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

•	APPLICAT	ION FOR PER	MIT TO DRILL	OR REENTER	5.	Lease Serial No.		
la. Type of Work	x D	RILL	☐ REENTE	R HIL 10 CM A FU		If Indian, Allotee or	Tribe Name	
lb. Type of Well	Oil Well	Gas Well		ĴĴĴ JUL 18 AM 8 54 x] Single Zone	17	N/A Unit or CA Agreem	ent Name and No.	
		XI Cas Well		Single Zone Multiple Zon		N/A		
2. Name of Operator				OTO FARMINGTON 114	8.	Lease Name and W		
Sa. Address	<u> </u>			3b. Phone No. (include area co	ode)	NEW MEXICO F.	EDERAL N #1F	
2700 Farmingto	n Ave., Blo	ig. K. Ste 1	Farmington,	NM 505-324-1090	۶.	730-045.	-33244	
1. Location of Well (A	Report location c	learly and in acco	ordance with any Sta	te equirements)*	10.	Field and Pool, or I		
At surface 1980	FSL x 25 '(90' FEL in	Sec 17, T30N,	R12W	11	Sec. T. R. M. or	Blk. and Survey or Ar	
At proposed prod. ze	one g	SAME			#		•	
4. Distance in miles and			ost office*		12.	S17, T30N, 1 County or Parish	13. State	
		-		mington, NM Post Office	ļ	n Juan	NM	
5. Distance from prop		A HOLLO HOL	CALCASO OL TAL	16. No. of Acres in lease		ng Unit dedicated to		
location to nearest property or lease lin (Also to nearest drg		1980	•	323.74		S 28/2 32	3.74	
Distance from prop		<u></u>		19. Proposed Depth		/BIA Bond No. on		
to nearest well, dril	ing, completed,				İ			
applied for, on this	lease, II.	1891'		7000'				
21. Elevations (Show wh	nether DF, KDB	RT, GL, etc.		22. Approximate date work will sta	art*	23. Estimated dura	ation	
5846' Groun	d Elevatio	n		fall 2005		2 weeks		
 Well plat certified b A Drilling Plan A Surface Use Plan SUPO shall be filed 	(if the location	is on National For		4. Bond to cover the opera Item 20 above). 5. Operator certification. 6. Such other site specific is authorized officer.		·		
25. Signuature	1	/ 1	li	Name (Printed/Typed)		Date		
ď K	ula 1	augh		Kyla Vauchan			07/15/05	
Fitle (0.725705	
Regulatory C Approved by (Signautre		recn	17	Name (Printed/Typed)		Date		
1/10	´		7 1	11	y S C s	ا م	9/30/05	
Title	e wo	- reen		Office	74 5 3	8 3	7769-0	
De	Lin 1	4Em	·	FFO				
conduct operations ther	eon.		e applicant holds leg	al or equitable title to those rights in	the subject	lease which would	entitle the applicant to	
Conditions of approval,	if any, are attacl	ned.						
Title 18 U.S.C. Section States any false, fictition	1001 and Title 4 us or fraudulent s	3 U.S.C. Section statements or repr	1212, make it a crimesentations as to any	ne for any person knowlingly and willing matter within its jurisdiction.	fully to mak	e to any department	or agency of the Unite	
(Instructions on page	DAILLING OF ER ZUBUFOT TO OC	ATIONS AUTHOR	AZED ARE	This action is subject to	technical a	nd		
23456	GENERAL REQ	UIREMENTS"		procedural review pursu and appeal pursuant to	iant to 43 C	FR 3165.3		
S OF COENE	STITE OF		ΔP	11		MM		

MICOCO

DESTRICT | 1825 N. Franch Cr., Hobba, N.M. \$8240

DISTRICT II 1301 M. Grand Ave., Artesia, N.M. 68210

DISTRICT II 1000 Rio Brosco Rd., Astoc, N.M. 87410

DISTRICT IV
1288 South St. Francis Dr., Santa Fa. NW 87505

State of New Mexico Energy, Minerals & Hatural Resources Department

OIL CONSERVATION DIVISION 9 59
1220 South St. Francis Dr.
Sonto Fe, NM 87505

Revised June 10, 2003
Submit to Appropriate District Office
State Lease — 4 Copies

