Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

**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 page 2***

RECEIVED
MAR 27 2008
Bureau of Land Management
Farmington Field Office

5. Lease Serial No
NMSF-078089

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
SCOTT E FEDERAL 24 #21

2. Name of Operator
XTO Energy Inc.

9. API Well No.
30-045-29180

3a. Address
382 CR 3100 Aztec, NM 87410

3b. Phone No (include area code)
505-333-3100

10 Field and Pool, or Exploratory Area
PICTURED CLIFFS, WEST

4. Location of Well (Footage, Sec , T., R., M., or Survey Description)
1190' FNL & 1850' FWL SEC 24C-T27N-R11W

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 | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☒ Recomplete | ☒ Other DOWNHOLE COMMINGLE |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ 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 recomplete 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 recompletion 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. intends to recomplete this well to the Basin Fruitland Coal per the attached procedure. Please see also the attached plats. After testing the Fruitland Coal XTO, would like to downhole commingle this well. Allocations will provided at that time.

RCVD APR 4 '08
OIL CONS. DIV.
DIST. 3

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

Apply for DHC on State Form C-103

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) LORRI D. BINGHAM Title REGULATORY COMPLIANCE TECH

Signature Date 3/25/08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by Title Pet. Eng. Date 4/1/08

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 FFO

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

NMOCD

Approved_____

**Scott E. Federal 24 # 21**
**Unit C, Sec 24, T 27 N, R 11 W**
**San Juan County, New Mexico**

**OAP (Fruitland Coal) & DHC**

**Surf csg:** 8-5/8", 24#, J-55, ST&C csg @ 314'. Cmt w/215 sx, circ to. surf.
**Prod csg:** 5-1/2", 15.5#, K-55, ST&C csg @ 2,128'. Mrk jt fr/1,850' – 1,860'. PBTD @ 2,038'.
**Cement:** Cmt w/210 sx 65/35/6 lite and 135 sx class "B" cmt. Circulated 14 bbls cmt to surface.
**Csg specs:** 0.0238 bbl/ft **Max TP: 3,850 psi**
**Tbg:** 2-3/8" x 30' OEMA, SN, 63 jts 2-3/8" tbg. SN @ 1,976'. EOT @ 2,007'.
**Rods & Pmp:** 2" x 1-1/2" x 12' RWAC-Z (DV) & 3/4" x 4' GAC, RHBO tl, spiral rod guide, 1" x 1' LS, 78 – 3/4" Norris gr "D" rods, 3/4" x 6' & 1-1/4" x 16' PR w/8' lnr.
**Perforations:** PC: 1,920'-1,950' (24 holes)

**Completion Procedure (Revised)**

1) MI & set 5 - 400 bbl frac tanks and fill with produced water. Set flowback tank.

2) MIRU PU.

3) Blow well down and kill well with produced water.

4) TOH and lay down rods and BHA.

5) ND WH. NU and pressure test BOP.

6) TOH w/tbg and BHA. TIH with scraper, SN and 2-3/8" tbg to 1,960'. TOH with 2-3/8" tbg and scraper. RDMO PU.

7) MIRU wireline truck. RU full lubricator. Use the Scott E. Federal 24 # 21 Petro Wireline GR/CBL Log dated 12/12/94. TIH and set a 5-1/2" CBP at ±1,915' (collars @ 1,900' & 1,945').
Pressure test CBP & casing.

8) Perf Fruitland Coal with 4" csg gun with 3 JSPF (Owen HSC-4000-316, 120 phasing, 19 gm charges, 0.44" dia., 20.40" penetration, 18 holes). POH with csg gun.

**Fruitland Coal Perfs-1st Stage**

| Perf | CCL | Perf | CCL |
|---|---|---|---|
| 1,906' | | 1,890' | |
| 1,905' | | | |
| 1,904' | | | |
| 1,903' | | | |
| 1,902' | | | |

9) MIRU Halliburton, N2 frac equip, acid and pump truck. BD Fruitland Coal perfs from 1,890'-1,906' and EIR with produced water. Acidize with 900 gals of 15% NEFE HCl (will not be running BS). Max TP 3,850 psig. Flush with 2,030 gals produced water (3 bbls over flush). Record ISIP, 5", 10" and 15" SIP's. RDMO acid and pump truck.

