Form 3160-3 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

ocun ION9'07

DIV.

APPLICATION F		se Serial No. '-081239			
a. Type of Work DRILL		dian, Allotee or			
Type of Work DRILL		_	DIS		
. Type of Well Oil Well			11/5 17 Linit		ent Name and No.
2. On wen	Gas Well Other	Single Zone Multiple Zone	N/	_	VIII 1444190 4244 140.
Name of Operator	-,	OTO FARMI	NOT R Lea	se Name and We	il No.
TO Energy Inc.			ŧ	Kelly #1F	
Address		3b. Phone No. (include area co		Well No.	· · · · · · · · · · · · · · · · · · ·
2700 Farmington Ave., Bldg. K	. Ste 1 Farmington	n, NM 505-324-1090	3,	0-045	- 33463
Location of Well (Report location clearly a	nd in accordance with any S	State equirements)*		d and Pool, or E	
At surface 2340' FNL x 675' FWL	in Sec 5. T30N. R	127		sin Dakota	·
			11. Sec	., T., R., M., or	Blk. and Survey or A
At proposed prod. zone			/F:) Sec 5, T3	RON R12W
Distance in miles and direction from nearest	own or nost office*	· · · · · · · · · · · · · · · · · · ·		unty or Parish	13. State
•	•	ists Missats	l.	•	
	3 North of Flora V	ista, NM post office 16. No. of Acres in lease	San d		NM
Distance from proposed* location to nearest		16. No. of Acres in lease	17. Spacing U	init dedicated to	tnis well
property or lease line, ft.	675'	0440		-	
(Also to nearest drg. unit line, if any)		2410.24	286.9	人w/2	
Distance from proposed location*		19. Proposed Depth	20. BLM/BLA	A Bond No. on f	ile
to pearest well, drilling, completed,				val	 -
applied for, on this lease, ft.	00'	7176'		UIB-000	130
		1110		OTP-000	
Elevations (Show whether DF, KDB, RT, G	, etc.	22. Approximate date work will star	t* 23	3. Estimated dura	tion
6004' Ground Elevation		winter 2005	1	2	weeks
A Surface Use Plan (if the location is on Na SUPO shall be filed with the appropriate Fo	•	the 5. Operator certification. 6. Such other site specific in authorized officer.	formation and/	or plans as may	be required by the
s:	1			Ind	
. Sigmuature	1	Name (Printed/Typed)		Date	
Tyla Vaugh	an	Kyla Vaughan			11/22/05
Regulatory Compliance Tech					
proved by (Signature)		Name (Printed/Typed)	 	Date	
2/1	4		,	, Date	1-1-
/ Jayne weens	nd	Wayne Town	send	/_	17/07
le Afin, AFI	n	Office F		•	•
oplication approval does not warrant or certi	fy that the applicant holds l	egal or equitable title to those rights in t	he subject leas	se which would	entitle the applicant
nduct operations thereon. Inditions of approval, if any, are attached.		•	·		••
tle 18 U.S.C. Section 1001 and Title 43 U.S.C ates any false, fictitious or fraudulent statemen	Section 1212, make it a cr its or representations as to a	rime for any person knowlingly and willfurny matter within its jurisdiction.	lly to make to	any department	or agency of the Uni
7					
Instructions on page 2)					
		1/			
				-	
				N	
				M	

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

NMOCD 1/10/07

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

DISTRICT I LESS N. Franch Cr., Hobbs, N.M. &

State of New Mexico

Form C-102 Revised June 10, 2003

OIL CONSERVATION DIVISION

Submit to Appropriate District Office State Lease — 4 Copies

1220 South St. Francis Dr.
Santa Fe. NM 87505 005 NOV 23 AM 10 Stee Lease - 3 Copies TI AMENDED REPORT DISTRICT IV 1220 South St. Francis Dr., Santa Fe, NM 87505 RECEIVED RCVD JAN9'07 WELL LOCATION AND ACREAGE DEDICATION PLAT nn cons. DIV. 30-045-33463 asy MST. 3 Hell Harrison Property Code 22620 L.C. KELLY 1F *Operator Name Devet OGRID No. 538C 6004 XTO ENERGY INC. 10 Surface Location Food / Bred Bre Ut or let no. Lot No Food Gora Ba County SAN JUAN NORTH 12-W 2340 675 WEST 30-N E "Bottom Hole Location If Different From Surface Feet from the theth South Bar Sout from the East/West the UL or led no fed bis County *Order No. Consultation Code 285.92 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION N 88-51-01 E 2623.2' (M) QUARTER COR. FD 3 1/4" BC 1951 BLM 883 OPERATOR CERTIFICATION 829 erstry earthy that the information contained hards in a and complete to the best of my translades and belief LOT 5 LOT 6 LOT 7 LOT 8 53 2355.8° **LOT 12 LOT 11** CQT 10 LOT 9 LAT: 36'50'31.9" N. (NAD 27) LONG: 108'07'35.8" W. (NAD 27) latory compliance Tech 675 CHARTER COR. FD 3 1/4" ESC 1976 BLM SURVEYOR CERTIFICATION LOT 13 LOT 15 LOT 16 LOT 14 other say comparabolism, and the ct to the best of my belief. MARCH **LOT 20** DT 17 **ER 105 LOT 19**

