	Form 3160-3 UNITED STATES (April 2004) DEPARTMENT OF THE INTERI BUREAU OF LAND MANAGEME			FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007							
Ø	APPLICATION FOR PERMIT TO DRILL		5. Lease Serial No. 482								
0	la. Type of Work 😦 DRILL 2005 JAN REENTE	6. If Indian, Al	llotee or Tribe Name								
	1b. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other ☐	Single Zone Multiple Zone	N/A 7. Unit or CA	Agreement Name and No.							
S	2. Name of Operator		N/A 8. Lease Name	and Well No							
	XTO Energy Inc.	SCOTT G	AS COM #1F								
	3a. Address 2700 Farmington Ave., Bldg. K. Ste 1 Farmington,	3b. Phone No. (include area cod NM 505-324-1090	9. API Well N	45-32872							
	4. Location of Well (Report location clearly and in accordance with any Stat		ool, or Exploratory								
	At surface 1855' FNL x 1980' FEL in Sec 1, T30N, 1	1.2W		AKOTA/BLANCO MESEVERD , M., or Blk. and Survey or Area							
	At proposed prod. zone same			· ·							
	14. Distance in miles and direction from nearest town or post office*		12. County or F	T30N, R12W Parish 13. State							
	Approx 2.3 air miles NorthWest of A	ztec, NM Post Office	San Juan	NM NM							
	15. Distance from proposed* location to nearest	16. No. of Acres in lease	17. Spacing Unit dedi	cated to this well							
	property or lease line, ft. 1855 (Also to nearest drg. unit line, if any)	758.1	DK 317	.84/MV 317.84//2_							
1,	18. Distance from proposed location*	19. Proposed Depth	20.BLM/BIA Bond	No. on file							
N	to nearest well, drilling, completed, applied for, on this lease, ft. 940	7100'									
	21. Elevations (Show whether DF, KDB, RT, GL, etc.	22. Approximate date work will star	t* 23.Estima	ated duration							
	5874' Ground Elevation	summer 2005		2 weeks							
	The following, completed in accordance with the requirements of Onshore Oil Well plat certified by a registered surveyor. A Drilling Plan Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).	ons unless covered by	an existing bond on file (see								
	25. Signuature 1 1	Name (<i>Printed/Typed</i>)	<u> </u>	Date							
	1/. 1/ 1/2 1/2	Kyla Vaughan		01/27/05							
	Title Regulatory Compliance Tech										
	Approved by (Signautre)	Name (Printed/Typed)		Date							
	Title Title	Office		2-24-05							
	AFM	FFO									
	Application approval does not warrant or certify that the applicant holds leg- conduct operations thereon. Conditions of approval, if any, are attached.	al or equitable title to those rights in	the subject lease which	h would entitle the applicant to							
	Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crim States any false, fictitious or fraudulent statements or representations as to any	ne for any person knowlingly and willfu v matter within its jurisdiction.	lly to make to any dep	partment or agency of the United							
	Th Hashactions bipstig technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4		DRILLING OPERATI	IONS AUTHORIZED ARE LIANGE WITH ATTACHED							
)/RC	"GENERA REGU	ements". NMOCD							

DESTRICT 4 1825 N. French Dr., Hobbs, N.W. 88240

DISTRICT B 1301 W. Grand Ave., Artesia, N.M. 68210

DESTRICT III 1000 Rio Brozos Rd., Autes, N.M. 87410

State of New Mexico Energy, Wingrals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Frencis Dr. Santo Fe, NM 87505

Form C-102 Revised June 40, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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UMAD!		5874'										
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DISTRICE I 1525 H. French Dr., Hobbs, N.M. 88240

DISTRICT # 1301 W. Grand Ave., Artenio, N.M. 88210

State of New Mexico
Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Form C-102 Revised June 10, 2003