10) Frac Fruitland Coal perfs from 1,890'-1,906' down 5-1/2" csg at 40 BPM with 15,000 gals 70Q, N2 foamed and FR-46 water carrying 50,000# 20/40 Premium Brown sand coated with Sandwedge. Do not exceed 3,850 psig. After seeing a 2# drop on the blender densitometer, switch to tub bypass. Flush with 1,850 gals of FR-46 fld (1 bbls under flush). Shut down when either volume is 0 gals or when bottom hole prop con equals 1.5#. Record ISIP, 5" SIP's. RD Halliburton.

**1st Stage Fruitland Coal Schedule**

| Stage | BPM | Fluid System | Vol gals | Prop Conc | Prop | Sand Size |
|---|---|---|---|---|---|---|
| Load & Break | 5 | Produced wtr | 2700 | - | - | - |
| Acid | 7 | 15% HCl | 900 | - | - | - |
| Flush | 7 | Produced wtr w/gasperm | 2030 | - | - | - |
| Pad | 40 | FR-46 Water 70Q Foam | 8000 | - | - | - |
| 1 | 40 | FR-46 Water 70Q Foam | 10000 | 0.5 | 5000 | 20/40 |
| 2 | 40 | FR-46 Water 70Q Foam | 10000 | 1 | 10000 | 20/40 |
| 3 | 40 | FR-46 Water 70Q Foam | 10000 | 2 | 20000 | 20/40 |
| 4 | 40 | FR-46 Water 70Q Foam | 5000 | 3 | 15000 | 20/40 |
| Flush | 40 | FR-46 Water | 1850 | - | - | - |

11) RU wireline truck. RU full lubricator. Use the Scott E. Federal 24 # 21 Petro Wireline GR/CBL Log dated 12/12/94. TIH and set a 5-1/2" CBP at ±1,820' (collars @ 1,802' & 1,846'). Load casing with 2% KCl water. Pressure test CBP to 3850 psig. Release pressure.

12) Perf Fruitland Coal with 4" csg gun with 3 JSPF (Owen HSC-4000-316, 120 phasing, 19 gm charges, 0.44" dia., 20.40" penetration, 27 holes). POH with csg gun.

**Fruitland Coal Perfs-2nd Stage**

| Perf | CCL | Perf | CCL |
|---|---|---|---|
| 1,769' | | 1,727' | |
| 1,755' | | 1,711' | |
| 1,733' | | 1,710' | |
| 1,729' | | 1,709' | |
| 1,728' | | | |

13) RU acid and pump truck. BD Fruitland Coal perfs from 1,709'-1,769' and EIR with produced water. Acidize with 1,500 gals of 15% NEFE HCl and 41 BS at 10 BPM. Max TP 3,850 psig. Flush with 1,895 gals produced water (3 bbls over flush). Record ISIP, 5", 10" and 15" SIP's. RDMO acid and pump truck.

14) TIH with junk basket to 1,780' to knock off BS. Take note to use caution due to the CBP at 1,820'. TOH with junk basket. RD WL.

15) RU Halliburton and N2 frac equip. Frac Fruitland Coal perfs from 1,709'-1,769' down 5-1/2" csg at 50 BPM with 15,000 gals 70Q, N2 foamed and FR-46 water carrying 50,000# 20/40 Premium Brown sand coated with Sandwedge. Do not exceed 3,850 psig. After seeing a 2# drop on the blender densitometer stage into flush. Flush with 1,580 gals of XL foamed fluid (3 bbls under flush). Shut down when either volume is 0 gals or when bottom hole prop con equals 1.5#. Record ISIP, 5" SIP's.

