

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

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)

505-333-3630

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

665' FNL & 665' FWL NWNW SEC. 4 (D) - T30N-R12W N.M.P.M.

5. Lease Serial No.

NMSF081239

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

LC KELLY #3F

9. API Well No.

30-045-33238

10. Field and Pool, or Exploratory Area

BLANCO MESAVERDE

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 type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <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. intends to plug and abandon this well per the attached procedure and will be using a Closed Loop System. Please see also the attached current and proposed wellbore diagrams and surface reclamation plan.

OIL CONS. DIV DIST. 3

AUG 14 2014

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

Notify NMOCD 24 hrs
prior to beginning
operations



H₂S POTENTIAL EXIST

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

SHERY J. MORROW

Title REGULATORY ANALYST

Signature

Date 7/29/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Petroleum Eng.

Date 8/13/2014

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

**LC Kelly #3F
Sec 4, T 30 N, R 12 W
San Juan County, New Mexico
7/23/2014**

Plug and Abandon Procedure

AFE Number: 1406775 (MV), 1406777 (DK)

Spud Date: 7/23/2014

Surface Casing: 8-5/8", 24#, J-55 csg @ 376'. Cmt'd w/244 sx. Circ 21 bbls cmt to surf.

Production Casing: 5-1/2", 15.5#, J-55 csg @ 7,186'. DV tl @ 4,040'. Cmt'd stage 1 w/480 sx. Circ 30 bbls off DV tl. Cmt'd stage 2 w/660 sx. Circ 115 sx cmt to surf. TOC fr/temp survey is 4,050'. Sqzd DV tl w/165 sx cmt.
Capacity: .0238 bbls/ft or .9997 gal/ft

Casing Leaks: Squeeze holes @ 4,040' (DV tl). Pressure tested to 500 psig.

Production Tubing: 2-3/8" string

Perforations: Mesaverde: 4,571' – 4,851'
Dakota: 6,713' – 6,897' (CIBP @ 6,670' w/cmt @ fr/6,665' – 6,670')

PBTD: 7,139'

Recent Production: 0 mcfpd, 0 bwpd, 0 bopd (shut-in).

Notify NMOCD & BLM 24 hours prior to beginning plugging operations

1. Check for COA's and approved NOI before beginning operations.
2. Test rig anchors.
3. Set flowback tank.
4. MIRU completion rig. Review JSA.
5. ND WH. NU & FT BOP.
6. TIH & tag cement @ 6,665'. CO any fill.
7. MIRU cement truck. Review JSA.
8. **Perforation Isolation & Graneros Top Plug (6,665' – 6,538'):** Pump 25 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot an unbalanced plug from 6,665' – 6,538' (volume calculated with 50' excess).

See COA

9. **Gallup Top Plug (5,894' – 5,794')**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot an unbalanced plug from 5,894' – 5,794' (volume calculated with 50' excess).

See COA

10. **Mancos Top Plug (4,973' – 4,873')**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot an unbalanced plug from 4,973' – 4,873' (volume calculated with 50' excess).

11. TOH tubing. TIH 4-3/4" bit and 4-3/4" string mill to $\pm 4,571'$. TOH.

12. TIH CICR and set @ $\pm 4,550'$. Sting out of CICR and circulate hole clean. PT casing to 550 psig. TOH.

If casing does not pressure test, tag subsequent plugs

13. MIRU WLU. Review JSA.

14. Run CBL/CCL log from CICR @ $\pm 4,550'$ – surface. Correlate to Gamma Ray/CCL dated 1/25/2006. Send CBL to engineer.

Plugs may need altered based off CBL results. Contact engineer with changes.

15. RDMO WLU.

16. TIH tubing.

17. **Perforation Isolation Plug (4,550' – 4,500')**: Pump 15 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 4,550' – 4,500' (volume calculated with 50' excess).

18. **Mesaverde Top Plug (3,836' – 3,736')**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 3,836' – 3,736' (volume calculated with 50' excess).

