Form 3160-3 (July 1992)

UNITED STATES

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

FORM APPROVED OMB NO. 1004-0136 Expires: February 28, 1995

	DEPARTMEN	5. LEASE DESIGNATION AND SERIAL NO. SF - 081239								
	-	LAND MANA				6. IF INDIAN, ALLOTTEE C	OR TRIBE NAME			
1a. TYPE OF WORK	PLICATION FOR PE	HMII IOD	HILL	OR DEEPEN		7. UNIT AGREEMENT NAM	ME			
	DRILL X	DEEPEN					22/02			
b. TYPE OF WELL	GAS X		;	SINGLE MULTI	PLE X	8. FARM OR LEASE NAME				
WELL L				ZONE ZONE		LC Kelly	#12			
XTO Energy Inc	.					9. API WELL NO.				
3. ADDRESS AND TELEP				07404		30-045-				
	on Ave., Bldg. K. Ste (Report location clearly and in acco					10. FIELD AND POOL, OR Basin Fruitla	WILDCAT			
At surface		•	ie require	mens.)		Aztec Picture				
1145' FNL & 1, At proposed prod. ze	,000'FEL in Sec 5,	T30N, R12W				11. SEC., T., R., M., OR BLK AND SURVEY OR AREA	•			
same as above						A Sec 5, T30N,	R12W			
	AND DIRECTION FROM NEAREST TO					12. COUNTY OR PARISH	13. STATE			
9 air miles no	orthwest of the Flora	<u>Vista Post O</u>		OF ACRES PARENCE	Liz. No. or	San Juan ACRES ASSIGNED	<u>NM</u>			
LOCATION TO NEAL	REST FAIRE FE			OF ACRES IN LEASE	TO THIS	WFI I	/ 147 CO DC			
(Also to nearest drl 18. DISTANCE FROM PR	g. unit line. if any) 1,000			,920 POSED DEPTH	20 POTAR	YOR CABLE TOOLS	7 147.62 PC			
	DRILLING, COMPLETED,			75'		.475' with Rotary	Zools			
	w whether DF,RT, GR, etc.)		<u> </u>		1 0 2	22. APPROX. DATE WOI				
5,907' Ground	Level					Fall 2002				
23.		PROPOSED CASIN	G AND C	EMENTING PROGRAM						
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOO	OT	SETTING DEPTH		QUANTITY OF CE				
8-3/4"	7", J-55	20.0#/f	20.0#/ft +-200'			75 sx Type III or Cl B cement				
6-1/4"	4-1/2", J-55	10.5#/f	<u>t</u>	+-2,475'	250 s	<u>x Premium Lite co</u>	ement			
LLING OPERATIONS	AUTHORIZED ARE	1		ĮJI.	uccantartev	ubject to technical and new pursuant to 43 CFR a	3165. 3			
Surface Us Note: XTO XTO well to	CE WITH ATTACHED	orilling Programme and within Translations and measures	mingle the s	e the above mentional rease.	as desco	rsuant to 43 CFR 3 rsuant to 43 CFR 3 rsuant to 43 CFR 3 165.4 cribed in the end	closed			
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Title 18 U.S.C. Section 1001, makes it a crime for any personknowingly and willfully to make to any department agency of the United States any false, of fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

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

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

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Co	T	 		om Hole					1 c		Y 2	
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DISTRICT 1 1625 N. French Dr., Hobbs. N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

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

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

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease — 4 Copies Fee Lease — 3 Copies

☐ AMENDED REPORT

Certificate Number

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

		W	ELL L	OCATIO	N AND AC	REAGE DEDI	CATION PL	.AT				
30-00	Number	2/1/3		² Pool Code 7162	9		Pool Name) <i>(DAL</i>			
⁴ Property Cod	de			<u> </u>	Property N		10110 11011	23 11010		ll Number		
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XTO ENERGY INC.

DRILLING PROCEDURE LC KELLY #12

Aztec Pictured Cliffs / Basin Fruitland Coal May 23, 2002

Location: 1,145' FNL & 1,000' FEL, Sec 5, T30N, R12W County: San Juan State: New Mexico

PROJECTED TOTAL DEPTH: 2,475'

OBJECTIVE: Pictured Cliffs / Fruitland Coal

GR ELEV: 5,907'

1. **MUD PROGRAM:**

INTERVAL	0'-200'	200'-TD
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. <u>CASING PROGRAM:</u>

Surface Casing: 7" casing to be set at ± 200 ' 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	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 $\pm 2,475$ ' in 8.8 ppg mud.

					Coll	Burst				i		
		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	2,475'	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 2,475'.

Lead: 250* sx of 35:65 Poz/Type III cement containing 10 PPS CSE, 2% CaCl2, ¼ PPS Celloflake, 0.65% bwoc FL-62, 6% gel (mixed at 12.5 ppg, 2.07 ft³/sk, 10.95 gal wtr/sk).

Total estimated slurry volume is 517 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 30% excess.

5. DRILLING HAZARDS:

- H_2S or other Poisonous Gases: No formations known to contain H_2S 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 1000'

No mud logger to be used on this well.



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

See Choke Manifold drawing for

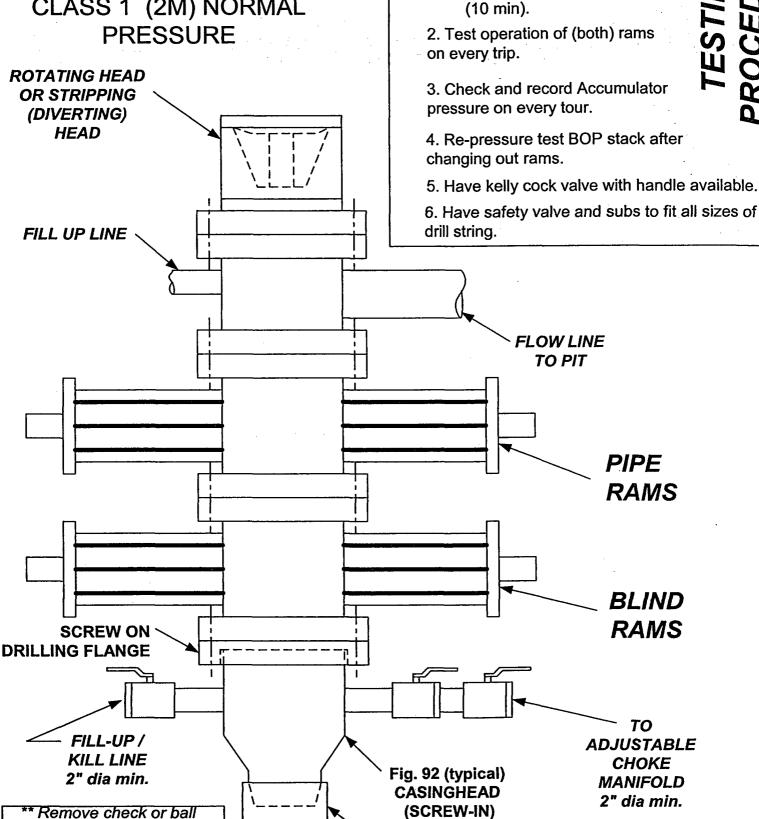
specifications

Cross Timbers Operating Company

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

from check valve and

press test to same press



CASING COLLAR

(LOOKING UP)