

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.*

5 Lease Serial No

**NMSF-078641**

6. If Indian, Allottee or Tribe Name

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

8 Well Name and No

**OH RANDEL 14 #1E**

9 API Well No

**30-045-34010**

10 Field and Pool, or Exploratory Area

**BASIN DAKOTA/GALLEGOS GALLUP**

11 County or Parish, State

**SAN JUAN**

**NM**

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

**RECEIVED**

**JUN 03 2010**

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)

**665' FSL & 800' FWL SWSW SEC 14M-T26N-R11W N.M.P.M.**

**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

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☒ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other

**RC FRUITLAND COAL**

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 Fruitland Coal zone per the attached procedure.**

**Please also see the attached plat for the Fruitland Coal zone.**

**RCVD JUN 7 '10**

**OIL CONS. DIV.**

**DIST. 3**

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

**TEENA M. WHITING**

Title **REGULATORY COMPLIANCE TECHNICIAN**

Signature

*Teena M. Whiting*

Date **6/2/2010**

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

Approved by

**Original Signed: Stephen Mason**

Title

Date

**JUN 04 2010**

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

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

**NMOCO**

**OH Randel 14 #1E**  
**Unit M, Sec 14, T 26 N, R 11 W**  
**San Juan County, New Mexico**

**Add the Fruitland Coal**

**AFE/ACCT #:** 1000374/97078

**SURF CSG:** 8-5/8", 24#, J-55, CSG @ 372'. CIRC CMT TO SURF.

**PROD CSG:** 5-1/2", 15.5, J-55, CSG @ 6,693'. PBTD @ 6,647'.

CAPACITY = 0.0238BBLS/FT (0.1336 CUFT/FT).

BURST = 4,810 PSI (TREATING @ 80% = 3,848 PSI)

**CEMENT:** CMT'D W/ 600 SX PREM LITE HS CMT AND 250 SX TYPE III CMT. TOC @ 5,360' (CBL).

**PERFS:** DAKOTA:  
FR/6,267'-6,420'

GALLUP:  
FR/5,574'-5,436'

**Workover Procedure**

- 1) Install and test rig anchors. Comply with all New Mexico OCD, BLM and XTO safety rules and regulations. Conduct safety meeting for all personnel on location. MIRU daylight pulling unit.
- 2) MI 2 - 400 bbl frac tanks and 1 flow back tank. Fill the frac tanks with fresh water. Note: Have frac company run preliminary fluid quality tests and add biocide.
- 3) ND WH. NU BOP and test the BOP.
- 4) TOH 192 jts tbg & LD 126 jts tbg and BHA. Leave at least 2,000' in derrick ( $\pm 66$  jts).
- 5) Round trip a 4-3/4" bit and 5-1/2" casing scraper to 2,015', not a wireline gauge ring.
- 6) TIH with 5-1/2" CIBP and set at 2,000'. TOH with tbg.
- 7) Perf the Fruitland Coal @ 3 JSPF (Titan EXP-3323-361T, 22.7 gm, 120 deg phasing, 0.36" dia., 35.63" penetration, total 23 holes) or equivalent performance charges. POH with csg gun.

PERF Interval	CCL
1,734'-1,728'	
1,693'	

- 8) TIH with retrievable tension packer (5-1/2" Baker Arrow-set Fullbore with SN and SV) on 3-1/2" N-80 work string and set at 1,600'.

- 3-1/2" 9.2#, N-80 **Capacity:** 0.0087 bbls/ft **Burst:** 8,128 psi (80% of yield)

- 9) NU frac valve.
- 10) Load & BD Fruitland Coal perms from 1,693'-1,734' at a rate of 3 BPM with fresh water & gasperm down casing. Record the BD pressure and switch to acid at a rate of 3 BPM (will not be balling off this stage). Spearhead 500 gals of 15% NEFE HCl acid. Flush w/100 gals fresh water & gasperm to confirm good injection rate.
- 11) Frac the Fruitland Coal perms from 1,693'-1,734' down casing at 30 BPM with 28,000 gals 70Q, N2 foamed 16# XL fld carrying 50,000# 20/40 BASF sand coated with Sandwedge. Max TP: 3,800 psi. Expected TP: 2,400 psi. After seeing a 2# drop on the blender densitometer, switch to tub bypass. Flush with 605 gals of fresh water & Gasperm at 15 BPM (just short of top perf). Shut down when the volume is 0 gals.