Fee Lease — 3 Copies

Form C-102

AMENDED REPORT

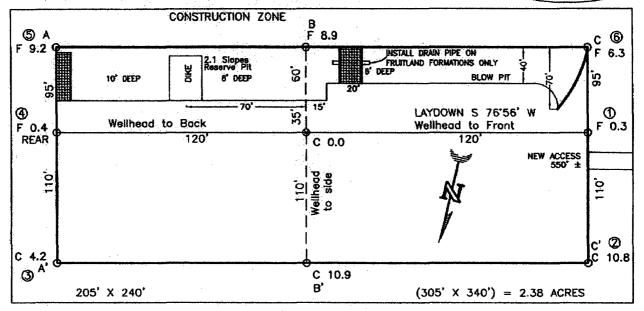
	WELL LO	DCATION AND A	CREAGE DEDI	CATION PL	AT	
* API Rumber	\mathbf{q}_{N}	300	Basin?	NOWN Ham		
Property Code		*Property NEW MEXICO				
CORE No.		⁸ Operator	Nome		······	* Elevation
107067		XTO ENER		**************************************		5846
Lariot no. Section	Yellenship Ronge	10 Surface	Location	Feet from the	Epst/West line	County
. 17	30-N 12-W	10 1980	SOUTH	2590	EAST	SAN JUAN
			If Different Fro	4.1	T = 3 No. 1	- 1
Lorlofno. Section	Township Range	Lot idn Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	(9 Joint or left)	19 Consolidation	Code	¹⁸ Order No.	ing the second s	
519 32	1.74					
NO ALLOWABLE) TO THIS COMPLET AND ARD UNIT HAS				ONSOLIDATE
	I					
				I haraby cartil	OPERATOR CI	intulned herein to
(234	56 m			true and corre	dele to the best of my k	mustedge and belief
TOTAL OF	4 °6	LOT 2	LOT 1			•
SEP RES	2005					
On CON	(S) - E)					
OF OFFICE VILLE	2005 DON:			he	reud Xr	nall
	Ca.	LOT 7	LOT 8	Signature	THE WAST	mil
15 15 DZ	61. BLULER 6		201 3	Printed No	J. M. america	slant
			QUARTER FD 3 1/4	* BC TIUS	ING ASSI	33(<i>)</i> (1)
		17	1976	Oote Oote	18102 <u> </u>	
LOF 12	LOT 11	LOT 10	LOT 9	files and	URVEYOR CE	
LAT: 36'48'4	O N. (NAD 27)	χ	2590'	wow plotted !	ily that the well location field notes of acts	of eurysys mode by
COMG: 100)	7 12.2" W. (NAC) 27			or under my	supervision, and that is best of my belief.	ma suma la trua d
				MARON	SEATHERN SEA	
	l - /	# /	+ /		AMERICA	g fassion:
				7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	TIARSA)	5
7 Ar 12 /	LOT 14	LOT 15	LOT 16	/ 與		E J
LOT 13				1 188	MORESPON	7
	QUARTER COR.	N 89-0	3-51 W SEPTION	COR. Cuttone	10.0	

Submit 3 Copies To Appropriate District Office	State of New M. Energy, Minerals and Nati					Form C-103 May 27, 2004
District I 1625 N. French Dr., Hobbs, NM 87240	Energy, winicrais and water	urar Resources	WELL AP	I NO.		Way 27, 2004
District II	OIL CONSERVATIO	N DIVISION				
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South St. Fr		5. Indicate	· · · —		
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM	87505		TE 🗌	FEE	Ш
1220 S. St. Francis Dr., Santa Fe, NM 87505	12	3456	6. State O	il & Gas L	ease No.	_
SUNDRY NOTIC	ES AND REPORTS (S) WE	MS & O)	7. Lease N	lame or U	nit Agreem	nent Name:
(DO NOT USE THIS FORM FOR PROPODIFFERENT RESERVOIR. USE "APPLIC	SALS TO DRILL OR TARBEEPEN ATION FOR PERMIT ASSEMBLE-	ON PLUG BACK 201A	NEW MEXI	CO FEDERA	AL N	
PROPOSALS.)		2011/ED =	8. Well Nu	·mhor		
1. Type of Well: Oil Well Gas Well X	Other	ONS ON.	o. Well No			
2. Name of Operator	Other Vision	<u> </u>	9. OGRID	#1F Number		
XTO Energy Inc.	(C)	1207CI QI LLOJA	7.00.02	16706	7	
3. Address of Operator		(C, UC, UL, 8)	10. Pool n	ame or W	ildcat	
2700 Farmington Ave., Bldg	. K. Ste 1 Farmington,)	NM 87401	BASIN DA	KOTA		
4. Well Location						
Unit Letter	1980 feet from the SC	line and	2590	feet from	theE	ASTline
Section 17	Township 30N	Range 12W	NMPM	NMPM	County	san juan
	11. Elevation (Show whether	r DR, RKB, RT, GR, et 5846 '	c.)			
Pit or Below-grade Tank Application	or Closure	>1000'			١/ ﴿	2001
Pit type DRILL Depth to Groundwater	>100 Distance from nearest fre	sh water well 1 MIR Dis	tance from ne	arest surface	water 1 M	This-
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume	ebbls; Construction	n Material _			
NOTICE OF INTE	PLUG AND ABANDON	SUB REMEDIAL WORK	SEQUEN		ORT OF	G CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLI	NG OPNS.	ᆜ	PLUG AN ABANDO	
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST AND CEMENT JOB				
OTHER: PIT	X	OTHER:				
13. Describe proposed or completed of starting any proposed work). or recompletion.						
XTO Energy proposed to in with NMOCD guidelines when	_	for drilling. The	pit will h	oe closed	l in acco	ordance
					-	
I hereby certify that the information abgrade tank has been/will be ofinstructed or cl	ove is true and complete to the	best of my knowledge	and belief.	I further ce	rtify that an	y pit or below-
Stalla Maria	~/\O_~~					
SIGNATURE THE VILLE	11	TIE Regulatory C				07/15/05
Type or print name Kyla Vaughan	, E-	-mail address: ky	la_vaughan	Telepho	one No. 50	05-564-6726
For State Use Only	()/ ~	DEPUTY OIL & GAS IN	SPECTOR. DA	7 . 40	CP.	DAR 2000
APPROVED BY	TI TI	ITLE		DA	TE	P 0 6 2005
Conditions of Approval, if any:	///					

