	UNITED STATE EPARTMENT OF THE I	NTERIOR			OMB N	APPROVED O. 1004-0135 July 31 2010			
SUNDRY	UREAU OF LAND MANA	RTS ON WE		5.	Expires: July 31, 2010 . Lease Serial No. NMNM047				
Do not use thi abandoned we	is form for proposals to II. Use form 3160-3 (AP	D) for such p	enter an roposals. <u>PECEWE</u> I		If Indian, Allottee o				
SUBMIT IN TRI	PLICATE - Other instru	ctions on rev	erse side.		. If Unit or CA/Agree	ement, Name and/or No.			
1. Type of Well ☐ Oil Well 🛛 Gas Well 🗍 Oth	her		MAR 17 20	5	Well Name and No. NEW MEXICO FE				
2. Name of Operator XTO ENERGY INC	Contact: E-Mail: rhonda_sr	RัHONDA SM mith@xtoenergy	11TH rmmgton Fleid (Office	API Well No. 30-045-09556-0	00-S1			
3a. Address 382 ROAD 3100 AZTEC, NM 87410		3b. Platent	unthangement 3-3215	gement 1	0. Field and Pool, or BASIN DAKOT				
4. Location of Well (Footage, Sec., T	C., R., M., or Survey Description	ı)		1	1. County or Parish,	and State			
Sec 17 T30N R12W NENE 11 36.816696 N Lat, 108.115555				r	SAN JUAN COU	JNTY, NM			
12. CHECK APPI	ROPRIATE BOX(ES) T	O INDICATE	NATURE OF 1	NOTICE, REPO	ORT, OR OTHE	R DATA			
TYPE OF SUBMISSION			ΤΥΡΕ Ο	FACTION					
Notice of Intent	Acidize	🗖 Deep	oen ·	Production	(Start/Resume)	U Water Shut-Off			
_	Alter Casing	🗖 Frac	ture Treat	Reclamation	n	Well Integrity			
Subsequent Report	Casing Repair		Construction	Recomplet		🗖 Other			
□ Final Abandonment Notice	 Change Plans Convert to Injection 		and Abandon Back	Temporaril Water Disp	arily Abandon Disposal				
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 13. Describe Proposed or Completed Ope If the proposal is to deepen directions Attach the Bond under which the woi following completion of the involved testing has been completed. Final At determined that the site is ready for find XTO Energy Inc. intends to P& Loop System. Please see atta wellbore diagram. 	eration (clearly state all pertine ally or recomplete horizontally, rk will be performed or provide l operations. If the operation re bandonment Notices shall be fil inal inspection.) &A this location per the a	nt details, includi , give subsurface e the Bond No. on sults in a multiple led only after all r ttached proces	ng estimated startin locations and measu file with BLM/BI/ e completion or rec- requirements, includ dure. We will be	g date of any propo ured and true vertic A. Required subsec completion in a new ling reclamation, his using a Closec	al depths of all pertin juent reports shall be interval, a Form 316 ave been completed, a	ent markers and zones. filed within 30 days 0-4 shall be filed once			
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Approved	

New Mexico Federal N#2 Basin Dakota 1,190' FNL and 1,190' FEL, Sec 17, T 30 N, R 12 W API: 30-045-09556 San Juan County, New Mexico 01/14/2015

Plug and Abandon Procedure

	Alan and Abandon Procedure
AFE Number:	1500405
Spud Date:	February 13, 1960
Surface Casing:	8-5/8", 24#, K-55 csg @ 332'. Cmt'd w/300 sx. Circ 75 sx cmt to surf.
Production Casing:	4-1/2", 9.5# (29' -5,554') & 11.6# (0'-29' and 5,554'-6,701'), J-55 csg @ 6,738'. Cmt'd single stage w/350 sx 50/50 POZMIX. Did not circ cmt to surf. Ran temperature survey, est TOC @4,750'. PBTD 6,690'. <i>Capacity: .01625 bbls/ft or .6825 gal/ft</i>
Production Tubing:	NC, SN, 215 jts 2-3/8", 4.7#, J-55 tbg. SN @6,610', EOT @ 6,611'.
Perforations:	Dakota: 6,456' – 6,664'
Recent Production:	0 mcfpd, 0 bwpd, 0 bopd, suspect casing leak 2,500'-3,000'.

