

RECEIVED

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 03 2011

Farmington Field Office
Office of Land Management

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No. N/A
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		8. Lease Name and Well No. BREECH A #175F
2. Name of Operator XTO Energy Inc.		9. API Well No. 30-039- 31071
3a. Address 382 CR 3100 Aztec, NM 87410	3b. Phone No. (include area code) 505/ 333-3100	10. Field and Pool, or Exploratory Basin DK/Basin MC/Blanco MV
4. Location of Well (Report location clearly and in accordance with any State requirements *) At surface 1000' FSL x 1880' FEL At proposed prod. zone Same		11. Sec, T, R, M. or Blk. and Survey or Area (O) Sec 8, T26N, R6W
14. Distance in miles and direction from nearest town or post office* 31 miles SE of Bloomfield P.O.		12. County or Parish RIO ARRIBA
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1000'		13. State NM
16. No. of acres in lease 2400	17. Spacing Unit dedicated to this well E/2 320	RCVD OCT 14 '11 OIL CONS. DIV. DIST. 3
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1004'	19. Proposed Depth 7400'	
20. BLM/BIA Bond No. on file UTB000138	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6387' Ground Elevation	22. Approximate date work will start* 07/18/2011
23. Estimated duration 2 Weeks		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form:

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1 Well plat certified by a registered surveyor. | 4 Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2 A Drilling Plan. | 5 Operator certification |
| 3 A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Malia Villers</i>	Name (Printed/Typed) Malia Villers	Date 6/2/11
Title Permitting Tech.		
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) AFM	Date 10/16/11
Title PFC		

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, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

*(Instructions on page 2)

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

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

APD/ROW

OCT 25 2011

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 58240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 58210

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 57410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-039-31071	'Pool Code 72319	'Pool Name Blanca mesaverde
'Property Code 304749	'Property Name BREECH A	'Well Number 175 F
'OGED No. 538D	'Operator Name XTO ENERGY	'Elevation 6387'

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
0	8	26N	6W		1000'	SOUTH	1880'	EAST	RIO ARRIBA

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 E/2 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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

FND 3/4" BC
BLM 1937

FND 3/4" BC
BLM 1937

5309.23' (M)
5322.90' (R)

N 1°05'03" E
N 1°07' E

LYLE C. COX LIVING TRUST &
BETTY COX LIVING TRUST

LAT. 38.49694° N
LONG. 107.48853° W
DATUM (NAD 1983)
LAT. 38.49693° N
LONG. 107.48793° W
DATUM (NAD 1927)

5406.92' (M)
5413.32' (R)

N 1°20'09" E
N 1°22' E

FND 3/4" BC
BLM 1937

S 85°13'16" W
S 85°13' W

5307.86' (M)
5314.32' (R)

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner or a compulsory pooling order heretofore ordered by the division.

malin villers 6/2/11
Signature Date

Printed Name

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 7, 2008

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

Certificate Number

10201

DISTRICT I
1635 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

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WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-039-31071	'Pool Code 97232	'Pool Name Basin mancos
'Property Code 304749	'Property Name BREECH A	'Well Number 175 F
'OGRID No. 5380	'Operator Name XTO ENERGY	'Elevation 6387'

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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
'Dedicated Acres E/2 320			'Joint or Infill		'Consolidation Code		'Order No.		

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main villers 6/2/11
Signature Date

main villers
Printed Name

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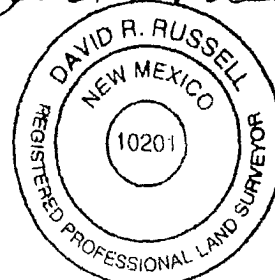
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DAVID RUSSELL

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'OGRID No. 5380	'Operator Name XTO ENERGY	'Elevation 6387'

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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

'Dedicated Acres E / 2 320	'Joint or Infill	'Consolidation Code	'Order No.
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5307.88' (M)
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Signature maria villers Date 6/2/11

Printed Name maria Villers

18 SURVEYOR CERTIFICATION

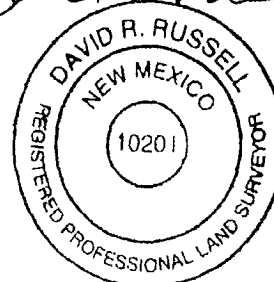
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MARCH 7, 2008

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David R. Russell



DAVID RUSSELL

Certificate Number

10201

XTO ENERGY INC.

