Form 3160-3
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

RECEIVED
2003 OCT -1 PM 4:
070 Farmington, NM

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ]

b. TYPE OF WELL
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [X]

2. NAME OF OPERATOR
XTO Energy Inc.

3. ADDRESS AND TELEPHONE NO.
2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
2,415' FSL & 660' FEL Sec 18, T27N, R08W
At proposed prod. zone
same

5. LEASE DESIGNATION AND SERIAL NO.
NM - 03380

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
22608

8. FARM OR LEASE NAME, WELL NO.
Florance #71

9. API WELL NO.
30 045 31926

10. FIELD AND POOL, OR WILDCAT
Basin Dakota Blanco Mesaverde
Basin Mancos

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 18, T27N, R08W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx 24 air miles south down Largo Canyon from the Blanco NM Post Office

12. COUNTY OR PARISH
San Juan

13. STATE
NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE
2400.96

17. NO. OF ACRES ASSIGNED TO THIS WELL
GL SE/4
320 DK & MV, 160 Mancos

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1800'

19. PROPOSED DEPTH
7,675'

20. ROTARY OR CABLE TOOLS
0'-7,675' w/Rotary Tools

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6,752' GL

22. APPROX. DATE WORK WILL START*
Winter 2004

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", J-55	36#	265'	150 sx Type III
8-3/4"	7", J-55	20#	~~2,500'~~ 3000'	400 sx Type III cement
6-1/4"	4-1/2", J-55	10.5#	~~6,800'~~ 7675'	400 sx Premium Lite cement

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

XTO Energy Inc. plans to drill the above mentioned well as described in the enclosed Surface Use Program.

An El Paso Field Services welltie plat is also included for ROW.

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

APD/ROW

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED J W Patton TITLE Drilling Engineer DATE 10/1/03

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

APPROVED BY /s/ Charlie Beecham TITLE _____ DATE DEC 30 2003

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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00 OCT -1 PM 4:22
070 Farmington, NM

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

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

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Departme

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-31926	71599	Basin Dakota

4 Property Code	5 Property Name	6 Well Number
22608	FLORANCE	71

7 OGRID No.	8 Operator Name	9 Elevation
167067	XTO ENERGY INC.	6752

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	27-N	8-W		2415	SOUTH	660	EAST	SAN JUAN

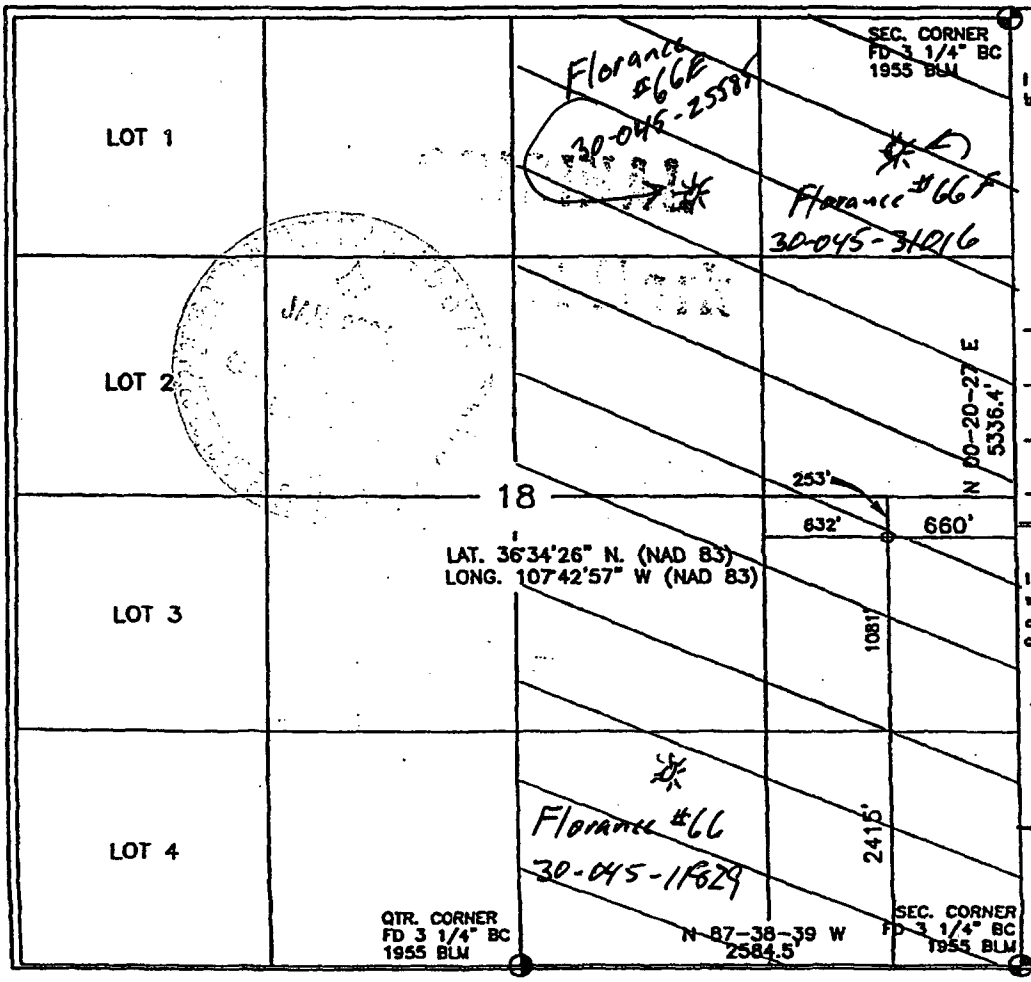
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320 E/2	I		

