

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER
1b. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator

XTO Energy Inc.

3a. Address

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

4. Location of Well (Report location clearly and in accordance with any State requirements)*

At surface 2395' ENL x 995' FWL in Sec 23, T27N, R10W

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

Approx 20 air mile Southeast of the Bloomfield, NM Post office

15. Distance from proposed*

location to nearest
property or lease line, ft. 2395'
(Also to nearest drg. unit line, if any)

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 60'

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

6,297' Ground Level

22. Approximate date work will start*

Winter 2005

23. Estimated duration

2 weeks

16. No. of Acres in lease

1,753.36

17. Spacing Unit dedicated to this well

320 W/2 DK

19. Proposed Depth

7,075'

20. BLM/BIA Bond No. on file

25. Signature

Jeffrey W. Patton

Name (Printed/Typed)

Jeffrey W. Patton

Date

9/14/04

Title

Drilling Engineer

Approved by (Signature)

[Signature]

Name (Printed/Typed)

Office

FFO

Date

11/8/04

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

APD/ROW

NMOCD

DRILLING OPERATIONS AUTHORIZED
SUBJECT TO COMPLIANCE WITH ATT
"GENERAL REQUIREMENTS".

DISTRICT I
1625 N. Fench Dr., Hobbs, N.M. 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87504-2088

Form C-102

Revised June 10, 2003

Instructions on back

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

RECEIVED

SEP 15 2004

AMENDED REPORT
Bureau of Land Management
Farmington Field Office

WELL LOCATION AND ACREAGE DEDICATION

*API Number 30-045-32584	*Pool Code 71599	*Pool Name BASIN DAKOTA
*Property Code 22614	*Property Name JC GORDON D	*Well Number 3F
*OGRID No. 167067	*Operator Name XTO ENERGY INC.	*Elevation 6297

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
E	23	27-N	10-W		2395	NORTH	995	WEST	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
Dedicated Acres 320 W/2		Joint or Infill I		Consolidation Code		Order No.			

16 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

SEC. CORNER FD 2 1/2" BC GLO 1913	N 89-40-25 W 5279.0' (M)	SEC. CORNER FD 2 1/2" BC GLO 1913	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Jeffrey W. Patton</u> Printed Name <u>JEFFREY W. PATTON</u> Title <u>DRILLING ENGINEER</u> Date <u>9-14-04</u>
N 00-01-59 W 2647.3' (M)	LAT: 36°33'41" N. (NAD 27) LONG: 107°52'12" W. (NAD 27)		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plot 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 <u>SEP 15 2004</u> Signature <u>[Signature]</u> Registered Professional Surveyor Certificate Number <u>14831</u>
2395'			
995'	23		
QTR. CORNER FD 2 1/2" BC GLO 1913			

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2,395' FNL & 995' FWL
SEC. 23, T27N, R10W

3b. Phone No. (include area code)
505-324-1090

OK CULLEN, OK.
DIST. 3

5. Lease Serial No.

NMSF-077952

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

JC GORDON "D" #3F

9. API Well No.

30-045-32584

10. Field and Pool, or Exploratory Area

Basin Dakota

11. County or Parish, State

SAN JUAN NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other Spud. St. |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | & PT Surf Csg |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc. spudded 12-1/4" hole @ 9:00 a.m., 04/05/05. Drld to 381' KB. TIH w/8 jts 8-5/8", 24.0#, J-55, ST&C csg to 336.09' KB. Cmt'd csg w/244 sx Type III cmt w/3% CaCl2 & 1/4 FPS celloflake (mixed @ 15.2 ppg, 1.28 cuft/sx). Circ 19 bbls cmt to surf. PT BOPE & surf csg to 1,000 psig for 30 min. Held OK.

Drldg ahead.....

RECEIVED
070 FARMINGTON NM
05 APR 14 AM 11 32

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

KELLY K. SMALL

Title

DRILLING ASSISTANT

Date 04/12/05

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APR 18 2005

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

FARMINGTON FIELD OFFICE

RY 9/6

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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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☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy, Inc.

3a. Address

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

3b. Phone No. (include area code)
505-324-1099

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2,395' ENL & 995' ENL
SEC. 23, T27N, R10W

5. Lease Serial No.

NMSE-071952

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

JC GORDON "D" #3F

9. API Well No.

30-045-32584

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

SAN JUAN NM

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- Subsequent Report
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- Final Abandonment Notice

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|---|---|--|---|
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| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other TD & ST |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | <input type="checkbox"/> PROD CSG |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

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Reached driller's TD of 7,020' KB @ 6:00 a.m., 04/20/05. TIH w/173 jts 5-1/2", 15.5#, J-55, LT&C csg to 7,016' KB. Cmt'd csg as follows: 375 sx Premium Lite HS w/0.5% FL-32, 0.2% CD-32, 1/4 PPS calloflake & 2% phenoseal (mixed @ 12.5 ppg & 2.01 cuft/sx) followed by 150 sx Cl "H" cmt w/0.3% CD-32, 0.2% FL-52, 5% A-10, 1/4 PPS calloflake & 2% phenoseal (mixed @ 14.2 ppg & 1.54 cuft/sx). Dropped bomb & op DV tool. Cmt'd 2nd stage as follows: 700 sx Type III w/8% gel, 1/4 PPS calloflake & 2% phenoseal (mixed @ 11.4 ppg & 3.03 cuft/sx) followed by 100 sx Type III Neat cmt (mixed @ 14.5 ppg & 1.41 cuft/sx). Dropped bomb & closed DV tool. Circ 188 hbls cmt to surf. Released Patterson #743 @ 3:00 p.m., 04/23/05.

