocation is on National Forest System Lands	s, the 5. Operator certification. 6. Such other site specific in authorized officer.		
<ol> <li>A Drhung ran</li> <li>A Surface Use Plan (if the i SUPO shall be filed with th</li> <li>Signuature</li> </ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the 5. Operator certification. 6. Such other site specific in authorized officer. Name (Printed/Typed)		s as may be required by the Date
<ol> <li>A Drining Fail</li> <li>A Surface Use Plan (if the l SUPO shall be filed with th</li> <li>Signuature</li> </ol>	ocation is on National Forest System Lands	s, the 5. Operator certification. 6. Such other site specific in authorized officer.	formation and/or plans	s as may be required by the Date 04/03/07
<ol> <li>A Surface Use Plan (if the is SUPO shall be filed with the supervision of th</li></ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the 5. Operator certification. 6. Such other site specific in authorized officer. Name (Printed/Typed)	formation and/or plans	s as may be required by the Date 04/03/07
<ol> <li>A Drhung ran</li> <li>A Surface Use Plan (if the is SUPO shall be filed with the supervision of the supervisio</li></ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the 5. Operator certification. 6. Such other site specific in authorized officer. Name (Printed/Typed) Kyla Vaughan	formation and/or plans	s as may be required by the Date 04/03/07 DVED FOR A PERIOD
<ol> <li>A Drining ran</li> <li>A Surface Use Plan (if the is SUPO shall be filed with the supervision of the supervisi</li></ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the 5. Operator certification. 6. Such other site specific in authorized officer. Name (Printed/Typed) Kyla Vaughan	formation and/or plans APPR( NOT T	s as may be required by the Date 04/03/07 OVED FOR A PERIOD OJEXCEED 2 YEARS
<ol> <li>A Drining ran</li> <li>A Surface Use Plan (if the is SUPO shall be filed with the supervision of the supervisi</li></ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the 5. Operator certification. 6. Such other site specific in authorized officer. Name (Printed/Typed) Kyla Vaughan	formation and/or plans APPR( NOT T	s as may be required by the Date 04/03/07 DVED FOR A PERIOD
<ol> <li>A Drining ran</li> <li>A Surface Use Plan (if the l SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Coupli</li> <li>Approved by (Signautre)</li> <li>Robust J.</li> </ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the     5. Operator certification.       6. Such other site specific in authorized officer.       Name (Printed/Typed)       Kyla Vaughan	formation and/or plans APPR( NOT T er	Date 04/03/07 DVED FOR A PERIOD DEXCEED 2 YEARS S 12212007
<ol> <li>A Drining Fail</li> <li>A Surface Use Plan (if the is SUPO shall be filed with the supervision of the supervis</li></ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the     S. Operator certification.       S. Operator certification.     G. Such other site specific in authorized officer.       Name (Printed/Typed)     Ryla Vaughan       Name (Printed/Typed)     Robert L. Sieg-       Office     R (L.)	formation and/or plans APPR( NOT T er	Date 04/03/07 DVED FOR A PERIOD DEXCEED 2 YEARS S 12212007
<ul> <li>A Driving ran</li> <li>A Surface Use Plan (if the is SUPO shall be filed with the supervision of the supervisi</li></ul>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the     5. Operator certification.       6. Such other site specific in authorized officer.       Name (Printed/Typed)       Kyla Vaughan         Name (Printed/Typed)       Robert L. Sieg.       Office       Sar Juar Public       Itaga pe aquitable title to those rights in	formation and/or plans APPR( NOTT er Lands Cer	s as may be required by the Date 04/03/07 OVED FOR A PERIOD ODEXCEED 2 YEARS S 12212007 offer
<ol> <li>A Driving ran</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Compli</li> <li>Approved by (Signautre)</li> <li>Robust J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> </ol>	ance Tech Start Service Office). Start Service Offic	s, the     5. Operator certification.       6. Such other site specific in authorized officer.       Name (Printed/Typed)       Kyla Vaughan       Name (Printed/Typed)       Robert L. Sieg.       Office       San Juan Public       Island Tuan State       SEE ATTACHE	formation and/or plans APPR( NOTT er Lands Ce, the outjoot learn whice	s as may be required by the Date 04/03/07 OVED FOR A PERIOD ODEXCEED 2 YEARS S 12212007 offer
<ul> <li>A Driving Fain</li> <li>A Surface Use Plan (if the is SUPO shall be filed with the supervision of the supervis</li></ul>	ance Tech Start Service Office). Start Service Offic	s, the     5. Operator certification.       6. Such other site specific in authorized officer.       Name (Printed/Typed)       Kyla Vaughan         Name (Printed/Typed)       Robert L. Sieg.       Office       Sar Juar Public       Itaga pe aquitable title to those rights in	formation and/or plans APPR( NOTT er Lands Ce, the outjoot learn whice	s as may be required by the Date 04/03/07 OVED FOR A PERIOD ODEXCEED 2 YEARS S 12212007 offer
<ol> <li>A Diffung Fan</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Compli</li> <li>Approved by (Signautre)</li> <li>Robust J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 ar</li> </ol>	iocation is on National Forest System Lands e appropriate Forest Service Office).	Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)         Ryla Vaughan         Name (Printed/Typed)         Ryla Vaughan         Name (Printed/Typed)         Ryla Vaughan         Seer + L. Sieg-         Office         San Juan Public         Item to any person knowingly and willful to the person knowingly and will to the person knowingly and wil	formation and/or plans APPR( NOT T er Lands Cer be outjoet team PROVAL	s as may be required by the Date 04/03/07 OVED FOR A PERIOD ODEXCEED 2 YEARS S 12212007 offer the would entitle the applicant to
<ol> <li>A Diffung Fan</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Compli</li> <li>Approved by (Signautre)</li> <li>Robust J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 ar</li> </ol>	location is on National Forest System Lands e appropriate Forest Service Office).	Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)         Ryla Vaughan         Name (Printed/Typed)         Ryla Vaughan         Name (Printed/Typed)         Ryla Vaughan         Seer + L. Sieg-         Office         San Juan Public         Item to any person knowingly and willful to the person knowingly and will to the person knowingly and wil	formation and/or plans APPR( NOT T er Lands Cer be outjoet team PROVAL	s as may be required by the Date 04/03/07 DVED FOR A PERIOD DEXCEED 2 YEARS S 12212007 n fer the would entitle the applicant to