Fruitland Coal Schedule						
Stage	BPM	Fluid	Foam Vol.	Clean Vol. (gal)	Prop	Cum. Prop
Water	3	Fresh water w/ gasperm	-	1,000	-	-
Acid	3	15% NEFE HCL	-	500	-	-
Flush	3	fresh water w/ gasperm	-	100	-	-
Pad	30	16# 70Q XL Foam	3,650	1,100	-	-
0.5 ppg	30	16# 70Q XL Foam	5,000	1,500	2,500# 20/40	2,500# 20/40
1 ppg	30	16# 70Q XL Foam	5,000	1,500	5,000# 20/40	7,500# 20/40
2 ppg	30	16# 70Q XL Foam	4,500	1,350	9,000# 20/40	16,500# 20/40
3 ppg	30	16# 70Q XL Foam	5,330	1,600	16,000# 20/40	32,500# 20/40
4 ppg	30	16# 70Q XL Foam	4,375	1,313	17,500# 20/40	50,000# 20/40
Flush	15	Fresh water w/ gasperm	-	605	-	-
Total	28,000 gals 16# XL		11,000 gal		50,000# 20/40	

Record ISIP & 5" SIP.

- 12) ND frac valve. Release packer and TOH.
- 13) MIRU AFU. TIH w/4-3/4" bit, bit sub, and 2-3/8" tubing. CO fill to 2,000' (CIBP). TOH and LD bit and bit sub.
- 14) Install flowback manifold. Flowback well through a choke manifold to flowback tank. Start with an 8/64" choke. Increase choke size as appropriate. Record the final shut in pressure to be used for the C-104.
- 15) TIH with tubing BHA as follows:
- a) 1- 2-3/8" jt w/ 1/2" vent hole located 1' from top (open ended)
  - b) 2-3/8" (1.78" ID) API SN
  - c) ±56 jts - 2-3/8" tubing to surface, EOT @ 1,830', SN @ 1,800'.
- 16) ND BOP. NU WH.

17) TIH with rod assembly as follows:

- 2" X 1-1/2" X 10' X 2' RWAC pump w/ 1" X 1' stnr nip
- Spiral rod guide
- RHBO tl
- 4- 1-1/4" API K sinker bars with stabilizer rods
- 8 - 3/4" API D Molded Guide Rods w/ T-couplings
- 60- 3/4" API D Rods w/ T-couplings
- 1-1/4" X 16' Polished Rod w/ 8' liner

18) Space out pump with spacer subs. Load tubing and long stroke with rig to ensure pump action.  
HWO

19) RDMO PU.

20) Remove the Lufkin C160-200-74 and Arrow C-96 gas engine and send to yard.

21) Set a used Churchill 50-89-54 pumping unit, engine & cement base.

22) Set unit in crank hole & sheave meter so it will pump @ 3 x 54" spm.

23) Gauge tanks. Shoot FL and run dynamometer during pumping unit startup. Start well pumping at 3 SPM and 54" SL for 24 hours. Check fluid level and tank gauges.

24) Report pre and post start up data to Derick Lucas

**Regulatory:**

1. Acquire approval of C-144
2. Sundry of work

**Equipment:**

- 1- 5-1/2" CIBP
- AFU
- 2 – 400 bbl frac tank filled with Fresh water
- 1 – flowback tank
- Frac valve
- 1,600' 3-1/2" N-80 workstring
- 1- 5-1/2" retrievable tension packer

**Rods:**

- 2" X 1-1/2" X 10' X 2' RWAC pump w/ 1" X 1' stnr nip
- Spiral rod guide
- RHBO tl
- 4- 1-1/4" API K sinker bars with stabilizer rods
- 8 - 3/4" API D Molded Guide Rods w/ T-couplings
- 60- 3/4" API D Rods w/ T-couplings
- 1-1/4" X 16' Polished Rod w/ 8' liner