See COA

19. **Chacra Top Plug (3,350' – 3,250')**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 3,350' – 3,250' (volume calculated with 50' excess).

20. **Lewis & Pictured Cliffs Top Plug (2,520' – 2,182')**: Pump 45 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 2,520' – 2,182' (volume calculated with 50' excess).

See COA

21. **Fruitland Coal Top Plug (1,677' – 1,577')**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,677' – 1,577' (volume calculated with 50' excess).

22. **Kirtland, Ojo Alamo & Casing Shoe Top Plug (683' – 326')**: Pump 50 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 683' – 326' (volume calculated with 50' excess).

23. **Surface Plug (100' – Surface)**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 100' – Surface (volume calculated with 50' excess).

24. TOH & LD tubing.

25. RDMO cement truck.

26. WOC 4 hours.

27. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.

28. Cut off anchors and reclaim location.

Checklist

Regulatory:

1. NOI to P&A on form C-103
2. Submit a post-work sundry on form C-103 which details the P&A work and location work within 30 days of completing all required restoration work.

Equipment:

1. 1 flowback tank
2. $\pm 2,500'$ 2-3/8" workstring
3. 7 – 5-1/2" cement retainers if CBL shows no cement behind pipe for plugs 5-10.
4. 690 sx Class "B" cement if CBL shows no cement behind pipe for plugs 5-10
5. 1 above ground marker

Services:

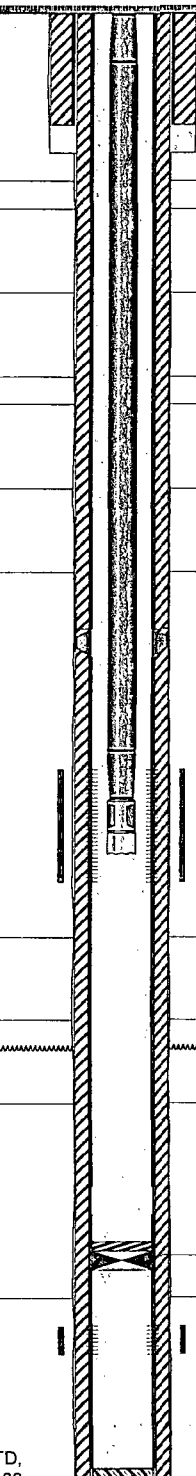
1. Completion rig
2. Cement truck
3. Wireline Unit

XTO - Wellbore Diagram

Current

Well Name: LC Kelly 03F

API/UWI	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref	Location	Field Name	County	State/Province
30045332380000	665.0	FWL	665.0	FNL	T30N-R12W-S04	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	96589	5,963.50	5,952.00	11.50	11/27/2005	Original Hole - 7139.0	7,205.0	Plunger Lift

