Form 316@-3 (April 2004)	DEPAI BUREA		FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007					
\mathcal{A}	APPLICATION F	1	5. Lease Serial No. SF-079232					
la. Type of Work	x DRILL	☐ REEN	ΓER	2005 JRN 5 FA	1		ee or Tribe Name	
Vo. Type of Well	Oil Well	Gas Well Other	x Si	ngle Zone Multiple Zone	7.1		reement Name and No.	
2. Name of Operator XTO Energy In				070 FARMINOLI		Lease Name ar Bolack C		
3a. Address 2700 Farmingt	on Ave., Bldg. K	. Ste 1 Farmington	a, NM	3b. Phone No. (include area cod		API Well No	4532812	
At surface 669	5' FSL x 1305' F	and in accordance with any S L in Sec 31 T27N,	-	MAY 20	11.	Basin Fru Sec., T., R., M	or Exploratory itland Coal i., or Blk. and Survey or Area	
'At proposed prod.	- Saute		<u></u>	O, 34, 5005	G G	Sec 31, T	27N, R8W	
	nd direction from nearest	•	(C) 100mbes	eld, NM Post Office	:	County or Pari n <i>J</i>uan	ish 13. State	
15. Distance from pro		les Southeast OI b		No. of Acres in lease	7	g Unit dedicat		
location to neares property or lease (Also to nearest d		665'		2552.22	,		320 E/2	
18. Distance from pro	oposed location* rilling, completed,		19.	Proposed Depth	20.BLM/	BIA Bond No	o, on file	
applied for, on the	is lease. ft.	30'		2300'				
21. Elevations (Show	whether DF, KDB, RT, G	L, etc.	22.	Approximate date work will star	23. Estimated	duration		
6128' Gro	und Elevation			winter 2005 2 weeks				
				achments				
The following, comple	eted in accordance with the	ne requirements of Onshore (Oil and G	as Order No. 1, shall be attached	to this for	m:		
 A Drilling Plan A Surface Use Pl 	d by a registered surveyor an (if the location is on N ed with the appropriate F	ational Forest System Lands,	the	Bond to cover the operation litem 20 above). Operator certification. Such other site specific into authorized officer.		•	•	
25. Signuature 1	7/		Name	(Printed/Typed)		1 г	Date	
ZS. Signilarity Kul	2 Vaugha	\sim	1	Vaughan		12/30/04		
Title								
Approved by (Signaut	Compliance Tech		Name	(Printed/Typed)			Date	
	Marke	Car		,		5-13-05		
Title	SFM		Office	FFA				
conduct operations th		ify that the applicant holds l	egal or e	quitable title to those rights in t	the subject	lease which v	would entitle the applicant to	
		C. Section 1212, make it a contract or representations as to a		any person knowlingly and willfur within its jurisdiction.	lly to make	e to any depart	ment or agency of the United	
*(Instructions on pag	e 21							
inni acnora on pag	V							
ORILLING OPERATI ON S SUBJECT TO COMPLIAN GENERAL REQUIREME •	NCE WITH ATTACHED			/RA				
This action is subject to	o technical and							

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

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

State of New Mexico Energy, Minerale & Natural Resources Department

Form C-102 Revised June 10, 2003

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

Submit to Appropriate District Office

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

誓.

State Lease - 4 Copies

OIL CONSERVATION DIMINION 1220 South St. Francis Dr. Santa Fe, NM 87505

Fee Lease - 3 Copies

DISTRICT IV 1220 South St. Francis Dr., Sento Fe, NM 87505

RECEIVED

070 FARMHISTON DE AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30.04	Nurnber 5	2812	_	Pool Code	eg .	*Pool Name (*#\(\)						
*Property Co			³ Property Name									
2809	6		BOLACK C 25									
OGRID No					*Operator I	Name			• Elevation			
767 C	67		XTO ENERGY INC. 6128									
Anna Anna Anna Anna Anna Anna Anna Anna					10 Surface	Location	- Physical Company (1994)					
UR. or lot no.	Section	Township	Ronge	Lot lain	Feet from the	North/South line	Feet from the	Lost/West Ine	County			
O	31	27-N	8-W		6 6 5	SOUTH	1305	EAST	SAN JUAN			
			" Boti	om Hole	Location	lf Different Fr	om Surface					
UL or lot no.	Section	Township	Ronge	Lo1 idn	Feet from the	North/South line	Feet from the	East/West line	County			
12 Dedicated Acre	<u> </u>	ita e	Joint or	n13)	** Consolidation C	ode	** Crder No.	May 10 at 10				
77.1		79	1 1	-			j					

