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.

RECEIVED
OCT 21 2011
Farmington Field Office
Bureau of Land Management

SUBMIT IN TRIPLICATE - *Other instructions on page 2*

5. Lease Serial No
NMSF-078641

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.
OH RANDEL 14 #1E

2. Name of Operator
XTO ENERGY INC.

9. API Well No.
30-045-34010

3a. Address
382 CR 3100 AZTEC, NM 87410

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

10 Field and Pool, or Exploratory Area
BASIN DAKOTA/GALLEGOS GALLUP
BASIN FRUITLAND COAL

4. Location of Well *(Footage, Sec , T , R., M., or Survey Description)*
665' FSL & 800' FWL SWSW Sec.14(M)-T26N-R11W N.M.P.M.

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
BP	☐ 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 plug and abandon this well per the attached procedure. Please see also the attached current and proposed wellbore diagrams.

RCVD OCT 25 '11

OIL CONS. DIV.

DIST. 3

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

Signature Date 10/20/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason Title Date OCT 24 2011

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

NMOCD

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

AV

WFL____
JB____
AFE approved____

OH Randel 14-1E

Location: 665' FSL & 800' FWL, Section 14, T26N, R11W, San Juan County, NM
API: 30-045-34010
Perfs: Dakota: 6,267'-6,420' Gallup: 5,436'-5,574' Fruitland Coal: 1,693'-1,734'
CIBP at 6,000' CIBP at 2,043'

PLUG AND ABANDONMENT PROCEDURE

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires an approved NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an approved steel tank to handle waste fluids circulated from the well and cement wash up.

2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MIRU pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing TOH and LD rods and pump. ND wellhead and NU BOP. Function test BOP. TOH with tubing and LD BHA.

3. TIH with 4-3/4" bit and DO CIBP's at 2,043' and at 6,000'. TIH and tag PBTD at 6,411' (CICR). TOH with tbg and LD BHA.

4. **Plug #1 (Dakota, 6,267' – 6,180'):** TIH and set a 5-1/2" CICR at 6,230'. Mix cement and pump 24 sxs Class B cement (12 sxs below CICR and 12 sx balanced plug on top of the CICR) to cover the Dakota top. TOH.

5. **Plug #2 (Gallup, 5,436' – ~~5,350~~ 5240'):** TIH and set a 5-1/2" CICR at 5,400'. Mix cement and pump ~~24~~ sxs Class B cement (12 sxs below CICR and ~~12~~ sx balanced plug on top of the CICR) to cover the Gallup top. TOH.

6. **Plug #3 (Mancos, 4,500' – 4,400'):** TIH and perforate 3 squeeze holes at 4,450'. Set a 5-1/2" CICR at 4,450'. Mix cement and pump 54 sxs Class B cement (30 sxs in annulus, 12 sxs below CICR and 12 sx balanced plug on top of the CICR) to cover the Mancos top TOH.

7. **Plug #4 (Mesaverde, ~~3,335~~ 2670' – ~~3,235~~ 2570'):** ~~TIH and set a 5-1/2" CICR at 3,285'~~. Mix cement and pump 24 sxs Class B cement (~~12 sxs below CICR and 12 sx balanced plug on top of the CICR~~) to cover the Mesaverde top. TOH.

8. **Plug #5 (Pictured Cliffs and Fruitland Coal, 1,693' – 1,170'):** TIH and set a 5-1/2" CICR at 1,650'. Mix cement and pump 72 sxs Class B cement (12 sxs below CICR and 60 sx balanced plug on top of the CICR) to cover the Pictured Cliffs and Fruitland Coal top. PUH to 875'.

9. **Plug #6 (Kirtland and Ojo Alamo tops, 875' - 675'):** Spot 29 sx Class B cement balanced plug inside casing to cover the Kirtland and Ojo Alamo tops. PUH to 422'.

10. **Plug #7 (Surface, 422' – Surface):** Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH Annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 54 sxs Class B cement and spot a balanced plug inside the casing from 422' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 5-1/2" casing and the BH annulus to surface. Shut well in and WOC.

11. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

Tops:

Casing shoe	372'	Mesaverde	3,285'
Ojo Alamo	725'	Mancos	4,449'
Kirtland	825'	Gallup	5,175'
Fruitland Coal	1,220'	Dakota	5,994'
Pictured Cliffs	1,745'		

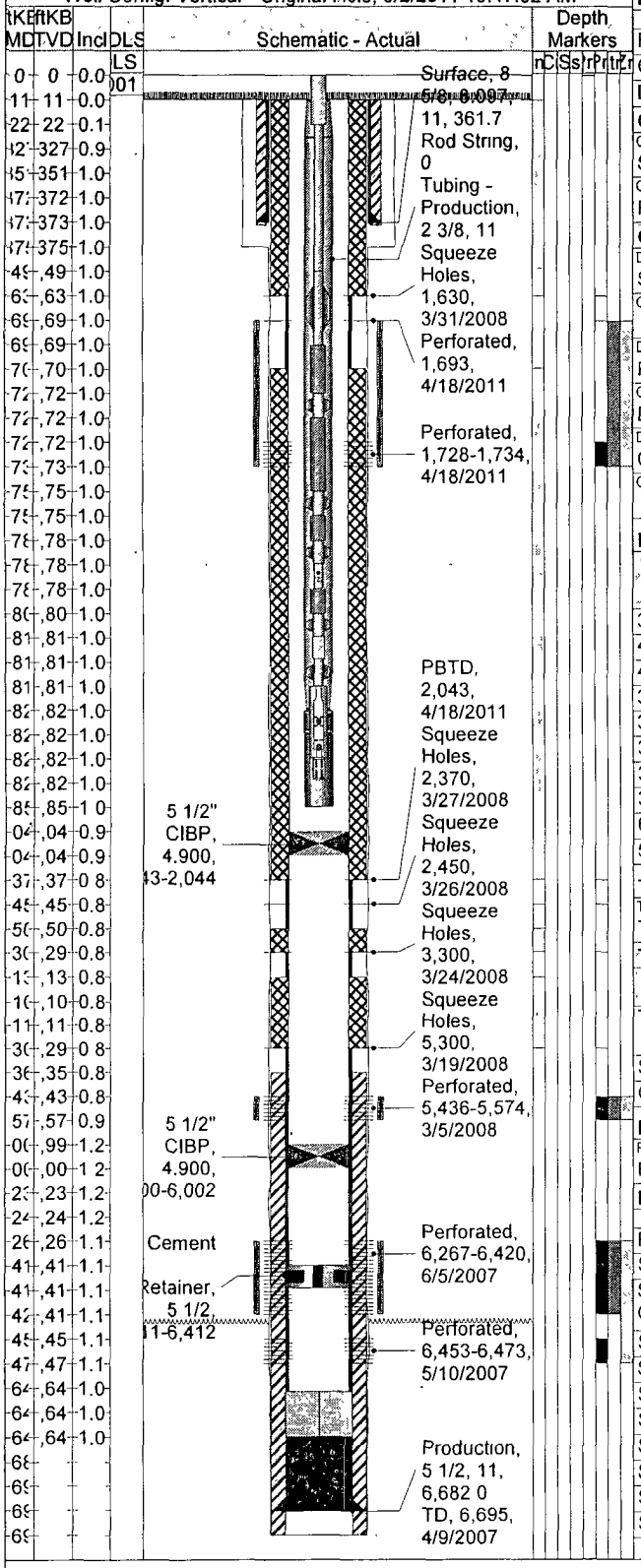
Downhole Well Bore Diagram

Well Name: OH Randel 14-01E

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
30045340100000	800.0	FWL	665.0	FSL	T26N-R11W-S14	Basin Dakota	San Juan	New Mexico

Well Configuration Type	XTO ID B	Orig KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	77299	6,432.00	6,421.00	11 00	4/3/2007	Original Hole - 2043.0	6,695.0	Beam

Well Config: Vertical - Original Hole, 9/2/2011 10:47:02 AM



Producing Zones

Zone	Top (ftKB)	Btm (ftKB)
Fruitland Coal	1,693.0	1,734.0
Gallup	5,436.0	5,574.0
Dakota	6,267.0	6,473.0

Casing Strings

Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK
Surface	8 5/8	24.00	J-55		372.7
Production	5 1/2	15.50	J-55		6,693.0

Cement

Description	Type	String
Surface Casing Cement	casing	Surface, 372.7ftKB

Comment:

Description	Type	String
Production Casing Cement	casing	Production, 6,693.0ftKB

Comment: Didn't circ cement, Locked up during displacement

Description	Type	String
Cement Squeeze	squeeze	Production, 6,693.0ftKB

Comment:

Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Zone
3/31/2008	1,630.0	1,630.0				
4/18/2011	1,693.0	1,693.0	3.0	0.360	120	Fruitland Coal
4/18/2011	1,728 0	1,734.0	3.0	0.360	120	Fruitland Coal
3/27/2008	2,370.0	2,370.0				
3/26/2008	2,450.0	2,450.0				
3/24/2008	3,300.0	3,300.0				
3/19/2008	5,300.0	5,300.0				
3/5/2008	5,436.0	5,574.0	1.0			Gallup
6/5/2007	6,267.0	6,420.0	1.0			Dakota
5/10/2007	6,453.0	6,473.0	2.0			Dakota