<ol> <li>A Drining ran</li> <li>A Surface Use Plan (if the l SUPO shall be filed with th</li> <li>25. Signustrue</li> <li>Title</li> <li>Regulatory Completion</li> <li>Approved by (Signautre)</li> <li>Result J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> </ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriation of the title to those rights in the title to the	formation and/or plans APPR( NOT T er Lands Cer he cubject learn whic ED PROVAL	s as may be required by the Date 04/03/07 OVED FOR A PERIOD ODEXCEED 2 YEARS S 12212007 offer the would entitle the applicant to
<ol> <li>A Drining ran</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Coupl i</li> <li>Approved by (Signautre)</li> <li>Result J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 ar</li> </ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 OVED FOR A PERIOD ODEXCEED 2 YEARS S 12212007 offer the would entitle the applicant to
<ol> <li>A Drining ran</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Completion</li> <li>Approved by (Signautre)</li> <li>Rescuent J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any fake, fictitious or fra</li> </ol>	location is on National Forest System Lands e appropriate Forest Service Office).	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 OVED FOR A PERIOD ODEXCEED 2 YEARS S 12212007 offer the would entitle the applicant to
<ol> <li>A Diffung Fail</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture Title</li> <li>Regulatory Compliant Approved by (Signautre) Robust J.</li> <li>Title Acting Physica (Resourd Application approval does not conduct operations thereon. Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> <li>*(Instructions on page 2)</li> </ol>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office).	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriation of the title to those rights in the title to the	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 OVED FOR A PERIOD OVED FOR A PERIOD OVED 2 YEARS S 12212007 A fer the would entitle the applicant to partment or agency of the United
<ol> <li>A Diffung Fail</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture Title</li> <li>Regulatory Compliant Approved by (Signautre) Robust J.</li> <li>Title Acting Physica (Resourd Application approval does not conduct operations thereon. Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> <li>*(Instructions on page 2)</li> </ol>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office).	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 OVED FOR A PERIOD OVED FOR A PERIOD OVED 2 YEARS S 12212007 A fer the would entitle the applicant to partment or agency of the United
<ol> <li>A Diffung Fam</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Completion</li> <li>Approved by (Signature)</li> <li>Reduct J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> </ol>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office).	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 DVED FOR A PERIOD DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRI
<ul> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Compliant</li> <li>Approved by (Signautre)</li> <li>Robust J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> <li>*(Instructions on page 2)</li> </ul>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office). When ance Tech Sector Tech Sector Assistant Genter Man warrant or certify that the applicant holds and Title 43 U.S.C. Section 1212, make it a c udulent statements or representations as to NOTIFY A PRIOR TO	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 DVED FOR A PERIOD DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRI
<ol> <li>A Driving ran</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture Title</li> <li>Regulatory Compliant Approved by (Signautre) Rout J.</li> <li>Title Acting Physica (Resourd Application approval does not conduct operations thereon. Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any fake, fictitious or fra</li> <li>*(Instructions on page 2)</li> </ol>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office). When ance Tech Sector Tech Sector Assistant Genter Man warrant or certify that the applicant holds and Title 43 U.S.C. Section 1212, make it a c udulent statements or representations as to NOTIFY A PRIOR TO	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 DVED FOR A PERIOD DEXCEED 2 YEARS S 12212007 n fer the would entitle the applicant to
<ul> <li>A Driving ran</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Completion</li> <li>Approved by (Signautre)</li> <li>Result J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> <li>*(Instructions on page 2)</li> </ul>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office). Ance Tech Sector Tech Sector Sector Tech Center Man warrant or certify that the applicant holds are attached. I Title 43 U.S.C. Section 1212, make it a c udulent statements or representations as to NOTIFY A PRIOR TO 2007	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 DVED FOR A PERIOD DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRI
<ul> <li>A Diffung Fam</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Completion</li> <li>Approved by (Signautre)</li> <li>Result J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> <li>*(Instructions on page 2)</li> </ul>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office). Advantage Tech Sector Tech Sector Sector Tech Center Man warrant or certify that the applicant holds are attached. If Title 43 U.S.C. Section 1212, make it a c udulent statements or representations as to NOTIFY A PRIOR TO 2007 anagement	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 DVED FOR A PERIOD DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRIPTION DESCRI
<ul> <li>A Driving Fain</li> <li>A Surface Use Plan (if the I SUPO shall be filed with th</li> <li>25. Signulture</li> <li>Title</li> <li>Regulatory Completion</li> <li>Approved by (Signautre)</li> <li>Result J.</li> <li>Title Acting</li> <li>Physica (Resourd</li> <li>Application approval does not conduct operations thereon.</li> <li>Conditions of approval, if any, a</li> <li>Title 18 U.S.C. Section 1001 at States any false, fictitious or fra</li> <li>*(Instructions on page 2)</li> </ul>	ance Tech Section is on National Forest System Lands e appropriate Forest Service Office). Advantage Tech Sector Tech Sector Sector Tech Center Man warrant or certify that the applicant holds are attached. If Title 43 U.S.C. Section 1212, make it a c udulent statements or representations as to NOTIFY A PRIOR TO 2007 anagement	s, the       S. Operator certification.         S. Operator certification.       6. Such other site specific in authorized officer.         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Name (Printed/Typed)       Ryla Vaughan         Office       Sar Juar Public         Itegal propriately title to those rights in SEE ATTACHE         CONDITIONS OF AP         String for any person knowingly and willing any matter within its jurisdiction.         AZTEC OCD 24 H	formation and/or plans APPR( NOT T er Lands Cer Internals Cer PROVAL Ity to make to any dep RS.	s as may be required by the Date 04/03/07 OVED FOR A PERIOD OVED FOR A PERIOD OVED 2 YEARS S 12212007 A fer the would entitle the applicant to partment or agency of the United