Well Config: Vertical - Original Hole, 7/23/2014 1:41:21 PM				Zones										
Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zone		Top (ftKB)		Btm (ftKB)					
					Mesaverde		4,571.0		4,851.0					
					Dakota		6,713.0		6,897.0					
		11			Casing Strings									
		100			Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
		326			Surface	8 5/8	24.00	J-55		376.0				
		376			Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)				
		381			Production	5 1/2	15.50	J-55		7,186.0				
		586			Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)				
		633			DV Tool	5 1/2			4,040.0	4,041.0				
		683			Cement									
		1,577			Description	Type	String							
		1,627			Surface Casing Cement	casing	Surface, 376.0ftKB							
		1,677			Comment									
		2,182			Cmt'd w/244 sx Type III cmt w/2% CaCl2 & 1/4 pps celloflake (mixed @ 15.2 ppg & 1.28 cuft/sx). Circ 21 bbls cmt to surf.									
		2,232			Description	Type	String							
		2,470			Production Casing Cement	casing	Production, 7,186.0ftKB							
		2,520			Comment									
		3,250			Cmt'd 1st stage w/330 sx Type III cmt w/4% gel, .2% CD-32, .5% FL 52, 1/4 pps flocele, & 2% phenoseal (mixed @ 12.5 ppg & 2.01 cuft/sx) followed by 150 sx Type III cmt (mixed @ 14.2 ppg & 1.54 cuft/sx). Circ 30 bbls cmt to surf. Cmt'd 2nd stage w/560 sx Type III cmt w/8% gel, 1/4 pps flocele, & 2% phenoseal (mixed @ 11.9 ppg & 2.60 cuft/sx) followed by 100 sx Type III cmt. Circ 115 sx cmt to surf.									
		3,300												
		3,350												
		3,736												
		3,786												
		3,836			Perforations									
		4,040			Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (*)	Curr. Status	Zone		
		4,041			9/7/2006	4,571.0	4,851.0	1.0	0.340		0	Mesaverde		
		4,500			1/26/2006	6,713.0	6,897.0	1.0	0.340		0	Dakota		
		4,550												
		4,552			Tubing Strings									
		4,571			Tubing Description	Run Date	Set Depth (ftKB)							
		4,644			Tubing - Production	4/9/2013	4,646.1							
		4,645			Tubing Components									
		4,646			Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Grd	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
		4,851			Tubing	141	T&C Upset	2 3/8	4.70	J-55		4,632.94	11.5	4,644.4
		4,873			Seat Nipple	1		2 3/8				1.10	4,644.4	4,645.5
		4,923			Notched Collar	1		2 3/8				0.60	4,645.5	4,646.1
		4,973			Stimulations & Treatments									
		5,794			Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
		5,844			1/26/2006	6713	6897							
		5,894			Comment									
		6,538			A. DK w/1,250 gals 15% FE HCl ac & 48 - 7/8" 1.1 Bio-BS @ 5.1 BPM @ 1,272 psig. Fish'd w/169 bbls 2% KCl wr. ATP 1,042 psig. AIR 8.5 BPM. Some ball action. Did not ball off. Surged off BS. ISIP 896 psig. 5" SIP 609 psig. 10" SIP 498 psig. 15" SIP 423 psig.									
		6,588												
		6,618												
		6,621			Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)	
		6,632			1/27/2006	6713	6897							
		6,643			Comment									
		6,665			Frac'd DK perms fr/6,713' - 6,897' dwn 5-1/2" csg w/78,102 gals (BH foam vol) 60Q, 25# Purgel III LT CO2 foam frac fld (zirconium XL, 25# guar gel, 2% KCl wr) carrying 128,300# 20/40 sd (88,300# 20/40 Ottawa sd + 40,000# 20/40 SLC sd per wt slips).									
		6,672			Fish'd w/157 bbls 60Q CO2 foam frac fld & linear gel wr (cut CO2 & XL halfway thru fish). AIR 43.3 BPM. ATP 2,272 psig. Max TP 2,451 psig. Max sd conc 3.8 ppg. ISIP 1,442 psig. 5" SIP 1,332 psig. 1,034 BLWTR (DK ac & frac). 161.2 tons CO2 dwnhole. 8 tons CO2 cooldwn.									
		6,694												
		6,713												
		6,897												
		6,972												
		6,973												
		7,003												
		7,139												
		7,140												
		7,186												
		7,205												

Top (MD):4,571,
Des:Mesaverde

5-1/2" CIBP with
Cement, 5,100,
6,665-6,672

Top (MD):6,713,
Des:Dakota

PBTD,
7,139

TD, 7,205



XTO - Proposed P&A Wellbore Diagram

Well Name: LC Kelly 03F

API/UMI 30045332380000	E/W Dist (ft) 665.0	E/W Ref FWL	N/S Dist (ft) 665.0	N/S Ref FNL	Location T30N-R12W-S04	Field Name Basin Dakota	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 96589	Orig KB Elev (ft) 5,963.50	Gr Elev (ft) 5,952.00	KB-Grd (ft) 11.50	Spud Date 11/27/2005	PBTD (All) (ftKB) Original Hole - 7139.0	Total Depth (ftKB) 7,205.0	Method Of Production Plunger Lift