**2nd Stage Fruitland Coal Schedule**

| Stage | BPM | Fluid System | Vol gals | Prop Conc | Prop | Sand Size |
|---|---|---|---|---|---|---|
| Load & Break | 3 | Produced wtr | 1200 | - | - | - |
| Acid | 7 | 15% HCl | 1500 | - | - | - |
| Flush | 7 | Produced wtr w/gasperm | 1895 | - | - | - |
| Pad | 50 | FR-46 Water 70Q Foam | 8000 | - | - | - |
| 1 | 50 | FR-46 Water 70Q Foam | 10000 | 0.5 | 5000 | 20/40 |
| 2 | 50 | FR-46 Water 70Q Foam | 10000 | 1 | 10000 | 20/40 |
| 3 | 50 | FR-46 Water 70Q Foam | 10000 | 2 | 20000 | 20/40 |
| 4 | 50 | FR-46 Water 70Q Foam | 5000 | 3 | 15000 | 20/40 |
| Flush | 50 | FR-46 Water 70Q Foam | 1580 | - | - | - |

16) SWI 4 hrs. RDMO Halliburton and N2 frac equip. Flow back well thru a choke manifold to flowback tank. Start with 8/64" ck. Increase choke size as appropriate.

17) **DO NOT DHC THE BASIN FRUITLAND COAL/WEST KUTZ PC.**

18) MIRU PU.

19) ND WH. NU and pressure test BOP.

20) BD well and kill well with produced water.

21) MIRU air/foam unit. TIH with 4-3/4" bit, SN and 2-3/8" tubing. CO to CBP at 1,820'. DO CBP @ 1,820'. CO to CBP @ 1,915'. RDMO air/foam unit.

22) TOH with tubing BHA. TIH with 2-3/8" x 20' OEMA w/1/4" weep hole and pin, SN, and ± 63 jts 2-3/8" tubing. Land EOT @ ±1,918', SN @ ±1,888'. ND BOP. NU WH.

23) TIH with 2" x 1-1/2" x 12' RWAC-Z (DV) pump with 3/4" x 4' GAC, RHBO TL, spiral rod guide, 1" x 1' lift sub, ±74 – 3/4" grade D rods and 1-1/4" x 16' polish rod w/8' liner. Space out pump as needed.

24) Load tubing and check pump action.

25) RDMO PU.

26) Start well pumping at 5 SPM and 54" SL.

27) Report rates and pressures to Matthew Phillips.

**28) Produce the Fruitland Coal for 30 – 90 days depending on when the production levels off for Fruitland Coal allocations. Matthew Phillips will determine when to go in and DHC the Fruitland Coal and Picture Cliff formations.**

29) MI 1-400 bbl frac tank and 1 flow back tank.

30) MIRU PU.

31) Blow well down and kill well with produced water.

32) TOH and lay down rods and BHA.

33) ND WH. NU and pressure test BOP.

34) TOH w/tbg and BHA. MIRU air/foam unit. TIH with 4-3/4" bit, SN and 2-3/8" tubing. CO to CBP at 1,915'. DO CBP @ 1,913' to PBTD @ 2,038'. CIRC wellbore clean. RDMO air/foam unit.

35) TOH w/bit and tbg.

36) TIH with 2-3/8" x 30' OEMA w/1/4" weep hole and pin, SN, and ± 65 jts 2-3/8" tubing. Land EOT @ ±1,980', SN @ ±1,950'. ND BOP. NU WH.

37) TIH with 2" x 1-1/2" x 12' RWAC-Z (DV) pump with 3/4" x 4' GAC, RHBO TL, spiral rod guide, 1" x 1' lift sub, ±77 – 3/4" grade D rods and 1-1/4" x 16' polish rod w/8' liner. Space out pump as needed.

38) Load tubing and check pump action.

39) RDMO PU.

40) Start well pumping at 5 SPM and 54" SL.

41) Report rate and pressures to Matthew Phillips

**Regulatory:**

1. Obtain approval to DHC the Fruitland Coal and Pictured Cliffs formations.
2. Submit sundry to OAP in the Fruitland Coal formation.

