

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

APR 22 2008

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. Bureau of Land Management Farmington Field Office

Lease Serial No.

NMSE-078895

Indian, Allottee or Tribe Name  
Office

SUBMIT IN TRIPLICATE - Other instructions on page 2

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator

XTO Energy Inc.

3a. Address

382 CR 3100 Aztec, NM 87410

3b. Phone No. (include area code)

505-333-3100

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

850' FSL & 850' FEL SEC 18P-T27N-R11W

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

8. Well Name and No.

MUDGE A #11

9. API Well No.

30-045-24268

10. Field and Pool, or Exploratory Area

KUTZ W. PICTURED CLIFFS

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

- ☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off  
☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity  
☐ Casing Repair ☐ New Construction ☒ Recomplete ☐ Other  
☐ 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 recompleate 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 recompleation 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 recompleate this well to the Basin Fruitland Coal per the attached procedure.  
Please see also, the attached C-102.

RCVD APR 24 '08

OIL CONS. DIV.

DIST. 3

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

LORRI D. BINGHAM

Title REGULATORY COMPLIANCE TECH

Signature

Date 4/21/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Original Signed: Stephen Mason

Title

Date

APR 23 2008

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

NMOCDA

**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**

<sup>1</sup> API Number 30-045-24268		<sup>2</sup> Pool Code 71629		<sup>3</sup> Pool Name BASIN FRUITLAND COAL	
<sup>4</sup> Property Code 303843		<sup>5</sup> Property Name MUDGE "A"			<sup>6</sup> Well Number #11
<sup>7</sup> GRID No. 5380		<sup>8</sup> Operator Name XTO Energy, Inc.			<sup>9</sup> Elevation 6174'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	27N	11W		850'	SOUTH	850'	EAST	SAN JUAN

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 320 FC	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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

	<p><sup>17</sup> <b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true &amp; complete to the best of my knowledge &amp; 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 compulsory pooling order heretofore entered by the division.</p> <p> Signature</p> <p>Lorri D. Bingham Printed Name</p> <p>Regulatory Compliance Tech Title</p> <p>4/21/08 Date</p>
	<p><sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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 &amp; correct to the best of my belief.</p>
	<p>MARCH 21, 2000 Date of Survey</p> <p>Original Survey Signed By: NEALE C. WEWARDS</p>
	<p>6857 Certificate Number</p>

Approved Matthew 4/11/08

**Mudge A # 11  
Unit P, Sec 18, T 27 N, R 11 W  
San Juan County, New Mexico**

**OAP in FC, DHC & PWOP**

**Surf csg:** 8-5/8" csg @ 138'. Cmt w/100 sx cmt. Circ cmt to surf.

**Prod csg:** 4-1/2", 10.5#, K-55 csg @ 2,030'. Cmt w/315 sx cmt. PBTD @ 1,970'.

**Csg capacity:** .0159 bbls/ft

**Max TP: 3,000 psig**

**Tubing:** 1", 1.7#, V-55 tbg. EOT @ 1,853'.

**Perforations:** PC FR/1,826' - 1,870'

**Note:** The well is located in a crop circle.

**OAP Procedure**

- 1) Check for anchors.
- 2) MIRU PU.
- 3) ND WH. NU BOP.
- 4) Kill well w/produced water if needed.
- 5) TOH & LD 1" tbg. **DO NOT** TIH to tag for fill with this tbg. The tbg conditions are unknown. Use extreme caution when TOH w/tbg.
- 6) ND BOP. Install 5K frac vlv.
- 7) RDMO PU.
- 8) MI & set 3 - 400 bbl frac tanks and fill with produced water. Set flowback tank.
- 9) MIRU wireline truck. RU full lubricator. Use the Mudge A # 11 Schlumberger Perforating depth control log dated 06/26/80 to correlate perf depths.
- 10) TIH w/CBP. Set CBP @ 1,817' (collar @ 1,807').
- 11) Pressure test CBP to 3,000 psi for 5 min.
- 12) Perf Fruitland Coal with 3.125" csg gun with 3 JSPF (Owen HSC-3125-332, 120 phasing, 11 gm charges, 0.39" dia., 23.30" penetration, 48 holes). POH with csg gun.

**Fruitland Coal Perfs**

Perfs
1,784'-1,791'
1,776'-1,779'
1,768'-1,771'
1,747'-1,750'

- 13) MIRU acid, frac & N2 equip. Load & BD Fruitland Coal perfs from 1,747'-1,791' at a rate of 5 BPM with produced water. Record the BD pressure and switch to acid at a rate of 10 BPM. Acidize with a total of 1,000 gals of 15% NEFE HCl and a total of 75 BS. Max TP for ball off is 3,000 psig. Flush with 1,322 gals (31.5 bbls) produced water & gasperm (3 bbls over flush) at a rate of 10 BPM. Record ISIP, 5" SIP's. RD acid truck.
- 14) TIH with junk basket to 1,795' to knock off BS. RDMO WL.
- 15) Frac Fruitland Coal perfs from 1,747'-1,791' down 4-1/2" csg at 55 BPM with a 70Q slickwater foam carrying 85,100# 20/40 Premium Brown sand coated with Sandwedge. Do not exceed 3,000 psig. After seeing a 1.5# drop on the blender densitometer, switch to flush. Flush with 1,040 gals (468 gals @ 55Q) of 55Q slickwater (3 bbls under flush). Shut down when either volume is 0 gals or when bottom hole prop con equals 2#. Record ISIP, 5" SIP's. RD Halliburton.