Comply with all NMOCD, BLM, and XTO safety regulations.

All cement volumes are 100% excess outside of casing 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 15.8 ppg with a 1.18 cf/sx yield.

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.

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See CAN

- 3. Set flowback tank.
- 4. MIRU workover rig. Review JSA.
- 5. Kill well if necessary. ND WH. NU & FT BOP.
- 6. TOH with tubing. MIRU WL, run gauge ring from surface to 6,447'.
- 7. PU and TIH 4-1/2" cement retainer on 2-3/8" tubing. Set retainer at 6,447'.
- 8. Pressure test tubing. Sting out of retainer, circulate hole clean. PT casing. TOH tubing

9. RU WLU. Run CBL/CCL/GR log from cement retainer – surface. Send CBL to engineer.

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

- 10. TIH tubing.
- 11. MIRU cement truck. Review JSA.

If casing will not pressure test tag cement plugs

See COA

- Perforation Isolation & Dakota Top Plug (6,447' 6,397'): Pump 8 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a plug from 6,447' 6,397' (volume calculated with 50' excess). WOC. Tag plug.
- Gallup Top Plug (5,645' 5,545'): Pump 12 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a plug from 5,645' 5,545' (volume calculated with 50' excess). WOC. Tag plug.

See COA

Mancos Top Plug (4,441' – 4,341): Perforate 3 squeeze holes at 4,680'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 4,630'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 4,680' – 4,580' (volume calculated with 50' excess inside and 100% excess). WOC. Tag plug.

See COA

- 15. Mesaverde Top Plug (3,275' 3,175'): Perforate 3 squeeze holes at 3,275'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 3,225'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 3,275' 3,175' (volume calculated with 50' excess inside and 100% excess). WOC. Tag plug.
- 16. Attempt to pressure test casing fr/3,175' surface. If casing doesn't pressure test, tag subsequent plugs.
- Pictured Cliffs Top Plug (2,002' 1,902'): Perforate 3 squeeze holes at 2,002'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 1,952'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 2,002' 1,902' (volume calculated with 50' excess inside and 100% excess). WOC. Tag plug.
- 18. Attempt to pressure test casing fr/1,902' surface. If casing doesn't pressure test, tag subsequent plugs **See COA**
- Fruitland Coal Top Plug (1,413' 1,313'): Perforate 3 squeeze holes at 1,413'. Establish injection rate into squeeze holes. Set 4-1/2" CICR at 1,363'. Pump 51 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield). Squeeze 39 sx outside casing and leave 12 sx inside casing from 2,002' 1,902' (volume calculated with 50' excess inside and 100% excess). TOH.
- 20. Kirtland, Ojo Alamo, Casing Shoe, & Surface Plug (567' 0'): Perforate 3 squeeze holes at 567'. Open bradenhead and attempt to establish circulation out bradenhead with water and circulate the BH annulus clean. Mix and pump approximately 278 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down 4-1/2" casing with 230 sx outside casing to circulated good cement out bradenhead. Shut in well and WOC.

- 21. ND BOP and cut off WH below surface casing flange. Fill in casing as needed with cement. Install above ground P&A marker.
- 22. Cut off anchors and reclaim location.

Checklist

Regulatory:

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1. NOI to P&A on form C-103 & 3160-5

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2. Submit a post-work sundry on form C-103 & 3160-5 which details the P&A work and location work within 30 days of completing all required restoration work.

Equipment:

- 1. 1 flowback tank
- 2. 5 4 1/2" cement retainers
- 3. 502 sx Class "B" cement
- 4. 1 above ground marker

Services:

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

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XTO - Wellbore Diagram

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www.pelo	ton.co	m					Page 1	1/1						R	eport Pr	inted: 1/1	3/2015

