FORM APPROVED

(July 1992)	HAIT	ED STATES	2	(Other instructi	ons on	OMB NO. 1004-0136 Expires: February 28, 1995					
e.	DEPARTMEN'			reverse side	e)	5. LEASE DESIGNATION AND SERIAL NO. SF - 078398					
J.	BUREAU OF LAND MANAGEMENT										
ADDI			6. IF INDIAN, ALLOTTEE OR TRIBE NAME								
1a. TYPE OF WORK	ICATION FOR PE	HIVIT TO D	KILL	OR DEEPEN		7. UNIT AGREEMENT NAME					
DF	RILL X	DEEPEN				273					
b. TYPE OF WELL OIL	GAS X		5	SINGLE X MULTIPL	E	8. FARM OR LEASE NAME, WELL NO.					
2. NAME OF OPERATOR	WELL CALL OTHER			ZONE ZONE		Bruington Gas Com C#					
XTO Energy Inc.						9. API WELL NO.					
, · · · · · · · · · · · · · · · · · · ·	. ADDRESS AND TELEPHONE NO. 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401										
/	L LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)										
	FEL in Sec 21, T3	ON, R11W		APR 2003	67	11. SEC., T., R., M., OR BLK.					
At proposed prod. zone same as above				BC.	(J	P Sec 21, T30N, R11W					
14. DISTANCE IN MILES AND	DIRECTION FROM NEAREST TO		*	(c)	· of	12. COUNTY OR PARISH 13. STATE					
2 air miles sout	<u>h of the Aztec, NM</u> seD*	Post Office	16 270	OF ACRES IN LEASE	17\NG 05	San Juan NM ACRES ASSIGNED					
LOCATION TO NEAREST	਼ਾਹ ਜੋਵੇਜ਼ਾ ਹਵਾਲੇ ਜੋਵੇਜ਼ਾ			B17.88 2 2 2 1 1 1 1 1	TOTHIS						
(Also to nearest drlg. ur 18. DISTANCE FROM PROPO				POSED DEPTH	20. ROTAR	YOR CABLE TOOLS					
TO NEAREST WELL, DRIL OR APPLIED FOR, ON TH	LING, COMPLETED,	_	2,4	100'	0-2	,400' with Rotary Tools					
21. ELEVATIONS (Show wh					22. APPROX. DATE WORK WILL START*						
5,831' Ungraded	Ground Level					Winter 2003					
23.	1	PROPOSED CASIN	G AND C	EMENTING PROGRAM							
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FO		SETTING DEPTH		QUANTITY OF CEMENT					
8-3/4"	7", J-55	20.0#/f				75 sx Type III or Cl B cement 195 sx Premium Lite cement					
6-1/4"	4-1/2", J-55	10.5#/f	<u> </u>	+-2,400'	195 8.	x Premium Lite cement					
	ł	l	l								
Surface Use	NC. Request approva Plan and proposed D o this well being l	rilling Prog	ram.			ribed in the enclosed What is required.					
action is subject to technica edural review pursuant to 4 appeal pursuant to 43 CFR	al and SUBJECT TO 3 OFR 3165.3 *GENERAL	PERATIONS AUTHO DICOMPLIANCE WI REQUIREMENTS".	ORIZED A	ARE CHED		RECEIVEL 8 Feb 25, M ID 70 Farmington,					
	IBE PROPOSED PROGRAM: pertinent data on subsurface loc					osednew productivezone. If proposalis to					
SIGNED	WYdu	<i>8</i> 77	mle Dr	rilling Engineer		DATE 2/24/03					
(This space for Federal	l or State office use)	•									
PERMIT NO.	-			APPROVAL DATE							
Application approval do CONDITIONS OF APPR		olicant holds legal or eq	uitable title	e to those rights in the subject lease	e which woul	d entitle the applicant to conduct operations t					
le	V David J. Mankie	wicz				APR 2 5 2003					

*See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and will fully to make to any department agency of the United State By Page, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

- TTTLE -

- DATE -

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

State of New Mexico

Form C-102 Revised August 15, 2000

DISTRICT II 811 South First, Artesia, N.M. 88210

Submit to Appropriate District Office OIL CONSERVATION DIVISION

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 2040 South Pacheco Farmington, Nivi