Tubing Strings

Tubing Description	Run Date	Set Depth (ftKB)
Tubing - Production	4/22/2011	1,850.9

Tubing Components

Item Description	Jts	Model	OD (in)	Wt (lbs/..	Gra...	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	55	T&C Upset	2 3/8	4.70	J-55		1,808.80	11.0	1,819.8
Seat Nipple	1		2 3/8				1.10	1,819.8	1,820.9
OEMA	1		2 3/8	4.70	J-55		30.00	1,820.9	1,850.9

Rods

Rod Description	Run Date	String Length (ft)	Set Depth (ftKB)
Rod String	4/22/2011	1,826.00	1,826 0

Rod Components

Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Polished Rod	1		1 1/4		22.00	0.0	22.0
Sucker Rod	59		3/4	D	1,475.00	22.0	1,497.0
Sucker Rod w/Molded Guides	8		3/4	D	200.00	1,497.0	1,697.0
Sinker Bar	1		1 1/4	K	25.00	1,697.0	1,722.0
Stabilizer Rod	1		7/8	D	4.00	1,722.0	1,726.0
Sinker Bar	1		1 1/4	K	25.00	1,726.0	1,751.0
Stabilizer Rod	1		7/8	D	4.00	1,751.0	1,755.0
Sinker Bar	1		1 1/4	K	25.00	1,755.0	1,780.0
Stabilizer Rod	1		7/8	D	4.00	1,780.0	1,784.0
Shear Tool - 21K	1		3/4		0.50	1,784 0	1,784.5
Sinker Bar	1		1 1/4	K	25.00	1,784.5	1,809.5

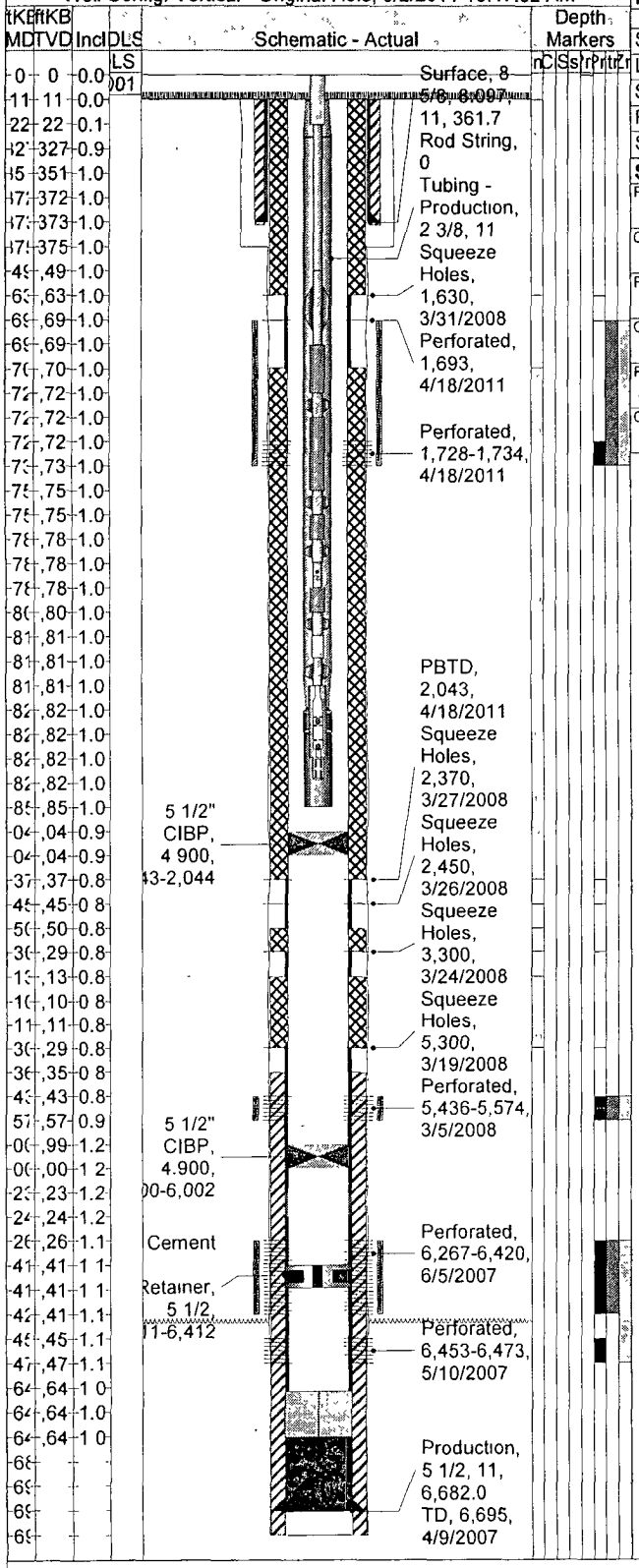
Downhole Well Bore Diagram

Well Name: OH Randel 14-01E

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State
30045340100000	800.0	FWL	665.0	FSL	T26N-R11W-S14	Basin Dakota	San Juan	New Mexico