PRODUCTION CSG WILL BE PRESSURE TEST @ COMPLETION

APR 28 PM 4 24
RECEIVED
FARMINGTON NM14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

KELLY K. SMALL

Title

DRILLING ASSISTANT

Date 04/25/05

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date APR 29 2005

Conditions of approval, if any, are attached. Approval of this notice 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.

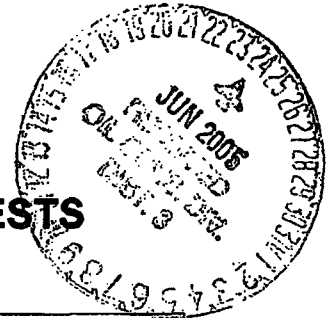
Office

FARMINGTON FIELD OFFICE

BY gth

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NMOC



XTO Energy Inc.

Depth	Degrees	Depth	Degrees
95'	3/4°	3,150'	1/2
185'	1-1/4°	3,524'	3/4°
245'	1°	3,980'	1/2°
305'	1-1/2°	4,978'	1°
375'	1°	5,486'	0°
407'	1°	5,975'	3/4°
545'	1-1/4°	6,500'	1-1/4°
655'	1°	6,980'	1-1/2°
780'	1°		
1,400'	2°		
1,593'	1°		
1,872'	1°		
2,150'	1°		
2,490'	1°		
2,787'	3/4°		

THIS IS TO CERTIFY that to the best of my knowledge the above survey details the deviation tests taken on XTO ENERGY INC'S

knowledge of the
SUBSCRIBED
and
Notary Public
Expres: 6

Notary Public

Expires: 9-1-2008

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3b. Phone No. (include area code)

505-324-1090

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2,395' FNL & 995' FWL
SEC. 23, T27N, R10W

5. Lease Serial No.

NMSF-077952

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

JC GORDON "D" #3F

9. API Well No.

30-045-32584

10. Field and Pool, or Exploratory Area

BASIN DAKOTA

11. County or Parish, State

SAN JUAN NM

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- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other MORRISON |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | TEST |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

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XTO Energy Inc. proposes to test the Morrison interval to determine if productive. If deemed that the Morrison is productive, XTO will apply for a non-standard location. If deemed the Morrison is non-productive, XTO will plug back the Morrison interval and complete in the Dakota as per the attached procedure.

CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

HOLLY C. PERKINS

Title

REGULATORY COMPLIANCE TECH

Date 5/18/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Petr. Eng.

Date

6/21/05

Conditions of approval, if any, are attached. Approval of this notice 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.

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NMUCD

JC Gordon D #3F
2395' FNL & 995' FWL, Sec 23, T-27-N, R-10-W
San Juan County, New Mexico

Morrison and Lower Dakota Test

Formation: Morrison

Prod Csg: 5-1/2", 15.5#, J-55, LT&C csg @ 7,016'. FC @ 6,973'. Marker jt from 6,470' – 84'. DV tool @ 4,408'. Cmt'd 1st stage w/ 375 sx Premium Lite HS (mixed @ 12.5 ppg & 2.01 cuft/sx) followed by 150 sx Class H cmt (mixed @ 14.2 ppg & 1.54 cuft/sx). Circ traces cmt off DV tool. Cmt'd 2nd stage w/ 700 sx Type III w/8% gel (mixed @ 11.4 ppg & 3.03 cuft/sx) followed by 100 sx Type III Neat cmt (mixed @ 14.5 ppg & 1.41 cuft/sx). Circ 188 bbls cmt to surf.

Cur. Status: Wait on completion

Completion Procedure

1. MI & set 2 – 400 bbl clean frac tanks. Fill tanks w/ produced water from the Kutz J Federal #2E well. Treat water with bactericide. Set 1 flowback tank. Weld on 5,000# WP tbg hanger. MI ±221 jts (6,980') 2-3/8", 4.7#, J-55, EUE, 8rd tbg & 4 - 3-1/2" drill collars.
2. MIRU PU. NU BOP. TIH with 4-3/4" bit, 4 3-1/2" drill collars and 2-3/8", 4.7#, J-55, EUE, 8RD tubing. Drill out DV tool at 4,408'. Clean out casing to PBTD (float collar at 6,973'). Drill out float collar and casing shoe track to 7,000'. Circulate casing clean w/ produced water containing bactericide and POOH standing back tubing. LD BHA.
3. MIRU WL. Run GA/GR/CCL from 7,000' up to 5,500'. POOH w/ GA/GR/CCL. Set CIBP at 6,995'. RD MOL WL.
4. Load and pressure test csg to 2,000 psig for 30". Increase to 3,850 psig for 5". Record data on chart per NMOCD orders. Release press.
5. TIH w/Baker Model "X" SN (ID 1.875"), 1 jt tbg, Baker A-3 Lock-set packer w/ FL-22 on-off tool & +/- 214 jts tbg. Set packer at +/- 6,860' and EOT at +/-6,890'. Land tubing hanger w/ 10K overpull on packer. Test TCA to 1,000 psi.
6. RU swabbing equipment and swab tubing down to 3,000' to establish +/-1,500 psi underbalance (assumes 8.9 ppg pore pressure).