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

16



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Printed Name

Title

Date

18 SURVEYOR CERTIFICATION

I hereby certify 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 the best of my belief.

DAVID A. GLASS
Date of Survey: 08-15-03
NEW MEXICO
Signature and Seal of Professional Surveyor:
14827
REGISTERED PROFESSIONAL SURVEYOR

14827
Certificate Number

DISTRICT I
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
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OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-31926	72319	Blanco Mesaverde

4 Property Code	5 Property Name	6 Well Number
22608	FLORANCE	71

7 OGRID No.	8 Operator Name	9 Elevation
167067	XTO ENERGY INC.	6752

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	27-N	8-W		2415	SOUTH	660	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320 E/2	I		

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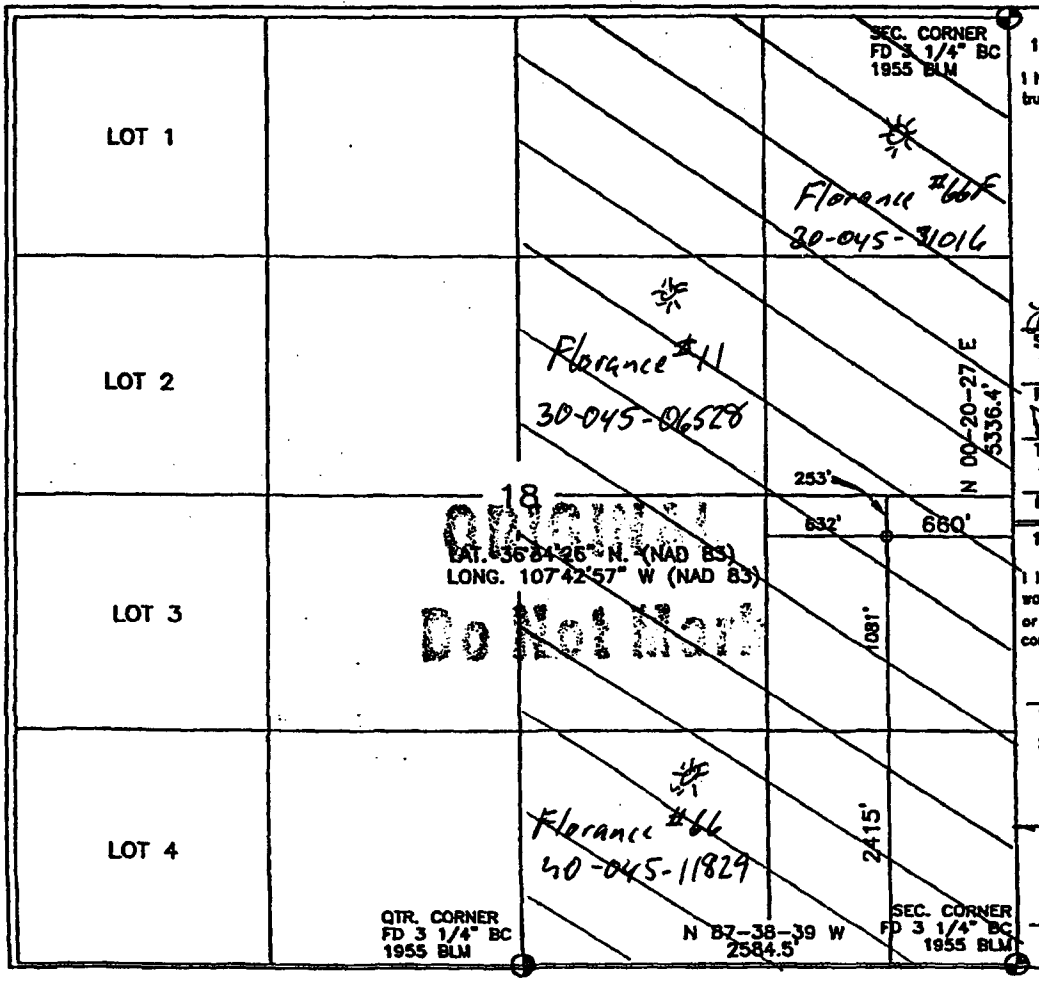