# **XTO - Proposed P&A Wellbore Diagram**



#### **New Mexico Federal N 02** Well Name: API/UW E/W Dist (ft) E/W Rel N/S Dist (ft) N/S Ref Location Field Name County State/Province 1,190.0 30045095560000 1,190.0 FEL FNL T30N-R12W-S17 Basin Dakota San Juan New Mexico Spud Date Well Configuration Type XTO ID B Orig KB Elev (ft) PBTD (All) (fiKB) Total Depth (ftKB) Method Of Production Elev (ft) KBrd (ft) 6,735.0 Vertical 79489 5,779.00 5,769.00 10.00 2/13/1960 Original Hole - 6690.0 Plunger Lift Well Config: Venical - Original Hole, 1/15/2015 9:02:48 Ak Zones 11KB 11KB (TVD) (MD) Frm Fina Zone Btm (ftKB) Schematic - Propose Top (ftKB) Dakota 6.456.0 6.664.0 10 **Casing Strings** String Grade Casing Descriptio OD (in) Wt (lbs/ft) **Top Connection** Depth (ftK., 39 8 5/8 J-55 Surface 24.00 332.0 332 Casing Description OD (in) Wt (lbs/ft) String Grade Top Connection Set Depth (ftK. Production 4 1/2 9.50 J-55 6,701.0 341 Cement 387 String Description Туре Ojo Alamo, 387 Surface Casing Cement casing Surface, 332.0ftKB 517 Coment Plug, 10-567 tilKB Coment Plug, 10-567 tilKB Squeeze Holes, 567 tilKB Comment 567 cmtd w/ 300 sx reg cmt + 2% cacl2 (15.0 ppg). Circ 75 sx. Performed top job. Kinland, 517 Description 131 Type String **Production Casing Cement** casing Production, 6,701.0ftKB Coment Rotainer, 4in, 1,363-1,385 (1KB 1.36 Comment 1 R cmt'd w/ 350 sx 50-50 pozmix & 12.5# gilsonite/sk. Ran temp survey (TOC @ 4750') Cement Plug, 1,313-1,413 IIKB Coment Plug, 1,313-1,413 IIKB Squeeze Holes, 1,413 IIKB 1,36 Description Type String 1,413 Fruitland Coal. 1,363 Cement Plug Production, 6,701.0ftKB plug Comment 1,90 Plug 1: Pmp 8 sx f/6,447 - 6,397 Cornera Rotainor, 4in, 1,952-1,954 IKB 1,95 Description String Type Cement Plug Production, 6,701.0ftKB plug 1,95 Cement Plug, 1,902-2,002 (KB) Cement Plug, 1,902-2,002 (KB) Squenze Holes, 2,002 (IKB) Comment Pictured Citils, 1,952 2.002 Plug 2: Pmp 12 sx f/5,645 - 5,545 Descriptio String Type 3,175 Cement Plug Production, 6,701.0ftKB plug 3,225 Comment ont Relamer 4in 3,225-3,227 Cem ftKB ЦĶ Plug 3: (inside): Pmp 12 sx f/4,680 - 4,580 Cement Plug, 3,175-3,275 (iKB) Coment Plug, 3,175-3,275 (iKB) Squazze Holes, 3,275 (iKB) 3,22 Description String Type Cement Plug 3.27 Mesaverde, 3,225 plug Production, 6,701.0ftKB Comment 4.58 Plug 4: (inside): Pmp 12 sx f/3,275 - 3,175 String 4 630 Description Туре Cement Retainer, 4in, 4,630-4,632 Cement Plug plug Production, 6,701.0ftKB fiKB 4 632 Cement Plug, 4,580-4,680 (IKB) Cement Plug, 4,580-4,680 (IKB) Squeeze Holes, 4,680 (IKB) Comment 4.680 Plug 5: (inside): Pmp 12 sx f/2,002 - 1,902 String Descriptio Type 4,75 Aencos, 4,630 Cement Plug Production, 6,701.0ftKB plug 5,54 Commen Plug 6: (inside): Pmp 12 sx f/1,413 - 1,313 5.554 String Description Type Cement Plug plug Production, 6,701.0ftKB 5,59 Comment Cement Plug, 5,545-5,645 (IKB) 5,64 Plug 7: (inside): Pmp 48 sx f/567 - surf Gallup, 5,595 Description 6,393 Туре String Cement Plug squeeze Production, 6,701.0ftKB Cement Plug, 6,397-6,447 (IKB) Cement Retainer, 4in, 6,447-6,449 6.44 Dakota, 6.447 Comment Plug 3: (outside): Pmp 39 sx f/4,680 - 4,580 6,44 String Descriptio Туре 6,45 Cement Plug Production, 6,701.0ftKB saueeze Perforated, 6.456-6.466 ftKB Comment 6,46( Plug 4: (outside): Pmp 39 sx f/3,275 - 3,175 6,52 Description String Туре Perforated, 6,522-6,538 ftKB Cement Plug squeeze Production, 6,701.0ftKB 6,53 Commen 6,59 Plug 5: (outside): Pmp 39 sx f/2,002 - 1,902 Perforated, 6,590-6,598 (IKB Description String Type 6,59 Cement Plug Production, 6,701.0ftKB squeeze 6.63 Commen Perforated, 6,634-6,648 ftKB Plug 6: (outside): Pmp 39 sx f/1,413 - 1,313 6.6 Description Type String 6.65 Cement Plug Production, 6,701.0ftKB saueeze Perforated, 6.654-6,664 fiKB Comment 6.68 Plug 7: (outside): Pmp 230 sx f/567 - surf PBTD. 6.690 ftKB 6.69 Other In Hole . 10 11 . . . . . 1.1 Description OD (in): Top (ftKB) 6.70 Cement Retainer 4,630.0 Δ TD, 6,735 ftKB 6,73 Cement Retainer 4 1,952.0