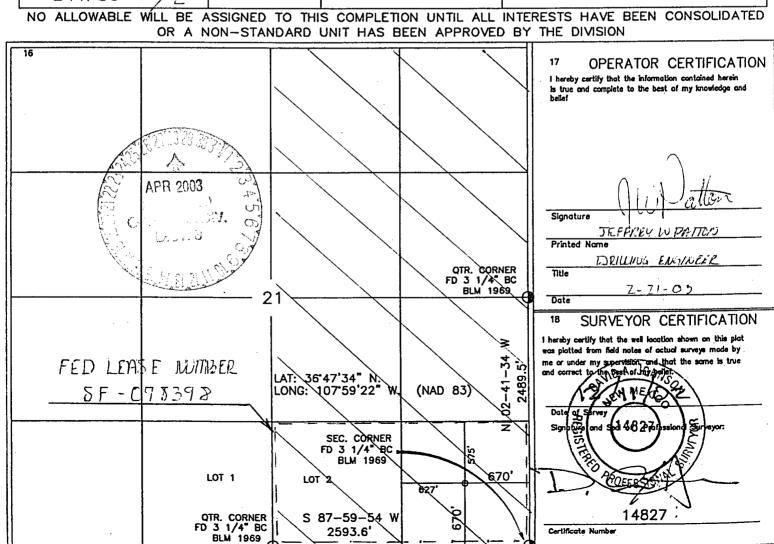
State Lease — 4 Copies Fee Lease — 3 Copies

2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API	Number			*Pool Code 7162	1	Pool Name BASIN PRUITLAND COAL							
⁴ Property Cod	ie			⁶ Property Name									
				Ε	RUINGTON GA	S COM C			3				
OGRID No.					*Operator N	lame	Devotion						
167067 xto energy inc. 58									5831'				
				,	¹⁰ Surface	Location							
UL or lot no.	r lot no. Section Township Range			Lot Idn	Feet from the	North/South line	East/West line	County					
P	21.	30-N	11-W		670	SOUTH	670	EAST	SAN JUAN				
	.,	\$	11 Botte	om Hole	Location	f Different Fr	om Surface	,					
UL or lot no. Section : Township Range				Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County				
Dedicated Acres			13 Joint or II		¹⁴ Consolidation Co	l ode	¹⁵ Order No.	L					
217.	٥٥	/ _		-									



XTO ENERGY INC.

DRILLING PROCEDURE BRUINGTON GAS COM "C" #3 Basin Fruitland Coal February 24, 2003

Location: 670' FSL & 670' FEL, Sec 21, T30N, R11W County: San Juan State: New Mexico

PROJECTED TOTAL DEPTH: 2,400' OBJECTIVE: Fruitland Coal GR ELEV: 5,831'

1. MUD PROGRAM:

	INTERVAL	0'-200'	200'-TD
4.3	HOLE SIZE	8-3/4"	6-1/4"
	MUD TYPE	FW/Native	FW/Polymer
	MUD WEIGHT, ppg	8.6-9.0	8.6-9.1
	VISCOSITY, sec/qt	28-32	28-33
	WATER LOSS, cc	NC	NC

Remarks: Drill the surface hole with fresh water. Run and cement 7" surface casing, circulating cement to surface. NU and test BOP equipment, then drill out with fresh water. Use polymer sweeps as needed for hole cleaning. At TD, sweep the hole prior to TOH to log.

2. CASING PROGRAM:

Surface Casing: 7" casing to be set at ± 200 ' in 8.8 ppg mud.

1						Coll	Burst						
			Wt]	ļ	Rating	Rating	Jt Str	ID	DD	SF	SF	SF
	Interval	Length	(ppf)	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Tension
	0'-200'	200'	20#	J-55	STC	2,270	3,740	234	6.456	6.331	9.99	4.59	58.5

Optimum makeup torque for 7" 20#, J-55, STC casing is 2,340 ft-lbs (Min - 1,760 ft-lbs, Max - 2,930 ft-lbs).

Production Casing: 4-1/2" casing to be set at \pm 2,400' in 8.8 ppg mud.

					Coll	Burst						
		Wt			Rating	Rating	Jt Str	ID	DD	SF	SF	SF
Interval	Length	(ppf)	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Tensior
0'-TD	2,400'	10.5#	J-55	STC	4,010	4,790	132	4.052	3.927	3.57	3.33	5.24

Optimum makeup torque for 4-1/2", 10.5#, J-55, casing is 1,320 ft-lbs (Min - 990 ft-lbs, Max - 1,650 ft-lbs).