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature: Kelly K Small

Printed Name: Kelly K Small

Title: Drilling Assistant

Date: 8/11/03

18 SURVEYOR CERTIFICATION

I hereby certify 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 the best of my belief.

Date of Survey: 08/15/03

Signature and Seal of Professional Surveyor:

DAVID A. [illegible] NEW MEXICO 14827 REGISTERED PROFESSIONAL SURVEYOR

14827

Certificate Number

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State of New Mexico
rgy, Minerals & Natural Resources Departme

RECEIVED
01 PM 4:23
070 Farmington, NM

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Santa Fe, NM 87504-2088

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-31926	97232	BASIN MANCOS

4 Property Code	5 Property Name	6 Well Number
~~167067~~ 27608	FLORANCE	71

7 OGRID No.	8 Operator Name	9 Elevation
167067	XTO ENERGY INC.	6752

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	18	27-N	8-W		2415	SOUTH	660	EAST	SAN JUAN

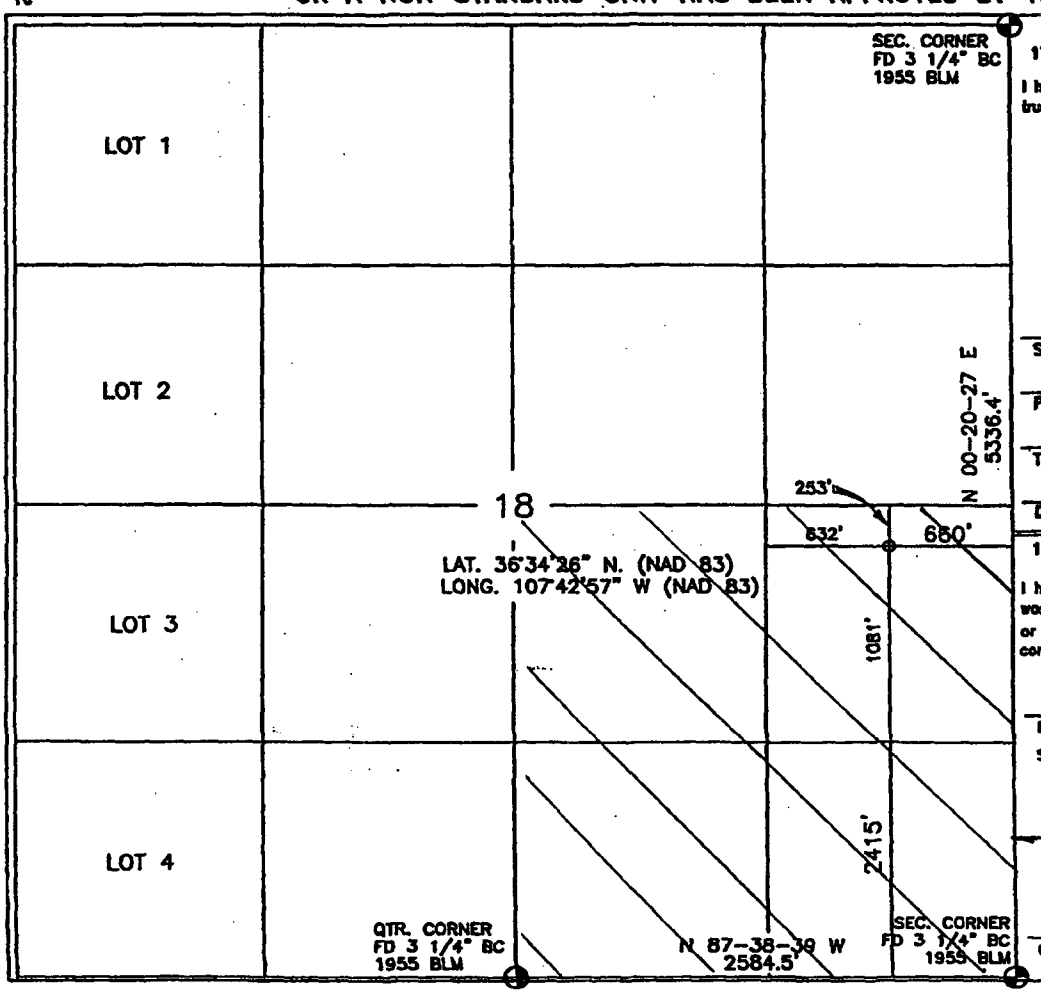
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160 SE/4			