OISTRICT | 1625 H. Frunch Dr., Hobba, H.M. 88240

.

**1**/ -

۲.

€.

OISTRACT # 1301 W. Grand Ave., Arbeck, N.M. 88210

DISTRICT W 1000 Rio Brazos Rd., Aztoc, N.M. 87410

DISTRICT IV 1220 South St. Francis Dr., Santa Fe, MM 87505 State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-102 Revised June 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

			<u> </u>	VELL LO		N AND AC	REAGE DEDI	CATION PL	.AT		
	30-0	1 Humber	327	2	'፣። ነው ፲ ( ۵(	> 1	Ite Dom		ndr	X	
ľ	20-045-34327 86760 Ute Dome Paradox "Property Code"								ef Hember		
	224					UTE INDIA					46
	10080 N					ACperator 1 XTO ENERG					Devotion 5854
L	0.00	<u> </u>	<u> </u>	. <b>.</b>	<u> </u>	** Surface			<u> </u>	L	· · · · · · · · · · · · · · · · · · ·
ſ	UL or lot no.	Section	Tewaship	Range	Lot Ide	Feel from the	North/South line	Feat from the	East/Ne	st liver	County
l	<u> </u>	2	31-N	14-W	L	1085	SOUTH	980	WE	ST	SAN JUAN
r					om Hole		Different From				·····
	UL or let no.	Section	Tounship	Range	Lot Ids	Fast from the	North/South line	Feel from the	Eost/We		MAY24'07
ł	Dedicated Acre	¥		eint ar Infill	L	<sup>14</sup> Canadidation Co	de	**Criter No.	1		CONS. DIV.
	640	.48									DIST. 3
							IN UNTIL ALL I			EN CON	SOLIDATED
1	+		ORAN	ION-STA		UNIT HAS B	EEN APPROVEL	BY THE DIV	ISION		
⊁	( • •	1	1 1	1			$X \rightarrow X \uparrow$	10 0	PERAT	or cer	RTIFICATION
#								i turnity curling / train and compi	that the into We to the be	enotion contr at all wy hop	daed haven in deeps and bellet
	LOT	4	LOT	. 3		LOT 2	LOT	- 1			
$\ $											
╢╴			<u></u>	······	1		<u> </u>	$\neg$	,	n	
ॏ								Kell	uh	šmu	1
					1			- Collin	15m	n	
ॏ								Printed Mar	Malar	. 400	ADAL MD
11 1	TR. CORNER 10 3 1/4" AC								<u>urury</u>		n Phang
	965 BLM				2				26	• • • • • • • • • • • • • • • • • • • •	·•••••••••••••••••••••••••••••••••••••
								18 SU	RVEYO	R CERT	<b>IFICATION</b>
	3							) harshy curtil	y that the s statistic note	nell Japosition Is of excludi	ahann an this pict Mi'nya mada by ma
	2640.1		LAT: 36.9	2567' N.	(NAD 8	3)			apersisten, a	and that the	tome is true and
	2		LONG: 10	2.4" N. (N	AD 27)	83)					(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
			LONC: 108*17	7'00.4" W. (	(HAD 27)						<u> </u>
╨	980'							JT7		SEL	T
		10							a Tes	n) +	
$\mathbf{L}$		1085			1			13	2-7-	16/	<b>F/</b>
	EC. CONNER				QTR. CO	RMER			mota	San No	/
F	0 3 1/4" AC		S 89-54 2640.7		1965 80	4" AC	1 1	Curtificate H			
Ô.		<u> </u>		1	•						