EXHIBIT D

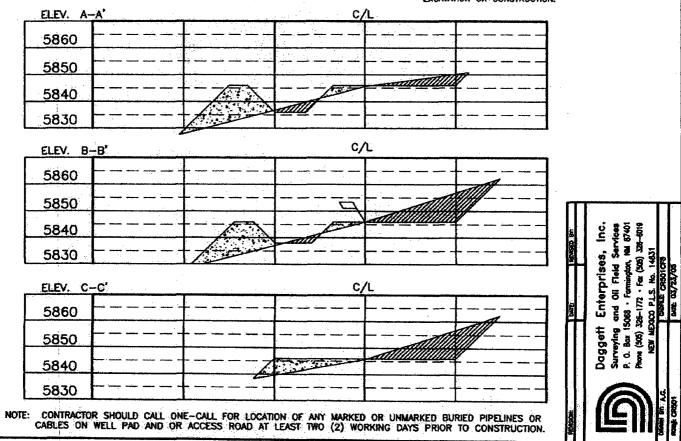
XTO ENERGY INC.
NEW MEXICO FEDERAL N No. 1F, 1980' FSL 2590' FEL
SECTION 17, T30N, R12W, N.M.P.M., SAN JUAN COUNTY, N. M.
GROUND ELEVATION: 5846', DATE: MARCH 17, 2005

LAT. = 36°48'40.4" N. LONG. = 108°07'12.2" W NAD 27



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.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPEUMES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.



XTO ENERGY INC.

New Mexico Federal N #1F **APD Data** July 12, 2005

Location: 1,980' FSL x 2,590' FEL Sec 17, T30N, R12W

County: San Juan

State: New Mexico

GREATEST PROJECTED TD: 7,000'

OBJECTIVE: Basin Dakota

APPROX GR ELEV: 5,846'

Est KB ELEV: <u>5,858' (12' AGL)</u>

MUD PROGRAM:

INTERVAL	0' to 360'	360' to 4,000'	4,000' to TD
HOLE SIZE	12-1/4"	7-7/8"	7-7/8"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND / Gel Chemical
WEIGHT	8.6-9.0	8.4-8.8	8.6-9.0
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.

CASING PROGRAM:

Surface Casing:

8-5/8" casing to be set at \pm 360' in a 12-1/4" hole filled with 8.8 ppg mud

					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'-360'	360'	24.0#	J-55	STC	1370	2950	244	8.097	7.972	7.32	7.95	29.39

Production Casing:

5-1/2" casing to be set at TD (\pm 7,000') in 7-7/8" hole filled with 9.0 ppg mud.

	I				Coll	Burst				113		
					Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-TD	7,000'	15.5#	J-55	STC	4040	4810	202	4.950	4.825	1.25	1.48	1.88

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, 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:

8-5/8", 24#, J-55, STC casing to be set at \pm 360' in 12-1/4" hole.