**Equipment:**

1. CBP

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. 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 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
Fee Lease - 3 Copies
State Lease - 4 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-045-29180 | 71629 | BASIN FRUITLAND COAL |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 32623 | SCOTT E FEDERAL 24 | #21 |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 5380 | XTO Energy. Inc. | 6216' |

[10] Surface Location

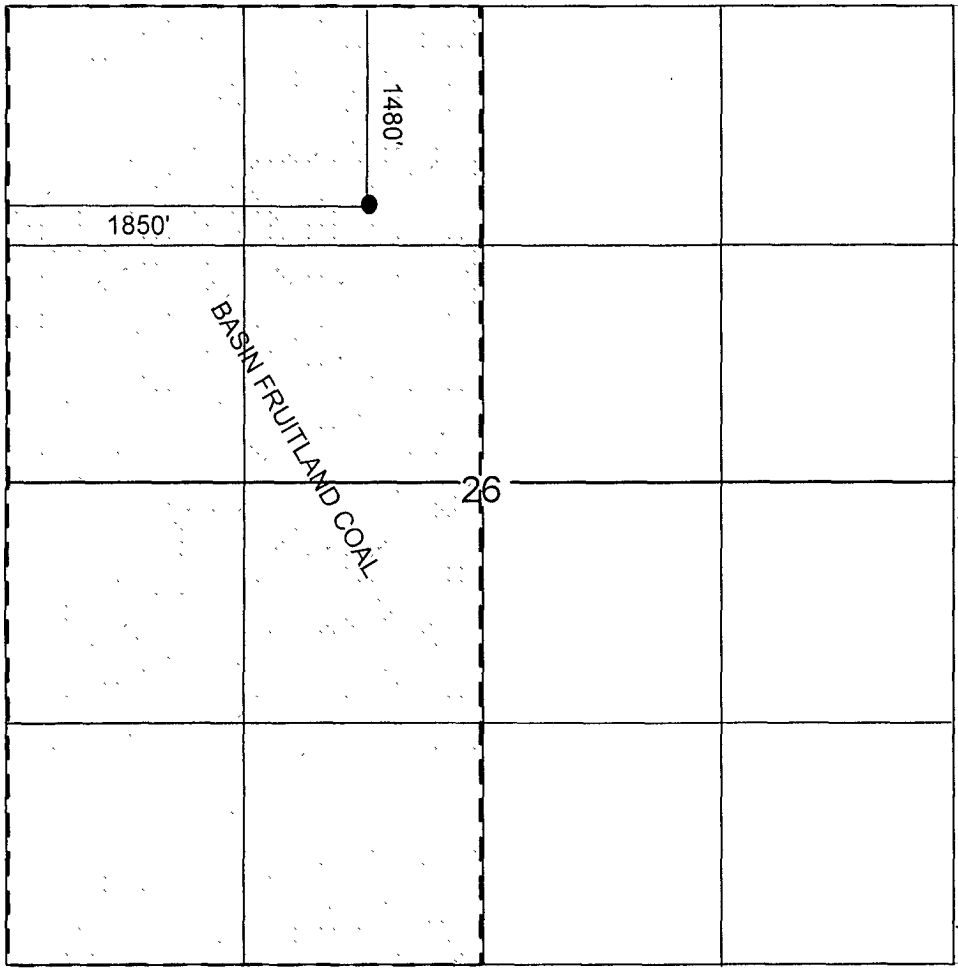
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| C | 24 | 27N | 11W | | 1190 | NORTH | 1850 | WEST | SAN JUAN |

[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 |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| 320 FC | | | |

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




## [17] OPERATOR CERTIFICATION

*I hereby certify that the information contained herein is true & complete to the best of my knowledge & 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 of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division*

Signature

Lorri D. Bingham
Printed Name

Regulatory Compliance Tech
Title

3/26/08
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 & correct to the best of my belief.*

MARCH 21, 2000
Date of Survey

Original Survey Signed By:

NEALE C. WEWARDS

6857
Certificate Number

# BLM CONDITIONS OF APPROVAL

*WORKOVER AND RECOMPLETION OPERATIONS*:

1. **A properly functioning BOP and related equipment must be installed prior to commencing workover and/or recompletion operations.**

2. **If this well is in a Seasonal Closure Area, adhere to the closure requirements and timeframes.**

3. **If casing repair operations are needed, obtain prior approval from this office before commencing repairs**

*SURFACE USE OPERATIONS*:

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

*STANDARD STIPULATIONS*: All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of workover activities.

*SPECIAL STIPULATIONS*:

1. **Pits will be fenced during workover operation.**

2. **All disturbance will be kept on existing pad.**

3. **All pits will be pulled and closed immediately upon completion of the workover activities.**

4. **Pits will be lined with an impervious material at least 12 mils thick.**