Form C-101 June 16, 2008

District\_I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Submit to appropriate District Office

AMENDED REPORT

TO Energy Inc.  382 CR 3100 Aztec, New Mexico 87410  **Propost Value**  **Propost Pool   Propost Number 22643  **Propost Pool   Propost Pool   Propost Number 22643  **Surface Location  **User favor	PLUGBA				DKIL	L, KE-EN I	EK,	DEEPEN,					
Additional Well Location    Now Figure Code   Now Medical   Now North   North South			ПОр	erator Name and	Address								
Sac Case	XTO Energy	Inc.											
Proposed Pool 2   Proposed Pool 2   Proposed Pool 2			New Mexi	.co 87410			30- 045-34936						
Proposed Pool 2  Proposed Pool 2  Surface Location  Ut. or loc no. Section Township Rungs Lize Idn Peat from the Proposed Pool 2  Proposed Bottom Hole Location If Different From Surface  Ut. or loc no. Section Township Rungs Lize Idn Peat from the Proposed Pool 2  Proposed Bottom Hole Location If Different From Surface  Ut. or loc no. Section Township Rungs Lize Idn Peat from the Rungs Lize Idn Peat Idn Red Peat from the Rungs Lize Idn Peat from the Rungs Lize Idn Peat Idn Red		•					<b>!</b>						
PRODUCTION OF THE RANGE LOCATION  U.G. Fold to Scale to S		643	9 Proposed	Pool I		TAPT GAS	COM		<sup>10</sup> Proposed P		±TG		
U. cr let no    Section   13W   13W   13W   1935   FRL   1855   FRL			•				l		- Troposed I				
**Section** Fig. 14 30N 13W 1935 FNL 1855 FWL SAN JUAN  **Stroposed Bottom Hole Location If Different From Surface**  UI. or John So. Section   Township   Range   Lot Idn   Feet from the   North/South Line   Feet from the   Earl West Irine   County    **Additional Well Location**  **Additional Well Location**  **Proposed Casing and Level Program**  I Work Type Code   12 Well Type Code   NSW MILL   GAS   ROTARY   FRE   ST74    I Shadingle   17 Proposed Depth   Shortan   19 Contractor   20 Synd Date    **Proposed Casing and Cement Program**  Hole Size   Casing Size   Casing weight-floot   Setting Depth   Sacks of Cement   Estimated TOC    12.25   8.625   24   360   214    7.875   5.5   15.5   6700   199 (LEAD)    **Proposed Depth   Sacks of Cement   Depth   Sacks of Cement   Estimated TOC    **Proposed Depth   Sacks of Cement   Depth   Depth   Sacks of Cement   Depth   Dept	<sup>7</sup> Surface Lo	ocation											
Proposed Bottom Hole Location If Different From Surface   Ut. or les 200   Section   Toweship   Range   Lot lide   Peet foom the   Nouth/South Line   Feet from the   East-West line   County	UL or lot no	Section	Township	Range	Lot Idr	Feet from t	the	North/South Line	Feet from the	East/West line	County		
U. or but no. Section Township Range Lot Idn Feet from the North/South Line Feet from the East/West line Country  Additional Well Location  11 Work Type Code NEW WELL CASS ROTARY FEE 5774  13 Multiple 17 Proposed Depth 18 Formation 19 Constructor 29 Spud Date 5774  14 Least Type Code 5774  15 Multiple 17 Proposed Depth 18 Formation 19 Constructor 29 Spud Date 5774  16 Multiple 17 Proposed Depth 18 Formation 19 Constructor 29 Spud Date 5774  17 Proposed Casing and Cement Program  Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 12. 25 8.625 24 360' 214  17.875 5.5 15.5 6700' 199 (LEAD)  20 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.  See Attached Drilling Program  A COMPLETE C-144 MUST BE SUBMITED TO AND APPROVED BY THE MROCE FOR. A PTI, CLOSED LOOP SYSTEM, BELOW GARDE TANK, OR TO PROVING PART 19, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15	<u> </u>	1	L					FNL	1855	FWL	SAN JUAN		