Well Config: Vertical - Original Hole, 7/23/2014 1:41:21 PM				RKB (TVD)	RKB (MD)	Zones					
Form Final	Schematic Proposed					Zone	Top (ftKB)		Btm (ftKB)		
						11 Mesaverde	4,571.0		4,851.0		
						100 Dakota	6,713.0		6,897.0		
						Casing Strings					
						326 Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)
						Surface	8 5/8	24.00	J-55		376.0
						376 Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)
						Production	5 1/2	15.50	J-55		7,186.0
						586 Item Description	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)	Bottom (ftKB)
						DV Tool	5 1/2			4,040.0	4,041.0
						Cement					
						683 Description	Type	String			
						Surface Casing Cement	casing	Surface, 376.0ftKB			
						Comment					
						1,627 Cmt'd w/244 sx Type III cmt w/2% CaCl2 & 1/4 pps celloflake (mixed @ 15.2 ppg & 1.28 cuft/sx). Circ 21 bbls cmt to surf.					
						1,677 Description	Type	String			
						Production Casing Cement	casing	Production, 7,186.0ftKB			
						Comment					
						2,470 Cmt'd 1st stage w/330 sx Type III cmt w/4% gel, .2% CD-32, .5% FL 52, 1/4 pps flocele, & 2% phenoseal (mixed @ 12.5 ppg & 2.01 cuft/sx) followed by 150 sx Type III cmt (mixed @ 14.2 ppg & 1.54 cuft/sx). Circ 30 bbls cmt to surf. Cmt'd 2nd stage w/560 sx Type III cmt w/8% gel, 1/4 pps flocele, & 2% phenoseal (mixed @ 11.9 ppg & 2.60 cuft/sx) followed by 100 sx Type III cmt. Circ 115 sx cmt to surf.					
						2,520 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						3,300 Plug 1: Pump 25 sx fr/6,665' - 6,538'.					
						3,786 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						4,040 Plug 2: Pump 20 sx fr/5,894' - 5,794'.					
						4,041 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						4,500 Plug 3: Pump 20 sx fr/4,973' - 4,873'.					
						4,550 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						4,552 Plug 4: Pump 15 sx fr/4,550' - 4,500'.					
						4,571 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						4,851 Plug 5: Pump 20 sx fr/3,836' - 3,736'.					
						4,873 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						4,923 Plug 6: Pump 20 sx fr/3,350' - 3,250'.					
						4,973 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						5,794 Plug 7: Pump 45 sx fr/2,520' - 2,182'.					
						5,844 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						5,894 Plug 8: Pump 20 sx fr/1,677' - 1,577'.					
						6,538 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						6,588 Plug 9: Pump 50 sx fr/683' - 326'.					
						6,632 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						6,665 Plug 10: Pump 20 sx fr/100' - surface.					
						6,672 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						7,139 Plug 10: Pump 20 sx fr/100' - surface.					
						7,140 Description	Type	String			
						Cement Plug	plug	Production, 7,186.0ftKB			
						Comment					
						7,186 Other In Hole					
						Description	OD (in)	Top (ftKB)			
						7,205 Cement Retainer	4.95	4,550.0			

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: LC Kelly #3F

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) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Bring the Gallup top plug to 5753 ft. Adjust cement volume accordingly.
 - b) Set the Mancos top plug (5117-5017) ft. BLM picks top of Mancos at 5067 ft.
 - c) Set the Chacra top plug (3060-2960) ft. BLM picks top of Chacra at 3010 ft.
 - d) Set the Fruitland Coal top plug (1939-1839) ft. BLM picks top of Fruitland Coal at 1889 ft.

Note: Low concentrations of H₂S (10ppm-45ppm GSV) have been reported in wells within a 1 mile radius of this location.

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.