210 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> 5-1/2", 15.5#, J-55 (or K-55), STC casing to be set at $\pm 7,000$ ' in 7-7/8" hole. DV Tool set @ $\pm 4,000$ '

1st Stage

LEAD:

±300 sx of Premium Lite HS (or equivalent) with salt, dispersant, fluid loss & LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

150 sx Type III cement (or equivalent) with bonding additive, LCM, dispersant & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

2nd Stage

LEAD:

±500 sx of Type III cement (or equivalent) with gel & LCM mixed at 11.9 ppg, 2.54 ft³/sk, 15.00 gal wtr/sx.

TAIL:

100 sx Type III cement (or equivalent) 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 2,243 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 (7,000') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (7,000') to 2,000'.

6. FORMATION TOPS:

Est. KB Elevation: 5,858'

Formation	Subsea Depth	Well Depth
Ojo Alamo SS	+5367'	580'
Kirtland Shale	+5207'	666'
Farmington SS	+5170'	790'
Fruitland Formation	+4034'	1679'
Lower Fruitland Coal	+3934'	1879'
Pictured Cliffs SS	+3834'	2079'
Lewis Shale	+3634'	2230'
Chacra	+2802'	3152'
Cliffhouse SS	+2144'	3724'
Menefee	+2125'	3872'
Point Lookout SS	+1461'	4448'
Mancos Shale	+1129'	4648'
Gallup SS	+181'	5728'
Greenhorn Limestone	-566'	6490'
Graneros Shale	-621'	6544'
1 st Dakota SS	-675'	6613'
2 nd Dakota SS	n/a	n/a
3 rd Dakota SS	-740'	6656'
4 th Dakota SS	n/a	n/a
5 th Dakota SS	-783'	6702'
6 th Dakota SS	-847'	6736'
Burro Canyon SS	-954'	6800'
Morrison Shale	-982'	6840'
Project TD	-1142'	7000'

**** Max anticipated BHP will be < 2,000 psig (<0.30 psi/ft) ****

7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
Jeff Patton	Drilling Engineer	505-324-1090	505-632-7882
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 7/12/05

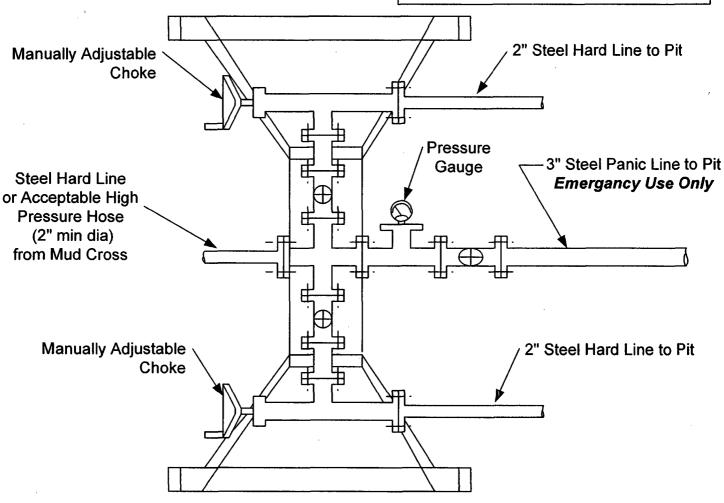
Pressure test BOP to 200-300 psig (low pressure) for 5 min. **BOP SCHEMATIC FOR** Test BOP to Working Press or **DRILLING OPERATIONS** to 70% internal yield of surf csg CLASS 1 (2M) NORMAL (10 min) or which ever is less. **PRESSURE** 2. Test operation of (both) rams on every trip. 3. Check and record Accumulator ROTATING HEAD pressure on every tour. (OPTIONAL) 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 on the rig floor and ready to go. FILL UP LINE **FLOW LINE** TO PIT PIPE RAMS BLIND RAMS TO CHOKE **MANIFOLD** KILL LINE 2" dia min. See Choke Manifold drawing for 2" dia min. specifications HCR VALVE (OPTIONAL) Remove check or ball **MUD CROSS** from check valve and 2" (MIN) FULL OPENING press test to same press VALVE as BOP's. **

1. Test BOP after installation:

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



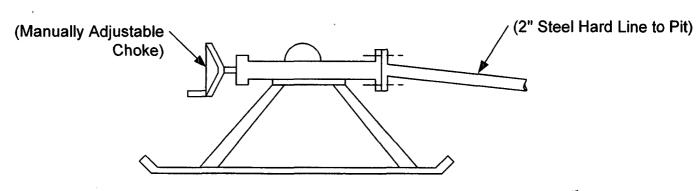


EXHIBIT F