Submit 3 Copies To Appropriate District	State of Nev	v Mexico		Form C-103
Office District I	Energy, Minerals and N	Natural Resources		May 27, 2004
1625 N. French Dr., Hobbs, NM 87240 District II	OR CONSERVAT		WELL API NO. 30-045-	34327
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT 1220 South St		5. Indicate Type of Le	
District III 1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, N		STATE	FEE
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		<b>NA 07505</b>	6. State Oil & Gas Lea	ase No.
			BIA 142060462	A NI
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC (PROPOSALS.)		PEN OR PLUG BACK TO A	7. Lease Name or Unit UTE INDIANS A	Agreement Name:
1. Type of Well:			8. Well Number	
Oil Well Gas Well X	Other		#46	
2. Name of Operator			9. OGRID Number	
3. Address of Operator	<u> </u>		10. Pool name or Wild	loat
2700 Farmington Ave., Bld	n K Stell Ferminator	NM 87401	UTE DOME PARADOX	
4. Well Location	<u>I. N. SUE I FRANKLINGUA</u>		ULL LAND FRANK	
	1005			
Unit Letter <u>M</u> :	1085 feet from the	SOUTH line and	980 feet from th	e WEST line
Section 2	Township 31N			ounty SAN JUAN
na mana shika yaqar ta'anga kuru Mana shika na shika shika shika ta'	11. Elevation (Show whe 5854'	GROUND ELEVATION	2(C.)	
Pit or Below-grade Tank Application	or Closure			
Pit type Depth to Groundwater		t fresh water well <u>&gt;1000</u> D	istance from nearest surface w	ater <250
Pit Liner Thickness: <u>12</u> mil		lumebbls; Construct		
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	•	·
	Appropriate Box to Indi		· • ·	
NOTICE OF INTI			BSEQUENT REPO	· · ·
PERFORM REMEDIAL WORK	PLUG AND ABANDON			LTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS		LING OPNS.	
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST AND CEMENT JOB		
OTHER: PIT	۵	OTHER:	×	
<ol> <li>Describe proposed or completed of starting any proposed work). or recompletion.</li> </ol>		-	-	5
XIO Energy plans to inst	all a lined pit on loc	ation for drilling.		
I hereby certify that the information a				
grade tank has been/will be constituted or o	closed according to NMOCD guid			
SIGNATURE TYCA VULL			<u>Compliance Tech</u> DA yla vaughanêxtoenergy	
Type or print name Ryla Vaughan	$\gamma$ .	- men wettynt. A		ic No. 505-564-6726
Englished Har Only				
For State Use Univ	-12 11	OCDUTY ON & CA	s inspector. Dist. &	<b>11</b> a
For State Use Only APPROVED BY	the	DEPUTY OIL & GA	s inspector, dist. 🖧 Dat	т <u>е JUN 0 8 2007</u>

APPROVED BY\_\_\_\_\_\_ Conditions of Approval, if any:

EXHIBIT

ł

ŧ :

.



EXHIRIT E

## XTO ENERGY INC. Ute Indians A #46 APD Data April 3, 2007

Location: <u>1085' FSL x 980' FWL Sec 2, T31N, R14W</u>

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: <u>8254'</u> APPROX GR ELEV: <u>5854'</u> OBJECTIVE: <u>Ute Dome Paradox</u> Est KB ELEV: <u>5872' (12' AGL)</u>

## 1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 8254'
HOLE SIZE	12.25"	8.75"	8.75"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND / Gel Chemical
WEIGHT	8.6-9.0	8.4-8.8	8.6- 9.20
VISCOSITY	28-32	28-32	45-60
WATER LOSS	NC	NC	8-10

<u>Remarks:</u> Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes.

## 2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at  $\pm 360$ " in a 12-1/4" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-360'	360'	36.0#	J-55	ST&C	<u>202</u> 0	3520	394	8.921	8.765	11.73	20.44	30.40

Production Casing:	5.5" casing to be set a	t TD (±8254') in 8.75	" hole filled with	9.20 ppg mud.

					Coll Rating	Burst Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-8254	8254'	17.0#	L-80	LT&C	6280	7740	348	4.892	4.767	<u>1</u> .59	1.96	2.48

## 3. WELLHEAD:

A. Casing Head: C-22, 11" 3,000 psi WP, 9-5/8" 8-rnd with 2 2" line pipe outlets.

B. Tubing Head: TCM 11" 3,000 psi WP by 7-1/16" 3,000 psi WP with two 2-1/16" 5,000 studded side outlets, with 9" BG Bottom Viton Seal. (Casing spool, if needed, C-22 11" 3,000 psi WP by 11" 3,000 psi WP, 18" tall.)

# 4. <u>CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):</u>

A. <u>Surface:</u> 9.625", 36.0#, J-55, ST&C casing to be set at  $\pm$  360' in 12-1/4" hole.

162 sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft<sup>3</sup>/sk, & 6.70 gal wtr/sk.

## Total slurry volume is 225 ft<sup>3</sup>, 100% excess of calculated annular volume to 360'.

B. <u>Production:</u> 5.5", 17.0#, L-80, LT&C casing to be set at ±8254' in 8.75" hole. DV Tool set @  $\pm 4330'$ 

1<sup>st</sup> Stage

## LEAD:

 $\pm$ 575 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft<sup>3</sup>/sk, 10.55 gal wtr/sx.

## TAIL:

150 sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

## 2<sup>nd</sup> Stage

## LEAD:

 $\pm$ 551 sx of Type III or equivalent cement with 8% gel & LCM mixed at 11.9 ppg, 2.54 ft<sup>3</sup>/sk, 15.00 gal wtr/sx.

## TAIL:

100 sx Type III neat mixed at 14.5 ppg, 1.39 cuft/sx, 6.3 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 2927  $ft^3$ .

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 40%. It will be attempted to circulate cement to the surface.

## 5. LOGGING PROGRAM:

A. Mud Logger: The mud logger will come on at 2,900' and will remain on the hole until TD. The mud will be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8254') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8254') to 3,000'.