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 30-045-34010		<sup>2</sup> Pool Code 71629		<sup>3</sup> Pool Name BASIN FRUITLAND COAL	
<sup>4</sup> Property Code 36215		<sup>5</sup> Property Name OH RANDEL 14			<sup>6</sup> Well Number #1E
<sup>7</sup> OGRID No. 5380		<sup>8</sup> Operator Name XTO Energy, Inc.			<sup>9</sup> Elevation 6,421

<sup>10</sup>Surface Location

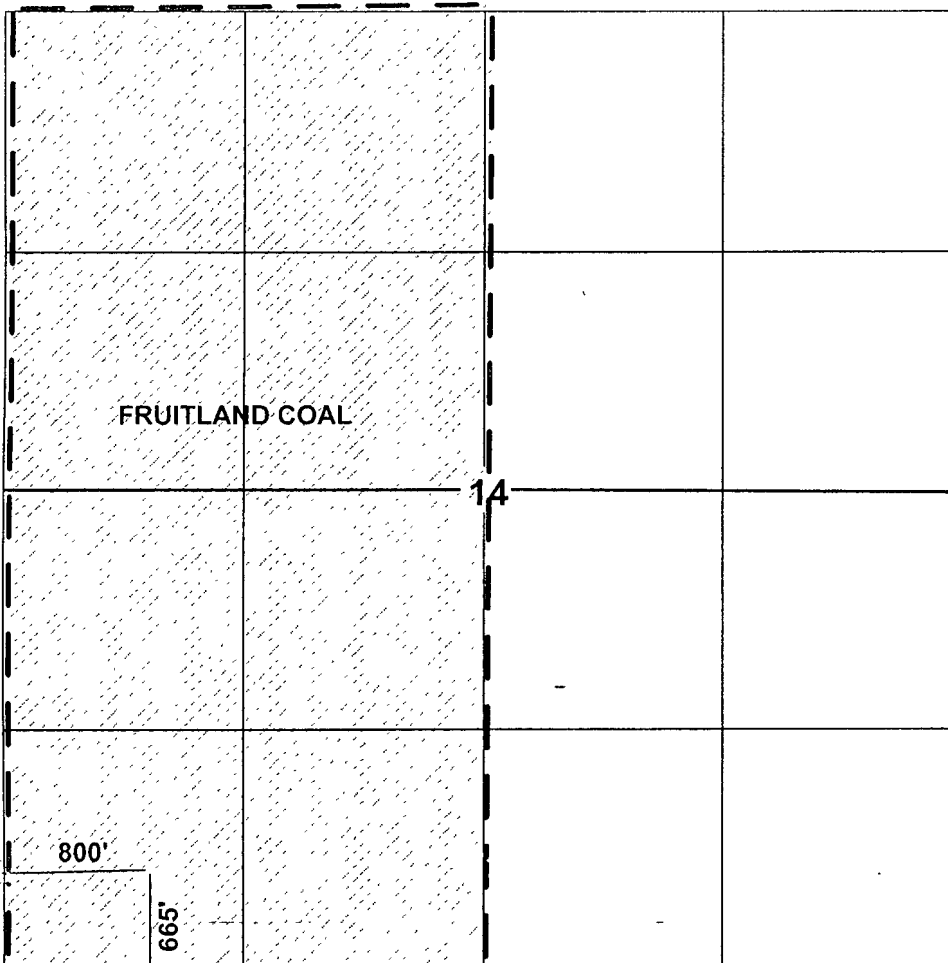
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	14	26N	11W		665	SOUTH	800	WEST	SAN JUAN

<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
SAME									

<sup>12</sup> Dedicated Acres FC 320 AC	<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

				<sup>17</sup> OPERATOR CERTIFICATION <i>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 a compulsory pooling order heretofore entered by the division</i>	
				Signature <i>Teena M. Whiting</i>	
				Printed Name TEENA M. WHITING	
				Title REGULATORY COMP TECH	
				Date 6/2/2010	
				<sup>18</sup> SURVEYOR CERTIFICATION <i>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.</i>	
				Date of Survey 6/23/1984	
				Original Survey Signed By: John A. Vukonich	
				Certificate Number 14831	