7. MIRU WL trk. Perf lower Morrison interval w/ 1-11/16" Shogun strip gun from 6,986' – 89' w/2 JSPF (Owen STP-1687-401 NT, 9grm, 0.24" dia., 16.64" pene., 6 holes). POH w/ guns.

Lower Morrison Perfs

Perforation Interval	CCL
6,986' – 6,989'	

8. Flow test the lower Morrison interval. Report rates and pressures to Chris Clark. Based upon flow test results perforate the upper Morrison, stimulate the well w/ acid, or plugback as directed.
9. After flow test, kill well as necessary w/ produced water. POOH standing back 2-3/8" tubing and packer.
10. MIRU WL. Make GA run to 6,980'. GIH w/ CIBP (if permanent PB) or CBP (if temporary PB) and set at +/- 6,975'.
11. TIH w/Baker Model "X" SN (ID 1.875"), 1 jt tbg, Baker A-3 Lock-set packer w/ FL-22 on-off tool & +/- 214 jts tbg. Set packer at +/- 6,860' and EOT at +/- 6,890'. Land tubing hanger w/ 10K overpull on packer. Test TCA to 1,000 psi.
12. RU swabbing equipment and swab tubing down to 3,000' to establish +/-1,500 psi underbalance (assumes 8.9 ppg pore pressure).
13. Perf upper Morrison interval w/ 1-11/16" Shogun strip gun from 6,948' – 51' w/2 JSPF (Owen STP-1687-401 NT, 9grm, 0.24" dia., 16.64" pene., 6 holes). POH w/ guns.

Upper Morrison Perfs

Perforation Interval	CCL
6,948' – 6,951'	

14. Flow test the upper Morrison interval. Report rates and pressures to Chris Clark. Based upon flow test results stimulate the well w/ acid, or plugback as directed.
15. If Morrison is a productive zone perform the following: Set a blanking plug in the on-off tool seating nipple profile, release from the on-off tool and circulate the well with 126 BBLS of produced water containing 1% by volume (53 gallons) of H&M C-1000 corrosion inhibitor/oxygen scavenger. Displace the packer fluid w/ one tubing volume of produced water. Engage the on-off tool and land tubing in the tubing head. ND BOP and NU tree. RU sandline and retrieve the blanking plug from the well. Swab well in and flow back load water. RD and MOL w/ PU. The well will be shut in until a NSL is approved in the Morrison and delivered after battery hookup and NSL approval are complete.

16. If Morrison is not commercial plug back the well as follows: Kill well as necessary w/ produced water and POOH standing back 2-3/8" tubing and packer.
17. MIRU WL. Make GA run to 6,945'. GIH w/ CIBP and set at +/- 6,945'. Dump bail 10' of cmt on top of CIBP to temporarily plug back the Morrison interval. Note: PBTB @ +/- 6,935' w/ 68' of rat-hole for Lower Dakota.
18. TIH w/Baker Model "X" SN (ID 1.875"), 1 jt tbg, Baker A-3 Lock-set packer w/ FL-22 on-off tool & +/-212 jts tbg. Set packer at +/- 6,800' and EOT at +/-6,830'. Land tubing hanger w/ 10K overpull on packer. Test TCA to 1,000 psi.
19. RU swabbing equipment and swab tubing down to 3,000' to establish +/-1,500 psi underbalance (assumes 8.9 ppg pore pressure).
20. Perf Lower Dakota interval w/ 1-11/16" Shogun strip gun from 6,864' - 67' w/2 JSPF (Owen STP-1687-401 NT, 9grm, 0.24" dia., 16.64" pene., 6 holes). POH w/ guns.

Lower Dakota Perfs

Perforation Interval	CCL
6,864' - 6,867'	

21. Flow test the Lower Dakota interval. Report rates and pressures to Chris Clark. Based upon flow test results stimulate the well w/ acid and/or hydraulic fracturing or plugback as directed.
22. If elect to acidize the well: MIRU single pump truck, acid bulk truck with 500 gallons 15% NEFE HCL. Test lines at 6,150# prior to pumping. Establish injection into perforations with produced water. After injection is established, bullhead 500 gallons of 15% NEFE HCL and over displace by 5 bbls. Record acid job on chart and record ISIP, 5", 10" & 15" SIP's. RDMO acid equipment.
23. Swab in well as necessary and flow test Lower Dakota. Catch produced water samples (if present) after load water is recovered. Report rates and pressures to Chris Clark. Based upon flow test results, plugback or frac as directed.