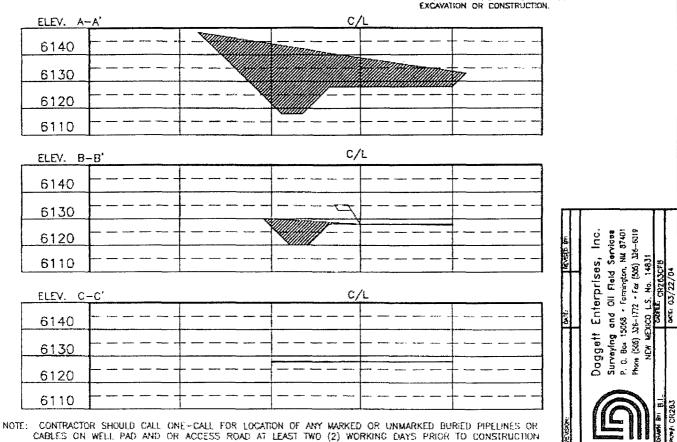
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

and the state of t	OR A NON-STAN	DARD UNIT HAS B	EEN APPROVED BY	THE DIVISION
LOT 1		TATE 16 17 18 70		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief
LOT 2		MAY 2005	OTR. CORNER FD 1/4° BC B.CM. 1955	Signature JEANSE IS VILLEAU Printed Name Distriction Researching Title As a Fried
LOT 3		LAT: 36'31'31" N. LONG: 107'43'04" W	(42 OAN) 30-51-01 E	18 SURVEYOR CERTIFICATION I hereby cartify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to breastly of the belief. Dots to be the survey of the content of the same is true.
LOT 4	OTR. CORNER FD 3 1/4" BC E.L.M. 1955	N .88~50~15 W 2571.4	1305 SEC. CORNER FD 3 1/4 BC B.L.M. 1955	14831 Certificate Number

Submit 3 Copies To Appropriate District Office District 1	State of New Me Energy, Minerals and Natur					Form C-103 May 27, 2004	
1625 N. French Dr., Hobbs, NM 87240 District II 1301 W. Grand Ave., Artesia, NM 88210 District III	OIL CONSERVATION 1220 South St. Fra		WELL API NO. 5. Indicate Type of Lease				
1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Fe, NM 8'	STA 6. State Oi		FEE Lease No.			
			SF-0792				
SUNDRY NOTIC (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR, USE "APPLIC (PROPOSALS.)		OR PLUG BACK TO A	7. Lease N Bolack C	ame or U	nit Agreem	ent Name:	
1. Type of Well: Oil Well Gas Well X	Other		8. Well Nu	mber #25	.		
2. Name of Operator			9. OGRID				
XTO Energy Inc.			10 7	1670			
3. Address of Operator 2700 Farmington Ave., Bldg	K Ste 1 Farmington NN	# 87401	10. Pooln:			ľ	
4. Well Location	. A. Ste I Faritington, N	1 8/401	DASIN FAL	TITIME	COMI		
Unit LetterO:	feet from the SOU	Iine and	1305	feet from	the E	AST line	
Section 31		Range 8w	NMPM	NMPM	County	San Juan	
	11. Elevation (Show whether 1	DR, RKB, RT, GR, et 28' GL	c.)				
Pit or Below-grade Tank Application		18. GL		11 10 10 10 10 10 10 10 10 10 10 10 10 1		स्त्रीत्वः क्षत्रीयः कार्यक्षः कृष्यक्षः स्त्रीति । -	
Pit typeDRIIL_ Depth to Groundwater .		water well 1 MILE Dis	stance from nea	rest surfac	e water 1 M	ILE	
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume_						
12. Check A NOTICE OF INTE PERFORM REMEDIAL WORK TEMPORARILY ABANDON	Appropriate Box to Indicate ENTION TO: PLUG AND ABANDON CHANGE PLANS	1	SEQUEN		ORT OF	G CASING	
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST AND			ABANDO		
OTHER: RESERVE PIT	x	OTHER:					
13. Describe proposed or completed of starting any proposed work). or recompletion.							
	See Attac	chment					
I hereby certify that the information al	have is true and complete to the	heat of my knowledge	a and haliaf	I fourth on a	outify that an	w nit on holow	
grade tank has been/will be constructed or c	losed according to NMOCD guideline	s , a general permit					
SIGNATURE KULA VO	ushan TIT	LE Regulatory C	ompliance '	Tech]	DATE	12/30/04	
Type or print name Kyla Vaughan	E-r	nail address: Ky	la_Vaughan	Teleph	ione No. 50	05-324-1090	
For State Use Only	/	CEPUTY OIL & GAS			MAY I	© 2005	
APPROVED BY	TIT	TLE & GAS	IMSPECTOR	_	ATE		
Conditions of Approval, if any:	,						