## 6. FORMATION TOPS:

FORMATION	Sub-Sea Elev.	WELL DEPTH	FORMATION	Sub-Sea Elev.	WELL DEPTH
Gallup SS	4432	1,434	Chinle Fmtn	2187	3,679
Greenhorn LS	3990	1,876	Shinarump Congl.	1527	4,339
Graneros Shale	3932	1,934	Moenkopi Fmtn	1441	4,425
Dakota SS	3822	2,044	Cutler Group	1133	4,733
Burro Canyon SS	3640	2,226	Hermosa Group	-622	6,488
Morrison Fmtn	3640	2,226	Paradox Fmtn	-1460	7,326
Bluff SS	2930	2,936	Ismay Member*	-1460	7,326
Summerville Fmtn	2570	3,296	Desert Creek *	-1644	7,510
Todilto LS	2675	3,191	Akah *	-1771	7,637
Entrada SS	2665	3,201	Barker Creek*	-1963	7,829
Carmel Fmtn	2355	3,511	Alkali Gulch	-2188	8,054
Wingate SS	2285	3,581	Total Depth	-2388	8,254

Est. KB Elevation: 5872'

\* Primary Objective \*\* Secondary Objective

\*\*\*\* Maximum anticipated BHP should be <5,000 psig ( <0.50 psi/ft) \*\*\*\*\*

## 7. ANTICIPATED OIL, GAS, & WATER ZONES:

- A. Oil & Gas Zones are anticipated at 2044'-2936' & 7326'-8254'.
- B. No Appreciable Water Zones are anticipated.
- C. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.
- D. Once the Morrison is drilled the well will be treated as a potential source of  $H_2S$ .

## 8. <u>COMPANY PERSONNEL:</u>

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Jerry Lacy	Drilling Superintendent	505-566-7917	505-320-6543
John Klutsch	Project Geologist	817-885-2800	

# EXHIBIT F

## **XTO Energy**

3M BOP Stack

11/8/2006



# EXHIBIT F

## XTO Energy 3M Choke 11/9/2006 Manifold



.

# EXHIBIT $\mathbf{F}$

# H2S Contingency Plan (Emergency Response and Public Protection Plan) Drilling Operations

## **XTO Energy Inc.**

## Ute Indians A # 46 San Juan Basin Operations

PREPARED BY: Jeff Clement

Office: 505) 324-1090 Cell: 505) 215-0533

## H2S Contingency Plan

Company Name: Address: Phone:

Well Name: TD: Location:

,

XTO Energy, Inc. 2700 Farmington Avenue, Farmington, NM 87401 (505) 324-1090

Ute Indians A # 46 1085 FSL 980 FWL Varied Geological Tops Sec.2-T 31N R 14W NMPM San Juan Co. New Mexico Lat:36.92567' N Long: 108.28408'W (NAD 83)

API # BIA Formation Geological Tops 30-045-14-20-604-62 Paradox To be determined by data obtained during operations



## **Contact Personnel**

.

XTO Energy Drilling Manager Brent Martin Office: (505) 324-1090 Cell: (505) 320-4074

XTO Energy Drilling Engineer John Egelston Office: (505) 324-1090 Cell: (505) 330-6902

XTO Energy Drilling Superintendent Jerry Lacy Office (505) 324-1090 Cell (505) 320-6543

> XTO Energy Field Foremen Dennis Elrod Office: (505) 324-1090 Cell: (505) 486-6460

XTO Energy Health & Safety Supervisor Jeff Clement Office: (505) 324-1090 Cell: (505) 215-0533

> RIG CONTRACTOR To be determined (505) 324-1090

CONTRACT SAFETY COMPANY Jacobs Engineering Al Lara Office: (970) 564-1103 Cell: (970) 560-1349

EXHIBIT G

## CONTENTS

1.00	PURF	OSE	4
2.00	GENI	RAL INFORMATION ON AND PHYSIOLOGICAL RESPONSES TO	
	HYDI	ROGEN SULFIDE (H2S) AND SULFUR DIOXIDE (SO2)	5
	2.10	HYDROGEN SULFIDE (H2S)	5
	2.20	SULFUR DIOXIDE (SO2)	5
	2.30	TOXICITY CHART	5
3.00	TREA	TMENT PROCEDURES FOR H2S AND SO2 EXPOSURE	6
4.00	OPĖF	ATIONAL PRECAUTIONS AND PROCEDURES	6
	4.10	LOCATION LAYOUT	6
	4.20	OPERATING & FLARING PROCEDURES	7
	4.30	OPERATING CONDITIONS	8
5.00	HYDI	ROGEN SULFIDE EMERGENCY PROCEDURES	9
6.00	TRAI	NING PROGRAM	10
7.00	PROT	ECTION OF THE GENERAL PUBLIC	11
	7.10	NOTIFICATION OF POTENTIAL DANGER	11
	7.20	EMERGENCY EVACUATION AND ISOLATION OF DANGER AREA	11

## APPENDICES

• •

.

•

APPENDIX A	AREA MAP
APPENDIX B	LOCATION LAYOUT
APPENDIX C	EMERGENCY CONTACT LIST
APPENDIX D	H2S RADIUS OF EXPOSURE
APPENDIX E	H2S RADIUS OF EXPOSURE MAP
APPENDIX F	HYDROGEN SULFIDE MSDS
APPENDIX G	EMPLOYEE SIGNOFF SHEET

#### 1.00 PURPOSE

This Emergency Response, and Public Protection Plan (Plan), is a specific plan, that applies to the San Juan Basin Operations, of New Mexico, operated by XTO Energy Inc. (XTO). This document is designed to provide for the safety and welfare of XTO and contract personnel, the community, the environment, and property, under H2S situations.