Additional Well Location  11 West Type Code  NEW WELL  GAS  ROTARY  FEE  5774  15 Multiple  17 Proposed Depth 6700 DAKOTA  21 Proposed Casing and Cement Program  Hole Size  Casing Size  Casing weight/foot  12.25  8.625  24  360 214  7.875  5.5  15.5  6700 199 (LEAD)  22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.  Describe the blowout prevention program, if any. Use additional sheets if necessary.  See Attached Drilling Program  RCUD APR 15 709  OIL CONS. DIV.  A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE MORGO FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PRIOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED A LITERARIATIVE METHOD, PURISUANT TO NAMOCO PART 19, 151,7, PRIOR TO THE USE OR PROOPSED ALTERNATIVE METHOD, PURISUANT TO NAMOCO PART 19, 151,7, PRIOR TO THE USE OR PROOPSED ALTERNATIVE METHOD, PURISUANT TO NAMOCO PART 19, 151,7, PRIOR TO THE USE OR PROOPSED ALTERNATIVE METHOD, PURISUANT TO NAMOCO PART 19, 151,7, PRIOR TO THE USE OR PROOPSED ALTERNATIVE METHOD, PURISUANT TO NAMOCO PART 19, 151,7, PRIOR TO THE USE OR PRIOR TO CASING & CEMENT  21 hereby certify that the information given above is true and complete to the best of nay knowledge and belief.  Signature—  Signature—  Approval Date APR 2 4 2009 Expiration Date: APR 2 4 2011  E-mail Address: jermifer hembry@xtcoenergy.com  Date:  Phone:  Conditions of Approval Attached	<sup>8</sup> Proposed I	Bottom H	Iole Loc	ation If Dif	ferent	From Surfa	ce						
Work Type Code   12 Well Type Code   GAS   ROTARY   FEE   S774     16 Multiple   17 Proposed Depth   18 Fernantion   DAKOTA   19 Contractor   28 Spad Date     19 Contractor   19 Contractor   28 Spad Date     10 Multiple   17 Proposed Depth   18 Fernantion   DAKOTA   19 Contractor   28 Spad Date     10 Multiple   17 Proposed Depth   Sacks of Coment   Estimated TOC     10 Section   19 Contractor	UL or lot no.	Section	Township	Range	Lot Idi	Feet from	the	North/South Line	Feet from the	East/West line	County		
NEW WELL  16 Multiple 17 Proposed Depth N 6700' 18 Formulon 19 Contractor 19 Contractor 20 Spud Date  21 Proposed Casing and Cement Program  Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC  12.25 8.625 24 360' 214  7.875 5.5 15.5 6700' 199 (LEAD)  22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.  See Attached Drilling Program  A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE MMOCD FOR: A PIT. CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO MOCD PART 19.15, 17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.  PRIOR TO CASING & CEMENT  21 Intereby certify that the information given above is true and complete to the best of my knoyfedge and belief.  Signature A. HEMBERY  Title:  REGULATORY CLERK  E-mail Address: jennifer hembry@xtcenergy.com  Polone:  Phone:  Conditions of Approval DateAPR 2 4 2009 Expiration Date: APR 2 4 2011  E-mail Address: jennifer hembry@xtcenergy.com  Date:  Phone:  Conditions of Approval Attached	Additional V	Well Loca	ation							J			
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Proposed Casing and Cement Program  Hole Size								10		1	· · ·		
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E-mail Address: jennifer hembry@xtoenergy.com  Date: Phone: Conditions of Approval Attached	Printed name: JENNIFER M. HEMBRY							Title: DEPUTY OIL & GAS INSPECTOR, DIST. &					
E-mail Address: jennifer hembry@xtoenergy.com  Date: Phone: Conditions of Approval Attached								oval DateAPR 2	<b>4 2009</b> E	xpiration Date:	PR 2 4 20 W		
Date: Phone: Conditions of Approval Attached				extoeneray.	com	· · · · · · · · · · · · · · · · · · ·							
04/14/2009 505-333-3631	Date:			Phone:	· <del></del>	-3631	Cond	itions of Approval	Attached				