Stage	BPM	Fluid System	Vol gals	Prop Conc	Prop	Sand Size
Load & Break	5	Produced wtr	2000	—	—	—
Acid	10	15% NEFE HCl	1000	—	—	—
Acid Flush	10	Produced wtr	1322	—	—	—
Pad	55	70Q Slickwater	15000	—	—	—
1	55	70Q Slickwater	10000	0.5	5000	20/40
2	55	70Q Slickwater	20000	1	20000	20/40
3	55	70Q Slickwater	10000	2	20000	20/40
4	55	70Q Slickwater	6700	3	20100	20/40
5	55	70Q Slickwater	5000	3-5 ramp	20000	20/40
Flush	55	55Q Slickwater	1040	0	0	—

- 16) SWI for 30 min. RDMO Halliburton frac equip. After 30 min flow well to flowback tank.
- 17) Use the SICP for the C-104. Submit this information to Lorri Bingham. (EOT to be submitted with the C-104 is 1,798')
- 18) ND Frac vlv. NU WH.

## PWOP

- 19) MI & set cmt pmp unit pad.
- 20) Set (LP) Churchill CH50-89-42 w/18 HP Kolher engine. (check w/foreman for the engine make)
- 21) MIRU PU.
- 22) ND WH. NU and pressure test BOP.

- 23) BD well and kill well with produced water.
- 24) MIRU AFU.
- 25) PU & TIH w/3-7/8" bit & ±56 jts 2-3/8" tbg. Tag for fill. CO fill w/AFU to 1,817' (CBP). **DO NOT DO CBP**. Circ on bottom for 1 hr. RD AFU. TOH w/1 jts tbg. TOH w/tbg & BHA.
- 26) TIH w/20' x 2-3/8" OEMA w/weep hole and pin, SN, ±54 jts 2-3/8" tbg. Land EOT @ 1,798'.
- 27) RU swb tls. Swb well till the fluid is clean with no solids. TIH w/1 jnt 2-3/8" tbg to tag for fill. TOH & LD 1 jnt 2-3/8" tbg. Land EOT @ 1,798'.
- 28) ND BOP. NU WH.
- 29) TIH w/2" x 1-1/2" x 10' RHAC-Z (DV) pmp w/strainer nipple, spiral rod guide, RHBO tl, lift sub, 2 1-1/2" SB, ±70 jts 3/4" grade D rods, 16' x 1-1/4" PR w/8' x 1-1/2" liner.
- 30) Install Enviro-pack stuffing box.
- 31) Load tbg. PT tbg to 500 psig. Release pressure. Check pump action of pmp to the rig pit.
- 32) HWO. RDMO PU.
- 33) Start the pmp unit at 5 x 42" SPM. The SPM can be increased or decreased pending water production.
- 34) **Test Fruitland Coal formation for 30 – 60 days for allocations**
- 35) MIRU PU.
- 36) TOH. 2" x 1-1/2" x 10' RHAC-Z (DV) pmp w/strainer nipple, spiral rod guide, RHBO tl, lift sub, 2 1-1/2" SB, ±70 jts 3/4" grade D rods, 16' x 1-1/4" PR w/8' x 1-1/2" liner
- 37) ND WH. NU and pressure test BOP.
- 38) BD well and kill well with produced water.
- 39) TOH w/20' x 2-3/8" OEMA w/weep hole and pin, SN, ±54 jts 2-3/8" tbg.
- 40) PU & TIH w/3-7/8" bit, pmp blr & ±56 jts 2-3/8" tbg. Tag for fill. CO fill w/blr to 1,817' (CBP). DO CBP @ 1,817'. CO to 1,970'. TOH w/bit & BHA.
- 41) TIH w/30' x 2-3/8" OEMA w/weep hole and pin, SN, ±58 jts 2-3/8" tbg. Land EOT @ 1,910.
- 42) RU swb tls. Swb well till the fluid is clean with no solids. TIH w/2 jts 2-3/8" tbg to tag for fill. TOH & LD 2 jts 2-3/8" tbg. Land EOT @ 1,910.
- 43) ND BOP. NU WH.

- 44) TIH w/2" x 1-1/2" x 10' RHAC-Z (DV) pmp w/strainer nipple, spiral rod guide, RHBO tl, lift sub, 2 1-1/2" SB, ±73 jts 3/4" grade D rods, 16' x 1-1/4" PR w/8' x 1-1/2" liner.
- 45) Load tbq. PT tbq to 500 psig. Release pressure. Check pump action of pmp to the rig pit.
- 46) Start the pmp unit at 5 x 42" SPM. The SPM can be increased or decreased pending water production.

**Regulatory:**

1. Notify Pictured Cliffs partners of OAP in the Fruitland Coal.
2. Submit a notice of intent to recomplete the Fruitland Coal formation.
3. Submit C-104 from the Fruitland Coal formation with EOT
4. Submit allocations for the well for DHC approval.

**Equipment:**

1. Cmt pad
2. (LP) Churchill CH50-89-42
3. 18 HP Kolher engine
4. 3-7/8" bit
5. 61 jts 2-3/8" tbq
6. SN
7. NC
8. 20' x 2-3/8" OEMA w/weep hole and pin
9. 30' x 2-3/8" OEMA w/weep hole and pin
10. 2" x 1-1/2" x 10' RHAC-Z (DV) pmp w/strainer nipple
11. spiral rod guide
12. RHBO tl
13. lift sub
14. 2 1-1/2" SB
15. ±73 jts 3/4" grade D rods
16. 16' x 1-1/4" PR
17. 8' x 1-1/2" liner
18. CBP
19. AFU
20. Pmp BLR
21. Flowback Tank
22. 3 Frac Tanks
23. Produced water
24. 5K frac vlv