EXHIBIT E

XTO ENERGY INC. LAT. = 36"31"31" N. BOLACK C #25, 665' FSL 1305' FEL LONG. = 107"43'04" SECTION 31, T27N, R8W, N.M.P.M., SAN JUAN COUNTY, N. M. NAD 27 GROUND ELEVATION: 6128', DATE: MARCH 16, 2004 CONSTRUCTION ZONE B C 2.0 (5) A 6 C 16.20 0.3 ó Ĉ. LAYDOWN S 58'17' W 0 4 Wellhead to Back Wellhead to Front F 0.1 C 10.9 REAR 90' 90 C 0.0 RESERVE 8 Wellheed to 00 EXISTING NO NEW ACCESS C 5.9 0.2 (3) A F 0.4 C, 2 В, $(240' \times 280') = 1.54' ACRES$ 140' x 180' RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT. DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTLITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO NOTE: EXCAVATION OR CONSTRUCTION. Ċ. ELEV. A-A 6140 6130



BOLACK C #25

XTO Energy Inc. proposes to install a lined, earther reserve pit on location for drilling. The pit will be removed from location in accordance with New Mexico Oil Conservation division guidelines when work is completed.

XTO ENERGY INC.

DRILLING PROCEDURE Bolack "C" #25 Basin Fruitland Coal

December 30, 2004

Location: 665' FSL & 1,305' FEL, Sec 31, T27N, R08E County: San Juan State: New Mexico

PROJECTED TOTAL DEPTH: 2,300' OBJECTIVE: Fruitland Coal GR ELEV: 6,128'

1. MUD PROGRAM:

INTERVAL	0'-225'	225'-TD
HOLE SIZE	12-1/4"	7-7/8"
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: 8-5/8" casing to be set at ± 225 ' in 8.8 ppg mud in 12-1/4" open hole.

					Coll	Burst		_				
1		Wt			Rating	Rating	Jt Str	ID	DD	SF	SF	SF
Interval	Length	(ppf)	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Tension
0'-225'	225'	24#	J-55	STC	1,370	2,950	244	8.097	7.972	14.64	31.52	50.8

Optimum makeup torque for 8-5/8" 24#, J-55, STC casing is **2,440 ft-lbs** (Min - 1,830 ft-lbs, Max - 3,050 ft-lbs).

Production Casing: 5-1/2" casing to be set at $\pm 2,300$ ' in 9.0 ppg mud in a 7-7/8" open hole.

					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	Tension
0'-TD	2,300'	15.5#	J-55	STC	4,040	4,810	222 20	4.950	4.825	3.52	4.19	5.84

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 8-5/8", 20# casing is: 0.0636 bbl/ft Capacity of 5-1/2", 15.5# casing is: 0.0238 bbl/ft

3. WELLHEAD:

Casinghead: Larkin Fig 92 (or equivalent) 2,000 psig WP (4,000 psig test) with 8-5/8", 8rd pin on

bottom and 10-3/4" API Modified 8rd thread on top.

Tubinghead: Larkin Model 612 (or equivalent) 3,000 psig WP (6,000 psig test) with 5-1/2", 8rd

bottom thread and 8-5/8" 8rd API Modified top body thread, 4.950" minimum bore.



4. **CEMENT PROGRAM:**

A. Surface: 8-5/8", 24#, J-55, STC casing at \pm 225'.

Lead: 150 sx Type III cement (or equivelent) containing ¼ 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: 5-1/2", 15.5#, J-55, STC casing at $\pm 2,300$ '.

<u>Lead:</u> ±200* sx of Type III cement containing 8% gel, 1/4 pps Celloflake & 2% Phenoseal (mixed at 11.9 ppg, 2.54 ft³/sk, 15.00 gal wtr/sk).