Breach A #175F

APD Data

May 20, 2011

Location: 1000' FSL x 1880' FVL Sec 8, T26N, R6W

County: Rio Arriba

State: New Mexico

GREATEST PROJECTED TD: 7400'

OBJECTIVE: Basin Dakota / Mancos / Mesaverde

APPROX GR ELEV: 6387'

Est KB ELEV: 6399' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 7400'
HOLE SIZE	12.25"	7.875"	7.875"
MUD TYPE	FW/Spud Mud	LSND	LSND
WEIGHT	8.6-9.0	8.4-8.8	8.6- 9.8
VISCOSITY	28-32	28-32	45-70
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 12.25" 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 ($\pm 7400'$) in 7.875" 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'-7400'	7400'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.14	1.38	1.76

3. WELLHEAD:

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

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'. Surface casing will be pressure tested to 600 psi for 30 min.

B. Production: 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at $\pm 7400'$ in 7.875" hole. DV Tools set @ $\pm 6050'$ and @ $\pm 2930'$.

1st Stage

LEAD:

± 70 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

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

2nd Stage

LEAD:

± 245 sx of Type III or equivalent cement with 8% gel & 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.

3rd Stage:

LEAD:

± 225 sx of Type III or equivalent cement with 8% gel & 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 1858 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: None.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (7400') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (7400') to 3,000'.

6. FORMATION TOPS:

Est. KB Elevation: 6399'

FORMATION	Sub-Sea	MD	FORMATION	TV Sub-Sea	MD
Nacimiento	5246	1153			
Ojo Alamo SS	4356	2043	Tocito	-107	6506
Kirtland Shale	4149	2250	Greenhorn	-485	6884
Fruitland Formation	4049	2350	Graneros	-543	6942
Lower Fruitland Coal	3675	2724	Dakota 1*	-572	6971
Pictured Cliffs SS	3650	2749	Dakota 2*	-637	7036
Lewis Shale	3521	2878	Dakota 3*	-661	7060
Chacra SS	2776	3623	Dakota 4*	-697	7096
Cliffhouse SS*	1990	4409	Dakota 5*	-734	7133
Menefee**	1969	4430	Dakota 6*	-783	7182
Point Lookout SS**	1420	4979	Burro Canyon	-836	7235
Mancos Shale	1057	5342	Morrison*	-909	7308
Gallup	298	6101	TD	-1001	7400