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

16



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature: JW Patton

Printed Name: JEFFREY W. PATTON

Title: DRILLING ENGINEER

Date: 10-1-03

18 SURVEYOR CERTIFICATION

I hereby certify 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 the best of my belief.

Date of Survey: 8-15-03

Signature and Seal of Professional Surveyor:

DAVID A. GLASS
NEW MEXICO
14827
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number: 14827

XTO ENERGY INC.

Florance #71
APD Data
October 1, 2003

Surface Location: 2415' FSL & 660' FEL, Sec 18, T27N, R08W **County:** San Juan **State:** New Mexico

TOTAL DEPTH: ±7,675' OBJECTIVE: Dakota/Mesaverde/Mancos
GR ELEV: 6,752' Est KB ELEV: 6,765' (13' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 265'	265' to 3,000'	3,000' to TD
HOLE SIZE	12-1/4"	8-3/4"	6-1/4"
MUD TYPE	FW/Native Mud	FW/Polymer	Air/Foam
WEIGHT	8.6-8.8	8.6-9.0	
VISCOSITY	28-32	29-34	
WATER LOSS	NC	NC	

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. RU air compressors after setting the intermediate csg. Drill with air or foam to TD.

2. CASING PROGRAM:

Surface Casing: 9-5/8" casing to be set at ± 265' in 8.6 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'-265'	265'	36.0#	J-55	STC	2020	3520	394	8.921	8.765	5.98	5.68	15.73

Intermediate Casing: 7" casing to be set at ±3,000' in 9.0 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'-3,000'	3,000'	20.0#	J-55	STC	2270	3740	234	6.456	6.331	1.15	1.31	2.57

Production Casing: 4-1/2" casing to be set at 7,675' in air.

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'-7,675'	7,675'	10.5#	J-55	STC	4010	4790	132	4.052	3.927	1.33	1.20	1.90

EXHIBIT E

3. WELLHEAD:

A. Bradenhead: 9-5/8" x 7" 2,000 psig WP (4,000 psig test).
Casinghead: 7" x 4-1/2" 3,000 psig WP (6,000 psig test).

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

A. Surface: 9-5/8", 36.0#, J-55, STC casing to be set at ± 265'.

Lead: **150 sx** of Type III or equivalent cement containing accelerator and LCM typically mixed at 14.5 ppg, 1.39 ft^3/sk, & 6.30 gal wtr/sk.

Total slurry volume is 209 ft^3, 100% excess of calculated annular volume to 265'.

B. Intermediate: 7", 20.0#, J-55, STC casing to be set at ±3,000'.

Lead: **250 sx** of Type III or equivalent cement containing extender, accelerator and LCM typically mixed at 11.4 ppg, 3.03 ft^3/sk, 18.51 gal wtr/sx.

Tail: **150 sx** of Type III or equivalent cement containing accelerator and LCM typically mixed at 14.5 ppg, 1.41 ft^3/sk, 6.30 gal wtr/sx.

