

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

b. TYPE OF WELL

OIL ☐

GAS ☒

OTHER

SINGLE ☒

MULTIPLE ☐

2. NAME OF OPERATOR

XTO Energy Inc.

3. ADDRESS AND TELEPHONE NO.

2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

505-324-1099

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2100' FSL & 1415' FEL Sec 31, T27N, R08W

At proposed prod. zone

same

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 1156'

16. NO. OF ACRES IN LEASE

2552.22

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 E/2

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

100'

19. PROPOSED DEPTH

4,800'

20. ROTARY OR CABLE TOOLS

0'-4,800' w/Rotary Tools

21. ELEVATIONS (Show whether DFRT, GR, etc.)

6,114' 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"	8-5/8", J-55	24#	360'	210 sx Type III
7-7/8"	4-1/2", J-55	10.5#	4,800'	575 sx Premium Lite cement

This action is subject to technical and
procedural review pursuant to 43 CFR 3105.3
and appeal pursuant to 43 CFR 3105.4

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.

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

APD/ROW

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed 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

TITLE Drilling Engineer

DATE 9/18/03

(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:

/s/ David J. Mankiewicz

JAN 13 2004

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

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

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
Bureau of Geology, Minerals & Natural Resources Department

REC'D / SAN JUAN

OIL CONSERVATION DIVISION
APR 10 2003
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 30-045-31912		2 Pool Code 72319		3 Pool Name Blanco Mesquero	
4 Property Code 28096		5 Property Name BOLACK C			6 Well Number 20
7 OGRID No. 1107067		8 Operator Name XTO ENERGY INC.			9 Elevation 6114

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
J	31	27-N	8-W		2100	SOUTH	1415	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 320 E/2	13 Joint or Infill I	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

		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: 8/1/03
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. Signature and Seal of Professional Surveyor: DAVID A. JOHNSON Date of Survey: 8/1/03 Certificate Number: 14827		

XTO ENERGY INC.

Bolack "C" #20

APD Data

September 23, 2003

Location: Surface: 2,100' FSL & 1,415' FEL, Sec 31, T27N, R08W County: San Juan State: New Mexico

PROJECTED TOTAL DEPTH: ±4,800' (MD)
GR ELEV: 6,114'

OBJECTIVE: Mesaverde
Est KB ELEV: 6,126' (12' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 370'	370' to 3,500'	3,500' to TD
HOLE SIZE	12-1/4"	7-7/8"	7-7/8"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND
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. Pre-treat with 20% LCM @ 3,500'. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity (>85 sec) 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 8.8 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#	J-55	STC	1370	2950	244	8.097	7.972	7.32	7.95	29.39

Production Casing: 4-1/2" casing to be set at TD 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'-TD	4,800'	10.5#	J-55	STC	4010	4790	132	4.052	3.875	1.66	1.33	2.44

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), 4-1/2" 8rnd female thread on bottom, 8-5/8" 8rnd thread on top.

EXHIBIT E

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

A. Surface: 8-5/8", 24#, J-55, STC casing to be set at $\pm 360'$.

Lead: 210 sx of Type III or equivalent cement containing accelerator and LCM typically mixed at 14.6 ppg, 1.41 ft³/sk, & 6.30 gal wtr/sk.

Total slurry volume is 296 ft³, $\pm 100\%$ excess of calculated annular volume to 360'.

B. Production: 4-1/2", 10.5#, J-55, STC casing to be set at $\pm 4,800'$ (MD).

Lead: 425 sx of Type III w/3% extender, 1/4#/sx celloflake & 2% Phenoseal (LCM) mixed at 11.4 ppg, 2.89 cuft/sx & 17.4 gals/sx water.

Tail: 150 sx Premium Lite HS (65%/35%/6%) w/2% KCl, 1/4#/sx cello, 0.35% dispersant, 0.25% fluidloss additive & 5 #/sx gilsonite mixed @ 12.5 ppg, 2.01 cuft/sx & 10.7 gals/sx water.

Total estimated slurry volume (including 40% excess) for the 4-1/2" production casing is 1,528 ft³.

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 2-man mud logging unit will come on the hole @ 3,000' and will remain on the hole until TD.

B. Open Hole Logs as follows: Run Dual Induction/SFL/GR/SP fr/TD ($\pm 4,800'$) to the bottom of the surface csg. Run CNL/LDT (Lithodensity)/GR/Cal and Pe from TD to 2,750'.

EXHIBIT E

BOP SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

TESTING PROCEDURE

1. Test BOP after installation:

Pressure test BOP to 200-300
psig (low pressure) for 5 min.

Test BOP to Working Press or
to 70% internal yield of surf csg
(10 min).

2. Test operation of (both) rams on every trip.

3. Check and record Accumulator pressure on every tour.

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.