* Primary Objective

** Secondary Objective

**** Maximum anticipated BHP should be <2,500 psig (<0.30 psi/ft) *****

7. COMPANY PERSONNEL:

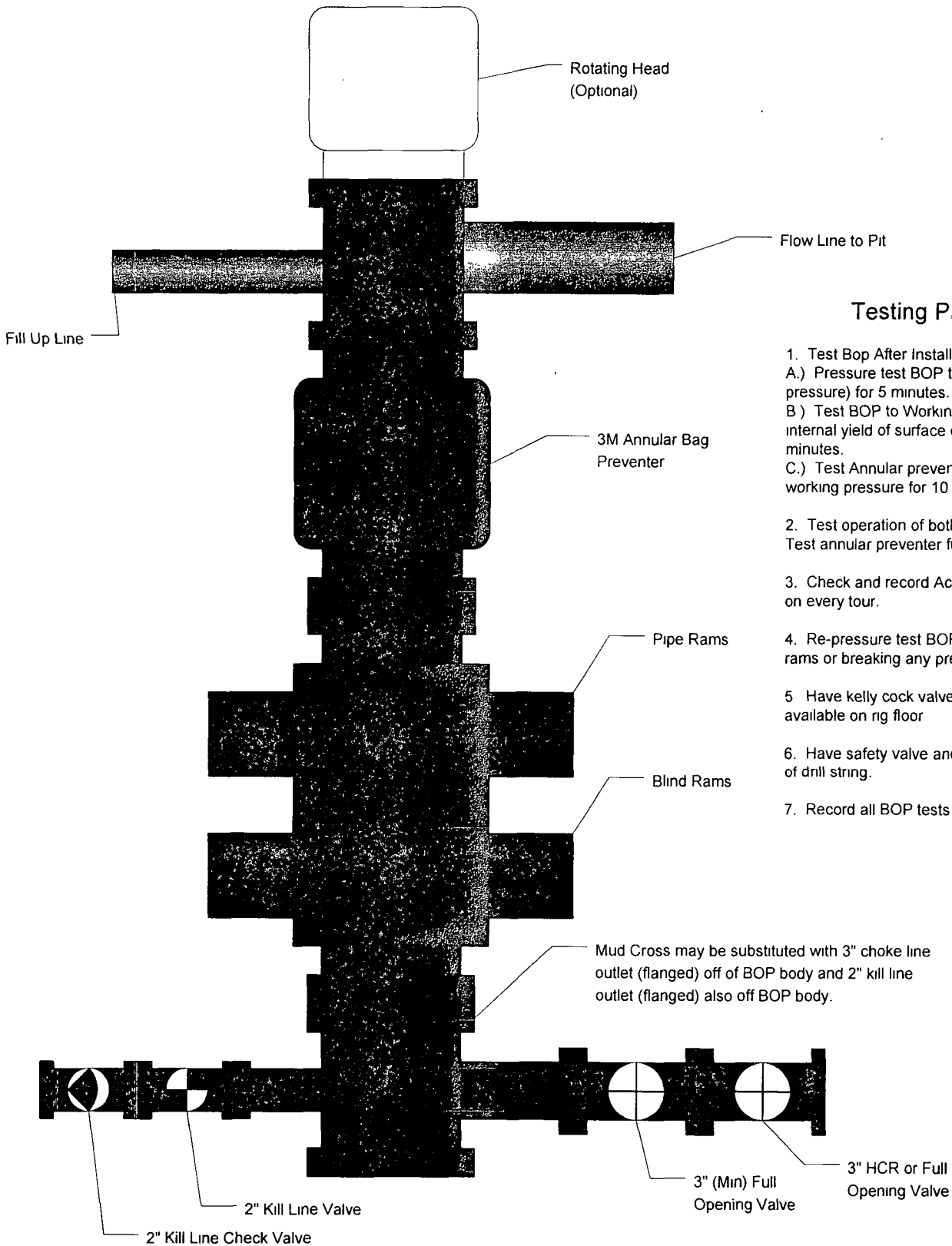
Name	Title	Office Phone	Home Phone
Justin Niederhofer	Drilling Engineer	505-333-3199	505-320-0158
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
John Klutsch	Project Geologist	817-885-2800	--

JN

5/20/11

XTO Energy

3M BOP Stack



Testing Procedure

1. Test Bop After Installation:
 - A.) Pressure test BOP to 200-300 psig (low pressure) for 5 minutes.
 - B.) Test BOP to Working pressure or 70% internal yield of surface casing for 10 minutes.
 - C.) Test Annular preventer to 50% of working pressure for 10 minutes.
2. Test operation of both rams on each trip. Test annular preventer function weekly
3. Check and record Accumulator pressure on every tour.
4. Re-pressure test BOP after changing rams or breaking any pressure tested seal
5. Have kelly cock valve with handle available on rig floor
6. Have safety valve and subs to fit all sizes of drill string.
7. Record all BOP tests in IADC book.

XTO Energy		
3M Choke Manifold		