Total slurry volume is 969 ft^3, circulated to surface. This value is ±100% (excess) over gage hole volume.

C: Production: 4-1/2", 10.5#, J-55, STC casing to be set at ±7,675'.

Lead: **250 sx** of Class "H" Premium Lite High Strength (65/35/6) containing dispersant, fluid loss, salt and LCM typically mixed at 12.5 ppg, 2.01 ft^3/sk, 10.12 gal wtr/sx.

Tail: **150 sx** of Class "H" or equivalent cement containing extender, dispersant, fluid loss and LCM typically mixed at 14.2 ppg, 1.54 ft^3/sk, 7.50 gal wtr/sx..

Total estimated slurry volume for the 4-1/2" production casing is 734 ft^3 for 5,175' of fill. Est. TOC should be @ ±2,500'. 40% (excess) over gage hole volume has been added to the number of sacks indicated.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined for the caliper logs plus 40%.

5. LOGGING PROGRAM:

A. Mud Logger: A two man mud logging crew will come on the hole @ 4,000' and remain on the hole until TD.

B. Open Hole Logs as follows: Run Dual Induction/MSFL/GR/CAL/SP/CNL/LDT (lithodensity) from TD to the bottom of the intermediate csg (@ ±3,000' MD). Run cased hole GR/CCL from TD to surface.

EXHIBIT E

```
CMD :                                ONGARD                          03/08/04 18:46:16
OG6IWCM                    INQUIRE WELL COMPLETIONS                       OGOMES -TQGW


API Well No : 30  45 31926   Eff Date : 12-30-2003   WC Status : N
Pool Idn    : 97232 WC BASIN MANCOS
OGRID Idn   : 167067 XTO ENERGY, INC.
Prop Idn    :  22608 FLORANCE

Well No     : 071
GL Elevation:  6752

               U/L Sec  Township Range North/South    East/West  Prop/Act(P/A)
               --- ---  -------- ----- ------------ ------------ -------------
B.H. Locn     : I   18   27N      08W   FTG 2415 F S FTG  660 F E       P
Lot Identifier:
Dedicated Acre: 160.00
Lease Type    : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :



PF01 HELP    PF02          PF03 EXIT    PF04 GoTo    PF05          PF06
PF07         PF08          PF09         PF10 NEXT-WC PF11 HISTORY PF12 NXTREC
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CMD :                                ONGARD                          03/08/04 18:46:27
OG6ACRE                      C102-DEDICATE ACREAGE                       OGOMES -TQGW
                                                                       Page No :   1

 API Well No    : 30  45 31926   Eff Date : 12-30-2003
 Pool Idn       : 97232 WC BASIN MANCOS
 Prop Idn       :  22608 FLORANCE                                  Well No : 071
 Spacing Unit   :  58295 OCD Order :                 Simultaneous Dedication:
 Sect/Twp/Rng   : 18 27N 08W Acreage   :  160.00     Revised C102? (Y/N)    :
 Dedicated Land:
                ------------------------------------------------------------
                 S   Base U/L Sec  Twp Rng Acreage  L/W  Ownership  Lot Idn
                ------------------------------------------------------------
                          I   18   27N 08W   40.00   N      FD
                          J   18   27N 08W   40.00   N      FD
                          O   18   27N 08W   40.00   N      FD
                          P   18   27N 08W   40.00   N      FD




        E0005: Enter data to modify or PF keys to scroll
PF01 HELP    PF02          PF03 EXIT    PF04 GoTo    PF05          PF06 CONFIRM
PF07 BKWD    PF08 FWD      PF09         PF10 LAND    PF11 NXTSEC   PF12 RECONF
```

Sec : 18 Twp : 27N Rng : 08W Section Type : NORMAL

3 40.40 Federal owned	K 40.00 Federal owned A	J 40.00 Federal owned	I 40.00 Federal owned A
4 40.34 Federal owned A A	N 40.00 Federal owned	O 40.00 Federal owned A	P 40.00 Federal owned A
3 40.40 Federal owned	K 40.00 Federal owned A	J 40.00 Federal owned	I 40.00 Federal owned A
4 40.34 Federal owned A A	N 40.00 Federal owned	O 40.00 Federal owned A	P 40.00 Federal owned A