APR 2 4 2009 ()

DISTRICT I 1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II 1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M 87410

DISTRICT IV

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 October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DI <mark>STRICT IV</mark> 1 <mark>220 South St. Francis Dr., S</mark>	anta Fe, NM 87505						NDED REPORT
•	WEL	LOCATION	AND AC	REAGE DED	ICATION PI	ΑT	
API Number	49210	<sup>2</sup> Pool Code 7/599	S	Pasin I	akota		
Property Code			<sup>5</sup> Property N		5 ( - (	6 y	Well Number
22643			TAFT GAS	СОМ		ļ	1G
OGRID No			*Operator N	lame			<sup>9</sup> Elevation
5380			XTO ENERG	Y INC.			5774'
		1	<sup>o</sup> Surface	Location			
UL or lot no Section	Township Rar	nge Lot Idn F W	eet from the 1935	North/South line NORTH	Feet from the 1855	East/West line WEST	County SAN JUAN
Landing and the state of the st				f Different Fr		`	
UL or lot no. Section			eet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres	13 toi	nt or Infill	*Consolidation Co		¹⁵Order No		
N/2 - 32	$\cap$	in or innin	Consumotion Co	,	order no		
NO ALLOWABLE	WILL BE ASSI	GNED TO THIS	COMPLETI	ON UNTIL ALL	J INTERESTS F	HAVE BEEN C	ONSOLIDATED
16		-STANDARD UI					
FD. 2 1/2" PIPE CAP MISSING  (A)  (B)  (CAP MISSING  (CAP	89'59'56' 2638 83'	(M) 1952 BA M  SURF LAT: LAT:	ACE: 36.81513' 6: 108.1774 36'48'544" N	N. (NAD 83) 3° W. (NAD 83) . (NAD 27) "W (NAD 27)	I hereby cer is true and belief, and it interest or including the right to drill contract with interest or compulsory division.  Printed  I hereby cer was plotted me or under	Name  SURVEYOR CE tify that the well location from field notes of actur my supervision, and that to the best of my knowl	contained herein t my knowledge and her owns a working i in the land location or has a on pursuant to a nineral or working igreement or a entered by the  ERTIFICATION in shown on this plat all surveys made by in the some is true

#### XTO ENERGY INC.

#### Taft Gas Com #1G APD Data January 16, 2009

Location: 1935' FNL x 1855' FWL Sec 14, T30N, R13W

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: 6700'

OBJECTIVE: Basin Dakota

APPROX GR ELEV: 5774'

Est KB ELEV; <u>5786' (12' AGL)</u>

#### 1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 6700'
HOLE SIZE	12.25"	7.875"	7.875"
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

Remarks: 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: 8.625" casing to be set at  $\pm$  360' in a 12-1/4" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cpig	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-360'	360'	24.0#	J-55	ST&C	1370	2950	244	8.097	7.972	7.950	17.13	28.24

Production Casing: 5.5" casing to be set at TD (±6700') in 7.875" hole filled with 9.20 ppg mud.

						Coll Rating	Burst Rating	Jt Str	ID	Drift	SF	SF	SF
1	Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
	0'-6700	6700'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.26	1.50	1.95

Remarks: All Casing strings will be centralized in accordance with Onshore Order #2 and NTL FRA-90-1.

#### 3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 8-5/8" 8rnd thread on bottom and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 2,000 psig WP (4,000 psig test), 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

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

A. Surface:

8.625", 24.0#, J-55, ST&C casing to be set at  $\pm$  360' in 12-1/4" hole.

214 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 297 ft<sup>3</sup>, 100% excess of calculated annular volume to 360'.

B. <u>Production:</u> 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at  $\pm 6700$ ' in 7.875" hole. DV Tool set  $@ \pm 4100$ '

1st Stage

#### LEAD:

±199 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:

 $\pm 341$  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 1635 ft3.

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: None.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (6700') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6700') to 3,000'.

#### 6. FORMATION TOPS:

Est. KB Elevation: 5786'

FORMATION	Sub-Sea	MD	FORMATION	TV Sub-Sea	MD
Ojo Alamo SS			Gallup	307	5479
Kirtland Shale	5431	355	Greenhorn	-450	6236
Farmington SS			Graneros	-504	6290
Fruitland Formation	4553	1233	Dakota 1*	-563	6349
Lower Fruitland Coal	3984	1802	Dakota 2*	-574	6360
Pictured Cliffs SS	3952	1834	Dakota 3*	-644	6430
Lewis Shale	3764	2022	Dakota 4*	-700	6486
Chacra SS	2931	2855	Dakota 5*	-725	6511
Cliffhouse SS*	2345	3441	Dakota 6*	-753	6539
Menefee**	2283	3503	Burro Canyon	-802	6588
Point Lookout SS*	1609	4177	Morrison*	-840	6626
Mancos Shale	1199	4587	TD	-914	6700

<sup>\*</sup> Primary Objective

\*\*\*\* Maximum anticipated BHP should be <2,000 psig ( <0.30 psi/ft) \*\*\*\*\*

#### 7. **COMPANY PERSONNEL:**

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Justin Niederhofer	Drilling Engineer	505-333-3199	505-320-0158
Jerry Lacy	Drilling Superintendent	505-333-3177	505-320-6543
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JDN 1/16/09

<sup>\*\*</sup> Secondary Objective

# CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

- 1. Stake all lines from choke manifold to pit.
- 2. Pressure test choke manifold after installation.
- 3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

## TESTING PROCEDURE