This plan establishes evacuation procedures, assigns response duties to specific individuals, provides for notification of outside agencies, and provides details of actions to alert and protect the public. This Plan will be activated immediately upon the detection of the release of a potentially hazardous volume of hydrogen sulfide (H2S).

## 2.00 GENERAL INFORMATION ON AND PHYSIOLOGICAL RESPONSES TO HYDROGEN SULFIDE (H2S) AND SULFUR DIOXIDE (SO2).

### 2.10 HYDROGEN SULFIDE (H2S)

Hydrogen sulfide is a flammable, highly toxic, colorless gas that is heavier than air, with the odor of rotten eggs. It can be detected by smell at the concentration of only 0.002 parts per million (ppm). Above concentrations of 100 ppm, it will deaden the sense of smell in a few minutes, and at a concentration of 600 + ppm, a single breath can be fatal. If ignited, it burns with a blue flame. In still air, it tends to accumulate in low places in dangerous concentrations. However, if it is warmer than the surrounding air, it may tend to rise. The upper flammability in air is 4% (40,000 ppm).

Breathing low concentrations of H2S can cause headaches. Higher concentrations (0.01 percent by volume) cause irritation of the eyes, nose, throat, and lungs. Eyes become red and swollen, accompanied by sharp pain in more severe cases. Still higher concentrations (0.05 percent by volume) cause dizziness, unconsciousness, and failure of respiration.

The Threshold Limit Value (TLV) is 10 ppm (0.001%) in air. This is the limit for eight hours of continuous exposure as recommended by the American Conference of Governmental Industrial Hygienists. The health and safety reference values of various concentrations of H2S are listed in the toxicity chart below. A Manufacturers Safety Data Sheet (MSDS) for hydrogen sulfide is included in Appendix D.

## 2.20 SULFUR DIOXIDE (S02)

Sulfur dioxide is formed with the burning of hydrogen sulfide gas. Sulfur dioxide is a pungent, irritating, suffocating, colorless gas. This gas is normally heavier than air and concentrations above 400 ppm are considered dangerous for even brief exposures.

Under special circumstances, hydrogen sulfide gas may be ignited in order to dissipate a gas cloud and reduce impact on a local area. Often these burning temperatures are enough to raise and mix the SO2 with air in a ratio well below toxic levels. However, great care and proper monitoring should be used when this is attempted.

Due to the irritating effect of SO2 at low concentrations of less than 5 ppm, there is usually no doubt as to it's presence in an area, which provides better warning characteristics than H2S.

NAME	SPECIFIC GRAVITY (1)	TLV (2) (ppm)	HAZARDOUS LIMIT (3)	LETHAL CONCENTRATION (4)
Hydrogen Sulfide	1.18	10	100 ppm/1hr.	600 + ppm
Sulfur Dioxide	2.21	2	50 ppm/1 hr.	400 ppm

## 2.30 TOXICITY CHART

Notes:

- (1) Specific gravity of air = 1.00
- (2) TLV Threshold Limit Value
- (3) Hazardous Limit concentration that may cause death with short term exposure.
- (4) Lethal concentration concentration that may cause death with only a few breaths.

#### 3.00 TREATMENT PROCEDURES FOR H2S AND SO2 EXPOSURE

- A. Remove the patient to fresh air. Personnel should <u>always</u> use fresh air breathing equipment when entering an area to retrieve a person who has been overcome with H2S.
- B. Call a physician and get patient under his care as soon as possible.
- C. If breathing has ceased, begin artificial respiration immediately. Give cardiopulmonary resuscitation (CPR) only if there is no pulse and no breathing. Continue revival efforts until physician arrives or, if patient is mobile and it is determined that he should go to the hospital, continue oxygen inhalation under the physician's direction.
- D. Administer oxygen to help eliminate toxic substances from blood stream.
- E. Keep the patient at rest and protect from chilling.

#### 4.00 INDIVIDUAL RESPONSIBILITIES

It is the responsibility of *all personnel* on the location to familiarize themselves with the procedures outlined in this contingency plan.

- A. All Personnel
  - 1. Responsible for their assigned safety equipment.
  - 2. Responsible for familiarizing themselves with the location of all safety equipment.
  - 3. Responsible for reporting any indications of H2S to those in the area and to a supervisor.
- B. Operations Supervisor
  - 1. Responsible for thoroughly understanding and seeing that all aspects of this contingency plan are enforced.
  - 2. Responsible for implementing all phases of this contingency plan.
  - 3. Responsible for keeping a minimum of personnel on the location during expected hazardous operations.
  - 4. Responsible for coordinating all well site operations and communications in the event that an emergency condition develops.
  - 5. Responsible for ensuring that all visitors receive an H2S safety orientation. A visitors log will be maintained as well as a list of all personnel on location after drilling has progressed to the suspected H2S formation.

### 4.10 LOCATION LAYOUT

The location should have at least two pre-determined safe areas to assemble at in the event of an emergency. These locations should be located 180 degrees to one another, and in the direction of the prevailing winds.

A. H2S rig monitor with at least three heads. One located at the bell nipple, one located at the shale shaker, and a third one on the rig floor.
 The location and type of all air masks. Self-contained breathing apparatus for use by rig personnel for this well will be kept in the following location(s):

Type: 1-30 min. rescue unit Type: 1-30 min. rescue unit Type: 2-30 min. rescue unit Type: 2-30 min. rescue unit Type: 5-Hoseline work unit Type: 3-5 min escape unit Type: 1-5 min. escape unit

.