Capacity of 7", 20# casing is: 0.04048 bbl/ft Capacity of 4-1/2", 10.5# casing is: 0.01595 bbl/ft

3. **WELLHEAD:**

Casinghead: Larkin Fig 92 (or equivalent) 2,000 psig WP (4,000 psig test) with 7", 8rd pin on

bottom and 8-5/8" API Modified 8rd thread on top.

Tubinghead: Larkin Model 612 (or equivalent) 2,000 psig WP (4,000 psig test) with 4-1/2", 8rd

bottom thread and 8-5/8" 8rd API Modified top body thread, 4.090" minimum bore.

4. **CEMENT PROGRAM:**

A. Surface: 7", 20#, J-55, STC casing at \pm 200'.

Lead: 75 sx Type III cement (or equivelent) containing ½ pps celloflake, 2% CaCl₂ (mixed at 14.6 ppg, 1.39 ft³/sk, 6.67 gal wtr/sk).

Total slurry volume is 104.25 ft³, 250% excess of calculated annular volume required to circulate cement to surface.

B. Production: 4-1/2", 10.5#, J-55, STC casing at $\pm 2,400$ '.

Lead: 125* sx of Type III cement containing 8% gel, 1/4 pps Celloflake & 2%

Phenoseal (mixed at 11.4 ppg, 3.03 ft³/sk, 18.51 gal wtr/sk).

Tail: 70 sx Type III cement containing 1% CaCl2, 1/4 pps Celloflake & 2% Phenoseal

(mixed at 14.5 ppg, 1.41 ft3/sk, 6.72 gal wtr/sx).

Total estimated slurry volume is 477 ${\rm ft}^3$, $\pm 100\%$ excess of calculated annular volume required to circulate cement to surface.

* Actual cement volumes will be determined using log caliper volume plus 40% excess.

5. DRILLING HAZARDS:

- H₂S or other Poisonous Gases: No formations known to contain H₂S or any other poisonous gases will be penetrated with this wellbore.
- Abnormal Pressures: No overpressured zones are known to exist or are anticipated to be encountered during the drilling of this well.
- Lost Circulation: Seepage and/or lost circulation may be encountered below surface casing and can be controlled with conventional lost circulation materials added to the mud system.

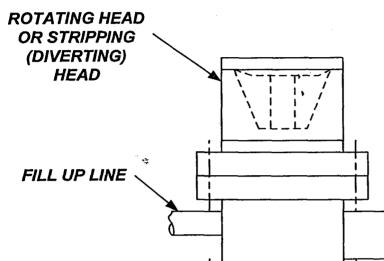
6. **LOGGING PROGRAM:**

Array Induction/DFL/GR/SP/Cal DSN/Spectral Density/GR/Cal/Pe

TD to bottom of surf csg. TD to bottom of surf csg.

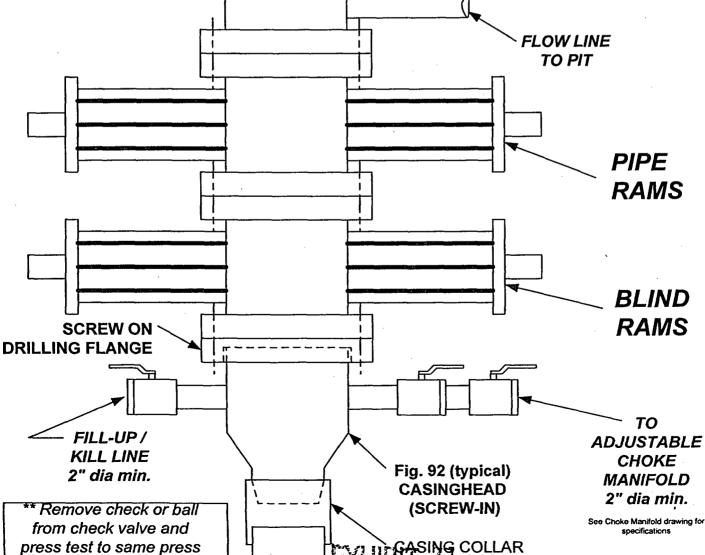


BOP SCEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE



20 ROP's **

- 1. Test BOP after installation:
 - Pressure test BOP to 200-300 psig (low pressure) for 5 min.
 - Test BOP to Working Press or to 70% internal yield of surf csg (10 min).
- 2. Test operation of (both) rams on every trip.
- 3. Check and record Accumulator pressure on every tour.
- 4. Re-pressure test BOP stack after changing out rams.
- 5. Have kelly cock valve with handle available.
- 6. Have safety valve and subs to fit all sizes of drill string.



(LOØKING UP)