Submit 3 Copies To Appropriate District Office State of New Energy, Minerals and N		Form C-103 May 27, 2004
District I 1625 N. French Dr., Hobbs, NM 87240		WELL API NO. 30-045-33463
District II OIL CONSERVAT	ION DIVISION	30-045-33463
1301 W. Grand Ave., Artesia, NM 88210 District III 1220 South St.	Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NI	M 87505	STATE FEE
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		6. State Oil & Gas Lease No. sF-081239
SUNDRY NOTICES AND REPORTS ON I (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEP DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM	EN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name: LC Kelly
PROPOSALS.)		8. Well Number
1. Type of Well: Oil Well Gas Well X Other		#1F
2. Name of Operator		9. OGRID Number
XIO Energy Inc.		167067
3. Address of Operator		10. Pool name or Wildcat
2700 Farmington Ave., Bldg. K. Ste 1 Farmington	, NM 87401	Basin Dakota
4. Well Location		
Unit Letter E: 2340 feet from the	North line and	675 feet from the West line
Section 5 Township 30N	Range 12W	NMPM NMPM County SAN JUAN
11. Elevation (Show whet	ther DR, RKB, RT, GR, el Ground Elevation	tc.)
Pit or Below-grade Tank Application X or Closure		>200
Pit typeDRILL_ Depth to Groundwater >100 _ Distance from nearest	fresh water well >1000 Di	stance from nearest surface water \$\frac{1000}{2000}
	ume 8000 bbls; Constructi	
12 Charle Appropriate Day to India	note Netura of Netica	Papert or Other Date
12. Check Appropriate Box to India		•
NOTICE OF INTENTION TO:		SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	COMMENCE DRILL	ABANDONMENT
PULL OR ALTER CASING L. MULTIPLE COMPLETION	CASING TEST AND CEMENT JOB	
OTHER: PIT	OTHER:	
13. Describe proposed or completed operations. (Clearly state a	 	e pertinent dates including estimated date
of starting any proposed work). SEE RULE 1103. For Mul or recompletion.		
<u> </u>		
XTO Energy intends to install a pit on location	for drilling.	
I hereby certify that the information above is true and complete to grade tank has been/will be constructed by closed according to NMOCD guid		
SIGNATURE KULA VAUSHAM	TITIF Regulatory C	compliance Tech DATE 11/22/05
		la vaughan@xtoenergy.com
Type or print name Ryla Vanghan	-	Telephone No. 505-564-6726
For State Use Only	DEFUTY OF & BAS INSP	ECTOR, DIST. 49 JAN 0 9 2007
APPROVED BY	TITLE	DATE JAN U 9 ZUUT
Conditions of Approval, if any:		

EXHIBIT D

XTO ENERGY INC. LAT. = 36'50'31.9" N. 2340' FNL L.C. KELLY No. 1F. 675' FWL LONG. = 108'07'35.8" SECTION 5, T30N, R12W, N.M.P.M., SAN JUAN COUNTY, N. M. NAD 27 GROUND ELEVATION: 6004'. **DATE: MARCH 2, 2005** CONSTRUCTION ZONE F 5.5 c 6 (5) A F 6.5 (INSTALL DRAIN PIPE ON F 0.3 FRUITLAND FORMATIONS ONLY 18 BLOW PIT 8' DEEP 10' DEEP 15 LAYDOWN S 09'30' W 1 35, Wellhead to Front C 5.6 Wellhead to Back F 0.1 120 REAR 120 C 0.0 NEW ACCESS 1895' ± 0 0 2 12.3 C 6.8 3) A C 7.8 В, $(305' \times 340') = 2.38 \text{ ACRES}$ 205' X 240' 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 UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION. NOTE: C/IELEV. A-A 6020 6010 6000 5990 C/L ELEV. B-B' 6020 6010 6000 5990 C/L ELEV. C-C ₹ 6020 (SOS) 6010 MANUAL CONTRACTOR OF THE PARTY 6000

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION

5990

XTO ENERGY INC.

LC Kelly #1F APD Data November 22, 2005

Location: 2340' FNL x 675' FWL Sec 5, T30N, R12W

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: 7176'__

OBJECTIVE: <u>Basin Dakota</u>

APPROX GR ELEV: 6004'

Est KB ELEV: <u>6016' (12' AGL)</u>

1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 7176
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	Cplg	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 (±7176') in 7-7/8" hole filled with 9.20 ppg mud.

- 1													
						Coll	Burst						
						Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
	Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
		"				***							
	0'-7176	7176'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.18	1.40	1.82

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

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 ft³/sk, & 6.70 gal wtr/sk.