Well Configuration Type	XTO ID B	Ong KB Elev (ft)	Gr Elev (ft)	KB-Grd (ft)	Spud Date	PBTD (All) (ftKB)	Total Depth (ftKB)	Method Of Production
Vertical	77299	6,432.00	6,421.00	11.00	4/3/2007	Original Hole - 2043.0	6,695.0	Beam

Well Config: Vertical - Original Hole, 9/2/2011 10:47:02 AM



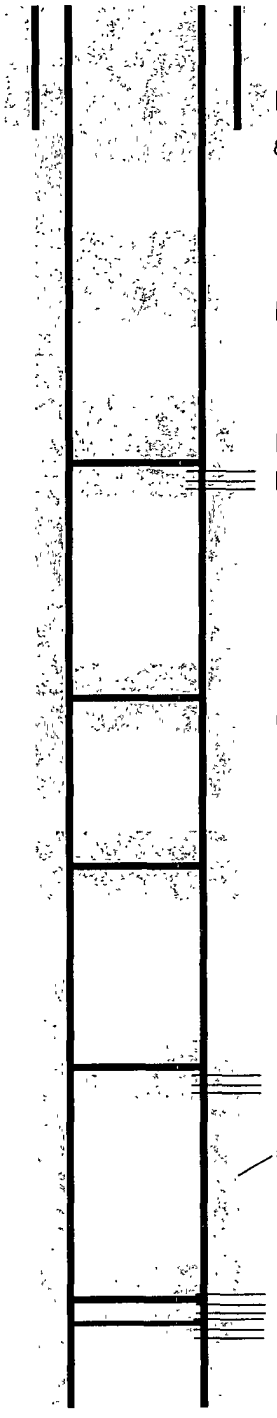
Rod Components

Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Stabilizer Rod	1		7/8	D	4.00	1,809.5	1,813.5
Lift Sub	1		1		1.00	1,813.5	1,814.5
Spiral Rod Guide	1		3/4		0.50	1,814.5	1,815.0
Rod Insert Pump	1		1 1/2		10.00	1,815.0	1,825.0
Strainer Nipple	1		1		1.00	1,825.0	1,826.0

Stimulations & Treatments

Frac Start D	Top Perf (	Bottom Pe	V (slurry)	Total Add	15 Min (psi)	ISIP (psi)	AIR (bbl/ ..	ATP (psi)
6/6/2007	6267	6420						
Comment								
Frac Start D	Top Perf (	Bottom Pe	V (slurry)	Total Add	15 Min (psi)	ISIP (psi)	AIR (bbl/ ..	ATP (psi)
3/11/2008	5436	5574						
Comment								
Frac Start D	Top Perf (	Bottom Pe	V (slurry)	Total Add	15 Min (psi)	ISIP (psi)	AIR (bbl/	ATP (psi)
4/20/2011	1693	1734	784 98			2,039.0	22	3,085.0
Comment								

OH Randel 14-1E
Sec 14, T26N, R11W
API# 30-045-34010



Plug 7: 422'-surf

8-5/8", 24#, casing at 372', cmt to surface

Plug 6. 875-675'

Plug 5: 1,693'-1,170'

FC perfs: 1,734'-1,693'

Plug 4. 3,335'-3,235'

Plug 3: 4,500'-4,400'

Plug 2: 5,436'-5,350'

GP perfs. 5,574'-5,436'

5-1/2" 15 5# casing at 6693'

Plug 1: 6,267'-6,180'

DK perfs: 6,420'-6,267'

CICR at 6,411'

Tops:			
Casing shoe	372'	Mesaverde	3285'
Ojo Alamo	725'	Mancos	4449'
Kirtland	825'	Gallup	5175'
Fruitland Coal	1220'	Dakota	5994'
Pictured Cliffs	1745'		

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 1E O.H. Randel 14

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.

3. The following modifications to your plugging program are to be made:

a) Bring the top of the Gallup plug to 5240'.

b) Place the Mesaverde plug from 2670' – 2570'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.