Tail: 100 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 649 $\rm ft^3$, $\pm 40\%$ 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.



7. **FORMATION TOPS:**

Formation	Subsea Depth	Well Depth
Ojo Alamo SS	+4979'	1161'
Kirtland Shale	+4869'	1271'
Fruitland Fm	+4520'	1620'
Lower Fruitland Coal	+4219'	1921'
Pictured Cliffs SS	+4163'	1977'
Lewis Shale	+3978'	2162'
T.D.	+3840'	±2300°

Note: These depths, indicated above, are approximate. Actual depths of the formation tops will be determined from the well logs.

Maximum anticipated bottomhole pressure encountered during drilling should not exceed 0.35-0.43 psi/ft.

8. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
Dennis Elrod	Drilling Foreman	505-324-1090 505-486-6460 cellular	505-326-2024
Jeff Patton	Drilling Engineer	505-324-1090 505-330-2957 cellular	505-632-7882
Reed Meek	Project Geologist	817-885-2191	432-687-0615
Robin Tracy	Reservoir Engineer	817-885-2422	

9. **SPECIAL INSTRUCTIONS:**

A. Daily drilling reports should be called in to the San Juan District office at (505) 324-1090 or faxed to (505) 564-6700 by 8:00 a.m.

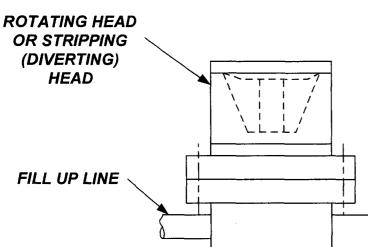
B. Deviation:

Surface Hole: Maximum of 1° and not more than 1° change per 100'. Production Hole: Maximum of 4° and not more than 1° change per 100'.

Note: Maximum distance between surveys is 500'.

- C. NU & Pressure Test BOP, choke manifold & surface casing to 250/800 psig for 30 minutes. Report the pressure test on the IADC form as required.
- D. Drill out below surface casing after WOC 12 hours. Drill cement and float equipment with minimum weight and RPM until drill collars are below the bottom of the surface casing. Keep location clean and water usage to a minimum.
- E. Check BOP blind rams each trip and pipe rams each day. Strap the pipe on the last bit trip prior to reaching TD, or on the TOH to log.

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



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.
- 5. Have kelly cock valve with handle available.
- 6. Have safety valve and subs to fit all sizes of

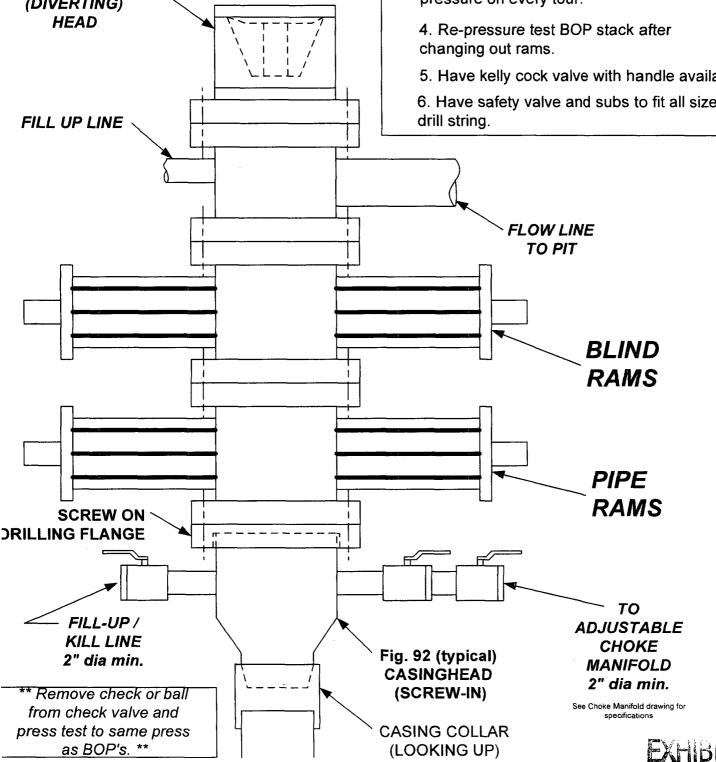


EXHIBIT F

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

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

TESTING PROCEDURE