Submit to Appropriate District Office

State Leane - 4 Copies

M. 87410	Santa Fe, NA	Fee Lee	Fee Leose - 3 Copies			
olo fo bu etans				☐ AMEN	IDED REPORT	
	CATION AND AC	REAGE DEDIC	CATION PLAT		-	
	Poul Code		Pool Name			
70			MOSCIL			
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	XTO ENERG	Y INC.			5874'	
	¹⁰ Surface	Location	The state of the s	er or transmissioner entered debutes		
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J		·		EAS1	SAN JUAN	
Township Range		Different Fro		tot/Hest Inio	County	
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					ONSOLIDATED	
618. COSPACE FD 3 1/4° EC BLU 1951	2657.8' 107 2 LOT 2 LOT 5 LAT: 36'50'35.8'	(M) FD 3 1/4" IT L.M. 1 LOT 1 = 1 S. (NAD 27) TO W. (NAD 27) OTR. COS FD 3 1/4"	In hereby certify in the cord control of the cord cord cord cord cord cord cord cord	RVEYOR CF RVEYOR CF Rute and location and the series of course are also and the series of course and the series of course and the series of course are also and the series of course and the series of course are also and the series of course are also and the series of course are also and the series of course and the series of course are also and the	RTIFICATION In the most by It is the same to the	
	Township Range 30-N 12-W II Botto Township Range Valorit or in ALL BE ASSIGNED OR A NON-STA OTE CORNER FD 3 1/4" EC BLW 1551	WELL LOCATION AND AC Proof Code Property is SCOTT GAS Coperator is XTO ENERGY Township Range Lot Idn Feet from the 1855 The Bottom Hale Location Township Range Lot Idn Feet from the 1855 The Bottom Hale Location Township Range Lot Idn Feet from the 200 Fee	WELL LOCATION AND ACREAGE DEDIC Pool Code Property Name SCOTT GAS COM Coperator Name XTO ENERGY INC. 10 Surface Location Township Range Lot Idn Feet from the Morth/South Tine 11 Bottom Hote Location If Different Fro Township Range Lot Idn Feet from the Morth/South Tine Which to Infil "Constitution Code OTAL COMPLETION UNTIL ALL I OR A NON-STANDARD UNIT HAS BEEN APPROVED OTAL COMPLETE OTAL COMPLETE FOL 3 1/4" ISC BLU 1231 LOT 2 LOT 1 LOT 5 LOT 5 LOT 5 LOT 6 OTAL CORNOR CORNOR CONTRIBUTE LOT 6 LOT 6 LOT 6 OTAL CORNOR CORNOR CONTRIBUTE LOT 6 LOT 6 OTAL CORNOR CORNOR CONTRIBUTE LOT 6 OTAL CORNOR CORNOR CORNOR CONTRIBUTE LOT 6 OTAL CORNOR CORNO	WELL LOCATION AND ACREAGE DEBICATION PLAT Page Code Property Name Page Page Page Page	WELL LOCATION AND ACREAGE DEDICATION PLAT **Prod Code* **Prod Code* **Property Nome* SCOTT CAS COM **Operator Name* XTO ENERGY INC. **Bottom Hote Location II Different From Surface **Bottom Hote Location II Different From Surface **Today Today Code* **Today Today Code* **Bottom Hote Location II Different From Surface **Today Today Code* **Today Code* **Today Code* **Today Code* **Today Code* **Today Code* **	

	Contract SNI-man Marshar	Form C-103
Submit 3 Copies To Appropriate District Office	State of New Mexico Energy, Minerals and Natural Resources	May 27, 2004
District I 1625 N. French Dr., Hobbs, NM 87240		WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION DIVISION	5. Indicate Type of Lease
District III	1220 South St. Francis Dr.	STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505	SF-077842	
(DO NOT USE THIS FORM FOR PROPODIFFERENT RESERVOIR. USE "APPLIC	ES AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PLUG BACK TO ATION FOR PERMIT" (FORM C-101) FOR SUCH	7. Lease Name or Unit Agreement Name: SCOTT GAS COM
PROPOSALS.) 1. Type of Well:		8. Well Number
Oil Well Gas Well	Other	#1F
2. Name of Operator		9. OGRID Number
3. Address of Operator		10. Pool name or Wildcat
•	. K. Ste 1 Farmington, NM 87401	BASIN DAKOTA/BLANÇO MESEVERDE
4. Well Location	. 1. 000 1 1000000000000000000000000000	
Unit Letter <u>G</u> :	1855 feet from the NORTH line and	1 1980 feet from the EAST line
Section 1	Township 30N Range 12V	
	11. Elevation (Show whether DR, RKB, RT, C	GR, etc.)
Pit or Below-grade Tank Application X	or Closure	
	>100 Distance from nearest fresh water well 1 MI	LE Distance from nearest surface water 1 MILE
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volumebbls; Con:	
	333, 63	
12. Check A NOTICE OF INTI PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDON REMEDIAL WO	SUBSEQUENT REPORT OF:
PULL OR ALTER CASING	MULTIPLE CASING TEST CEMENT JOB	ABANDONMENT AND
OTHER: RESERVE PIT	X OTHER:	
	l operations. (Clearly state all pertinent details, and SEE RULE 1103. For Multiple Completions:	
	See Attachment	
	oce / machinem	
grade tank has been/will be constructeft of	closed according to NMOCD guidelines, a general	wledge and belief. I further certify that any pit or below- permit or an (attached) alternative OCD-approved plan
SIGNATURE KALO VO	TITLE Regulate	ory Compliance Tech DATE 01/27/05
Type or print name Kyla Vaughan	E-mail address:	Kyla_Vaughan@xtoenergy.com Telephone No. 505-324-1090
For State Use Only	DEPUTY OIL &	gas inspector, dist. & FEB 2 8 2005
APPROVED BY		DATE
Conditions of Approval, if any:	<u> </u>	