Total slurry volume is 297 ft³, 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 ± 7176 ' in 7.875" hole. DV Tool set $(a) \pm 4000$ '

1st Stage

LEAD:

±268 sx of Premium Lite HS (Type III/Poz/Gel) with 2% salt, 1/4 pps cello, 0.2% dispersant, 0.5% fluid loss & 2% LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

150 sx Type III with 5% bonding additive, 1/4 pps cello, 2% LCM, 0.3% dispersant & 0.2% fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

2nd Stage

LEAD:

 ± 331 sx of Type III with 8% gel, 1/4 pps cello & 2% LCM mixed at 11.9 ppg, 2.54 ft³/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 1750 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: 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 (7176') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (7176') to 3,000'.

6. FORMATION TOPS:

Est. KB Elevation: 6016'

FORMATION	Sub-Sea Elev.	WELL DEPTH	FORMATION	Sub-Sea Elev.	WELL DEPTH
Ojo Alamo SS	5300	716	Gallup Ss	152	5,864
Kirtland Shale	5214	802	Greenhorn Ls	-610	6,626
Farmington SS	5090	926	Graneros Sh	-664	6,680
Fruitland Formation	4201	1,815	1 ST Dakota Ss*	-733	6,749
Lower Fruitland Coal	4001	2,015	2 ND Dakota Ss	N/A	
Pictured Cliffs SS	3801	2,215	3 RD Dakota Ss*	-776	6,792
Lewis Shale	3650	2,366	4 TH Dakota Ss	N/A	
Chacra SS**	2728	3,288	5 TH Dakota Ss**	-822	6,838
Cliffhouse SS	2156	3,860	6 TH Dakota Ss**	-856	6,872
Menefee*	2008	4,008	Burro Canyon Ss**	-920	6,936
Point Lookout SS*	1432	4,584	Morrison Fm**	-960	6,976
Mancos Shale	1232	4,784	Total Depth	-1160	7,176

^{*} Primary Objective

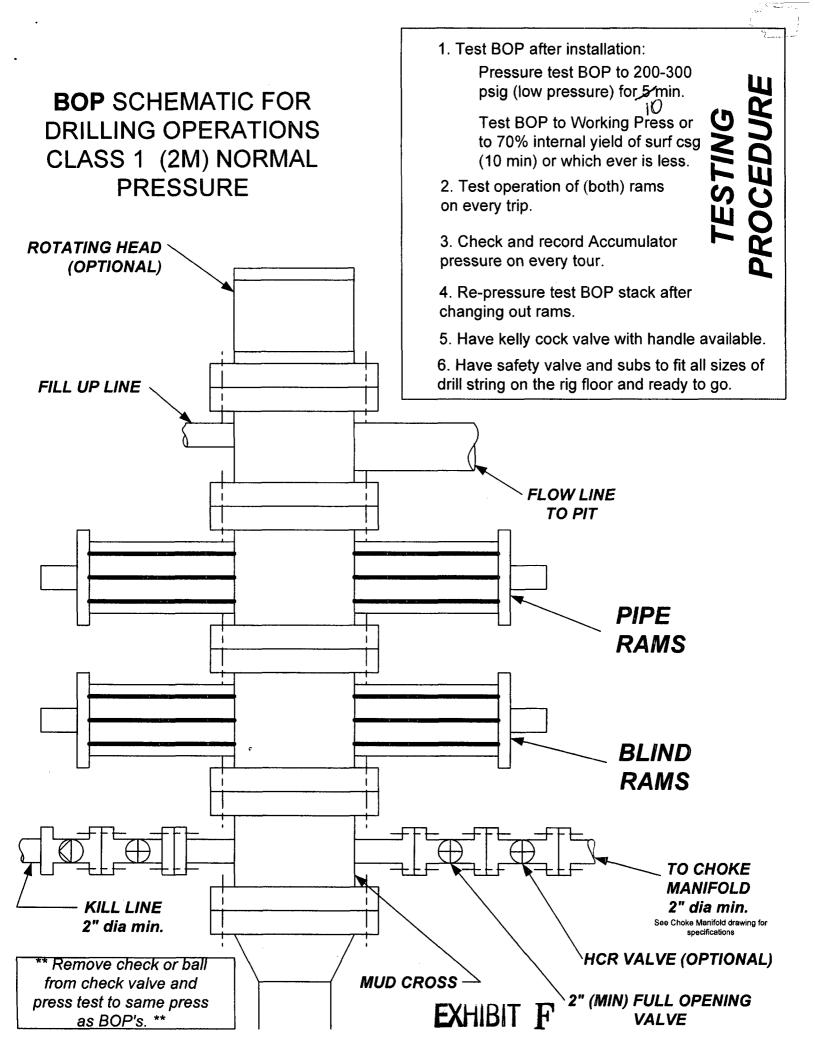
7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
Jeff Patton	Drilling Engineer	505-324-1090	505-632-7882
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Dennis Elrod	Drilling foreman	505-486-6460	505-326-2024
Red Meek	Project Geologist	817-885-2800	817-427-2475
Barry Voigt	Reservoir Engineer	817-885-2462	817-540-2092

JWP 11/22/05

^{**} Secondary Objective

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



CHOKE MANIFOLD SCHEMATIC 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