Location: Safety Contractor's Trailer Location: All Trailers Location: Briefing Area #1 Location: Briefing Area #2 Location: Safety Trailer Location: Ríg Floor Location: Tubing board (derrick)

If a cascade system is utilized, indicate the location(s);

Гуре: 10 cylinder cascade	Location: Safety Trailer located by rig base of catwalk.
---------------------------	----------------------------------------------------------

The location of windsocks or streamers. The wind directions indicators for this well will be located at:

Type: Windsock	Location: Briefing Area #1
Type: Windsock	Location: Briefing Area #2
Type: Windsock	Location: On floor & pits

The location of any other safety equipment used, such as flare guns or bug blowers.

Type:	Flare	gun
-------	-------	-----

Location: Safety Trailer

The location of all telephones and/or means of communications are as follows:

Type: Cell phone

Location: Drilling Superintendent Tool Pusher

÷

Warning Signs:

"No Smoking" signs should be strategically located around the rig and rig location. The following locations are appropriate:

Rig Floor Dog house Substructure Lower landing of all stairs to rig floor Mud pits Shale shaker

"Poison Gas" signs should also be strategically located around the rig and rig location. The following locations are appropriate:

All entrances leading to location Lower landing of all stairs leading to rig floor All areas around substructure, including mud pits and shale shaker Various points along the perimeter of the radius of exposure

NOTE: All warnings should be black and yellow in color and of readable size at a distance.

#### 4.20 OPERATING PROCEDURES

The following operating procedures will be utilized for drilling in areas with H2S.

- A. Plan of operation for handling gas kicks and other problems. Any gas kick will be controlled by using approved well control techniques. Upon evidence that ambient H2S concentrations have reached 10 ppm, all non-essential personnel will be evacuated to pre-determined safe areas. Personnel remaining on the rig floor will continue to control the well until the situation indicates the area is safe to reenter.
  - **Special Operations:**
  - Drill Stem Tests: All drill stem tests must be closed chamber and conducted during daylight hours only.
  - Coring: After a core has been cut, circulate bottoms up and monitor for H2S. If hole conditions (and/or detectors) indicate potentially hazardous conditions, put breathing equipment on (10) ten stands before core barrel reaches surface. Breathing equipment will be worn by all personnel while core barrel is pulled, broken out and opened, and until a safe atmosphere is indicated.
    - All equipment with potential for H2S shall be suitable for H2S service, i.e. Drill String, Casing, Well Head, Blowout Preventor equipment and trim, Rotating Head, Kill Lines, Choke Manifold and Lines.
  - A remote controlled choke will be installed prior to all H2S drilling.
  - Mud system pH will be maintained at or above 10.0 with sufficient materials on location to maintain the required pH.
  - A flare pit will be located a minimum of 150" from the wellhead and 30" from the reserve pit. Should H2S be encountered during drilling operations an *ignitable flaring system* will be used and burnable gas will then be vented to the atmosphere. Extreme caution will be noted for Sulfur Dioxide that is a by product of Hydrogen Sulfide when burned.

#### 4.30 OPERATING CONDITIONS

Operating conditions are defined in three categories. A description of each of these conditions and the required action to take are given below.

A.	Condition I – Normal Operating Conditions, Potential Danger <u>Characterized by:</u> Normal Drilling Operations in zones which contain or may contain H2S.		
	Warning Flag:	Yellow	
	Alarm:	None	
	<b>Probable Occurrence:</b>	No detectable gas present at surface	
	General Action:		
	Know location of safety equipment.		
	Check safety equipment for proper function. Keep it available.		
	Be alert for a condition change.		
	Follow instructions of supervisor.		
B.	Condition II – Potential to Moderate Danger to Life		
	Characterized by: H2S gas present. Concentration less than 10 ppm.		
	Warning Flag:	Orange	
	Alarm:	Flashing light at 10 ppm H2S. Intermittent blasts on horn at 10 ppm H2S.	
	Probable Occurrence:	As drill gas.	
		As trip gas when circulating bottoms up	

- When a core barrel is pulled
- When a well kick is circulated out

Surface pressure, well flow or lost operations

Equipment failure during testing operations

General Action: Follow instructions of supervisor. Put on breathing equipment if directed, or is conditions warrant it. Stay in "SAFE BRIEFING AREA" if instructed and not working to correct the problem. The Drilling Superintendent will initiate action to reduce the H2S concentration to zero.

С.

Condition III – Moderate to Extreme Danger to Life

<u>Characterized by:</u> H2S present in concentrations at or above 10 ppm. Critical well operations or well control problems. In the extreme, loss of well control.

Warning Flag:	Red
Alarm:	Flashing light and continuous blast on horn at 10 ppm H2S
Probable Occurrence:	As drill gas
	As trip gas when circulating bottoms up
	When a core barrel is pulled
	When a well kick is circulated out
	Surface pressure, well flow or lost return problems
	Equipment failure during testing operations

General Action:

Put on breathing equipment. Move to "SAFE BRIEFING AREA" and remain there is not working to correct or control problem.

Follow instructions of Drilling Superintendent or other supervisor.

The Drilling Superintendent will initiate emergency action as provided in the contingency plan and as appropriate to the actual conditions. If testing operations are in progress, the well will be shut in. The Drilling Superintendent will conduct any necessary operations with an absolute minimum of personnel. All persons in the immediate area will wear a breathing apparatus. All other personnel will restrict their movements to those directed by the Superintendent.