XTO ENERGY INC. SCOTT GAS COM #1F, 1855 FSL 1980 FEL SECTION 1, T30N, R12W, N.M.P.M., SAN JUAN COUNTY, N. M. LAT. = 36'50'35.8" N. LONG. = 108'02'49.6" GROUND ELEVATION: 5784', DATE: OCTOBER 18, 2004 NAD 27 CONSTRUCTION ZONE В (5) A F 4.4 6 F 7.79 Ć INSTALL DRAIN PIPE ON F 2.6 2.1 Slopes Reserve Pit FRUITLAND FORMATIONS ONLY DIXE DIXE 6 DEEP 10' DEEP 8' DEED BLOW PIT Ι'n 4 (1) LAYDOWN N 61'28' W F 4.9 Wellhead to Back Wellhead to Front C 4.1 REAR 120 C 2,1 120 110 Wellhead to side <u>0</u> ➂ 2 883' NEW ACCESS 8 F 1.8 C 6.3 C 10.6 205' X 240 $(305' \times 340') = 2.38 \text{ ACRES}$ 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. DACCETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERCROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION. NOTE: C/L ELEV. A-A 5800 5790 5780 5770 C/L ELEV. B-B 5800 5790 g and Oil Fleid Services 15068 - Fermington, NM 87401 336-1772 - Fiz. (505) 338-2019 5780 x 15068 - Fermington, NM 26) 236-1772 - Fez (505) 33 7 MEXICO LS, No. 14831 COMM. CR3880F8 5770 ELEV. C~C 5800 Daggett 1 Survaying of P. O. Box 150 Phone (505) 22 NEX 5790 5780

NOTE: 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.

5770

XTO ENERGY INC.

Scott Gas Com #1F APD Data January 27, 2005

Location: 1,855' FNL x 1,980' FEL Sec 1, T30N, R12W County: San Juan State: New Mexico

GREATEST PROJECTED TD: 7,100' APPROX GR ELEV: 5,874'

OBJECTIVE: Basin Dakota / Blanco Mesaverde

Est KB ELEV: 5,886' (12' AGL)

1. 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.

2. CASING PROGRAM:

Surface Casing: 8-5/8" casing to be set at ± 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 ($\pm 7,100$ ') in 7-7/8" hole filled with 9.0 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'-TD	7,100'	15.5#	J-55	STC	4040	4810	222	4.950	4.825	1.22	1.45	2.02

202

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, 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 ±7,100' in 7-7/8" hole. DV Tool set @ ±4,000'

1st Stage

LEAD:

225 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:

410 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:

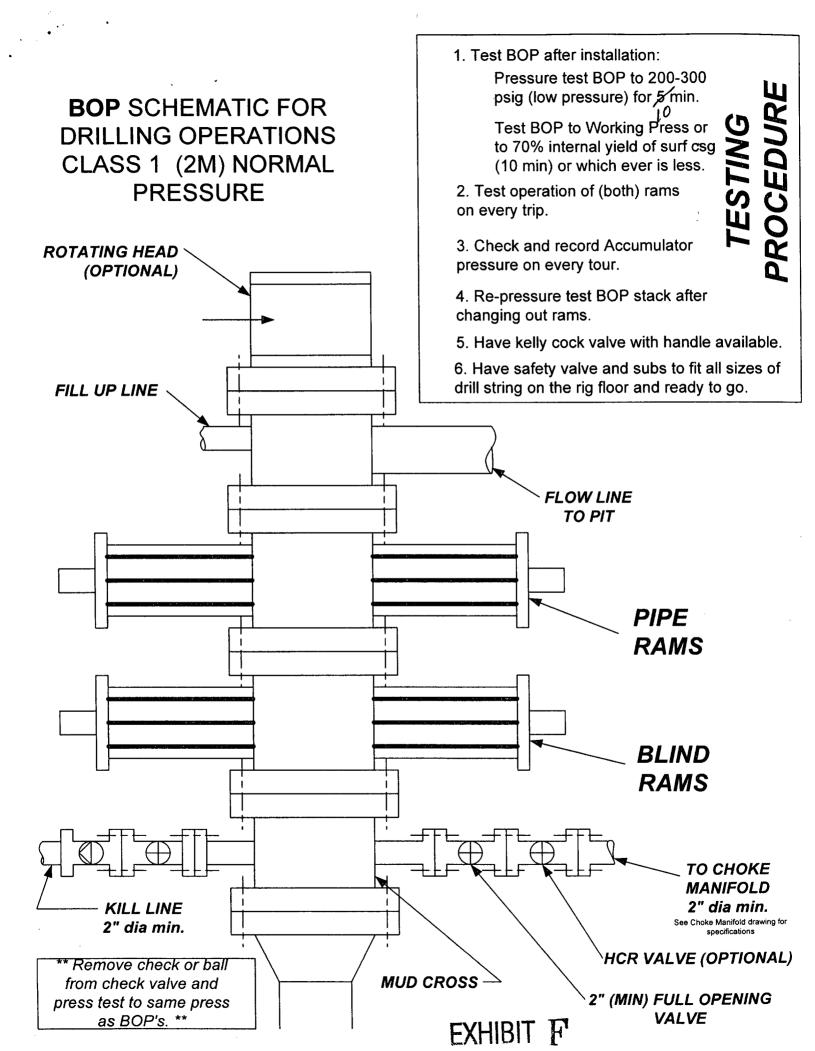
100 sx Type III neat mixed at 14.5 ppg, 1.39 cuft/sx, 6.3 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 1,863 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 5,000' 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 (7,100') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (7,100') to 5,000'.



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