If gas containing hydrogen sulfide (H2S) is ignited, the burning hydrogen sulfide will be converted to sulfur dioxide, which is poisonous.

#### 5.00 HYDROGEN SULFIDE EMERGENCY PROCEDURES

The procedures listed below apply to drilling and testing operations:

- A. If at any time during Condition I, the mud logger, mud engineer, or any other person detects H2S, he will notify the Drilling Superintendent. All personnel should keep alert to the Drilling Superintendent's orders. He will:
  - 1. Immediately begin to ascertain the cause or the source of the H2S and take steps to reduce the H2S concentration to zero. This should include having the mud engineer run a sulfide and pH determination on the flowline mud if water-base mud is in use. If an oil-base mud is in use, the mud engineer should check the lime content of the mud.
  - 2. Order non-essential personnel out of the potential danger area.
  - 3. Order all personnel to check their safety equipment to see that it is working properly and in the proper location. Persons without breathing equipment will not be allowed to work in a hazard area.
  - 4. Notify the Contract Supervisor of condition and action taken.
  - 5. Continue gas monitoring activities and continue with caution.
  - 6. Display the orange warning flag.
- B. If the H2S concentration exceeds 10 ppm, the following steps will be taken:
  - 1. Put on breathing equipment
  - 2. Display red flag
  - 3. Driller prepare to shut the well in
    - a. Pick up pipe to get Kelly out of BOP's
    - b. Close BOP's if necessary

- 4. If testing operations are in progress, the well will be shut-in
- 5. Help anyone who may be affected by the gas
- 6. Evacuate quickly to the "SAFE BRIEFING AREA" if instructed or conditions warrant
- C. In the event a potentially hazardous volume of H2S is released into the atmosphere, the following steps must be taken to alert the public:
  - 1. Remove all rig personnel from the danger area and assembly at a pre-determined safe area, preferable upwind from the well site.
  - 2. Alert the drilling office, public safety personnel, regulatory agencies, and the general public of the existence and location of an H2S release. See List of Emergency Telephone Numbers.
  - 3. Assign personnel to block any public road (and access road to location) at the boundary of the area of exposure. Any unauthorized people within the area should be informed that an emergency exists and be ordered to leave immediately.
  - 4. Request assistance from public safety personnel to control traffic and/or evacuate people from the threatened area.

### 6.00 TRAINING PROGRAM

All personnel associated with the drilling operations will receive training to ensure efficient and correct action in all situations. This training will be in the general areas of:

(A) Personnel Safety (B) Rig Operations (C) Well Control Procedures

- A. <u>Personnel Safety Training</u> All Personnel shall have received H2S training in the following areas:
  - 1. Hazards and characteristics of H2S.
  - 2. Effect on mental components of the system.
  - 3. Safety precautions.
  - 4. Operation of safety equipment and life support systems.
  - 5. Corrective action and shutdown procedures.
- B. <u>Rig Operations</u> All rig personnel shall have received training in the following areas:
  - 1. Well control procedures.
  - 2. Layout and operations of the well control equipment.

## NOTE: Proficiency will be developed through BOP drills which will be documented by the Drilling Superintendent.

7. <u>Service Company Personnel</u> – All service personnel shall be trained by their employers in the hazards and characteristics of H2S, and the operation of safety equipment, and life support systems.

<u>Visitors</u> – All first time visitors to the location will be required to attend a safety orientation. The Drilling Superintendent shall be responsible for this orientation and he shall see that every visitor is logged correctly.

<u>Public</u> - The public within the area of exposure shall be given an advance briefing by the Drilling Superintendent. This briefing must include the following elements:

- 1. Hazards and characteristics of hydrogen sulfide. It is an extremely dangerous gas. It is normally detectable by its "rotten egg" odor, but odor is not a reliable means of detections because the sense of smell may be dulled or lost due to intake of the gas. It is colorless, transparent and flammable. It is heavier than air and may accumulate in low places.
- 2. The necessity of an emergency action plan. Due to the danger of persons exposed to hydrogen sulfide and the need for expeditious action should an emergency occur, this action plan will be put into effect if and when a leak occurs.
- 3. The location of hydrogen sulfide within the area of exposure at the drilling location.
- 4. The manner in which the public will be notified of an emergency.
- 5. Steps to be taken in case of an emergency.
- 6. Abandon danger area.

7. Notify necessary agencies and request assistance for controlling traffic and evacuating people.

## 7.00 PROTECTION OF THE GENERAL PUBLIC

### 7.10 NOTIFICATION OF POTENTIAL DANGER

- Warning signs will be prominently displayed at the well site and at all access points.

#### 7.20 EMERGENCY EVACUATION AND ISOLATION OF DANGER AREA

In the event that toxic gases are released in such quantities as to be a possible hazard to the public, the following steps (in addition to the procedure outlines in Section 5.00) will be taken by the person in charge.

- Choose a command post site in a safe area
- Alert by telephone the Incident Commander or the Safety Manager and notify the person of the situation and your choice of command posts.
- Notify local Law Enforcement Officials of the need to restrict entry to the area and the location of your command post. Request their assistance in restricting entry into the danger area by placing roadblocks or barriers in safe areas.

NOTE: Alternate command posts and roadblocks may be required; the Incident Commander may make changes in the locations listed above. Care should be taken to notify all responders of the changes.

- If evacuation cannot be accomplished in a timely manner and the H2S release is posing an immediate threat to human life, the Incident Commander may choose to ignite the gas, Because of the increased risks igniting the gas can pose for response personnel, only the Incident Commander can give this order.