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Report Printed: 1/15/2015

# XTO - Proposed P&A Wellbore Diagram



## Well Name: New Mexico Federal N 02

API/UWI 30045095560000	1,190.0	1,190.0 FEL		N/S R	FNL		R12W-S17				County San Juan	N	ew Mexico	
Vell Configuration Typ	e XTO ID B 79489	Orig KB Elev (ft) 5,779.00	Gr Elev (ft) 5,769.00	KB-G	rd (ft) 10.00	Spud D	ate /13/1960	PBTD (All) ( Original	пкв) Hole - 66		Total Depth (ftKB) 6,735.0		Method Of Production Plunger Lift	
	Well Config: Vertical - Origin	m Hole 1/15/2015 9:02:4	AM	KB   IIKB	1								Sale de la s	
Fin Final	S	chematic - Proposed	(r	KB (IKB VD) (MD)				ption		·	OD (in)		Top (ftKB)	
	مرد <u>المراجع الم المراجع الم</u> رجع المراجع الم	والمحمد وسينات وسينان	In hand a window a sure of	10	Cement	and the second second second second second	and the second se					4	1,363	
	1		Cement					4	3,225					
				39	Cement		r					4	6,447	
				332	Perforat	tions				, ¹³ 1			A second second	
		<u></u>		341					Shot Dens	Hole Diamet				
		3			Dat	e	Top (ftKB)	Btm (ftKB)	(shots/ft)	(in)	er Phasing		Zone	
Ojo Alamo, 387				387			567.0	567.0						
		Coment Plug, 10 Coment Plug, 10	-567 fiKB	517			1,413.0	1,413.0	)					
		Squeeze Holes	567 fiKB	567			2,002.0	2,002.0						
Kitland, 517				1,313			3,275.0	3,275.0						
		}					4,680.0	4,680.0	1					
		Coment Retaine	r, 4in, 1,363-1,365		3/5/1960		6,456.0	6,466.0				Dakota	1	
		Cement Plug, 1,	313-1,413 IKB	1,365	3/5/1960		6,522.0	6,538.0				Dakota		
Fruitland Coal, 1,363		Cement Plug, 1, Cement Plug, 1, Squeeze Holes,	313-1,413 (KB) 1,413 (KB)	1,413	3/5/1960		6,590.0	6,598.0				Dakota		
, .					3/5/1960		6,634.0	6,648.0		 		Dakota		
		4		1,902	3/5/1960	) [	6,654.0	6,664.0		<u>_</u>		Dakota	1	
			r, 4in, 1,952-1,954 ]	1,952										
		Cement Phra 1	802-2 002 0168	1,954										
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		(oquoteroity)												
		Ş		3,175										
		Coment Relaina	r, 4in, 3,225-3,227	3,225										
		RKB	17532758XB	3,227										
Mesaverde, 3,225		Cement Plug, 3, Cement Plug, 3, Squeeze Holes,	175-3,275 (KB)	3,275										
1104110100, 0,220		(diametricity)												
		și 1		4,580										
		Cemeni Retainer	, 4in, 4,630-4,632 ]	4,630	[									
		fikB	11	4,632										
		Cement Plug, 4, Cement Plug, 4, Squeeze Holes,	580-4,680 fiKB	4,680	1									
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Mancos, 4,630		1		4,750										
			1	5,545										
		}		5,554										
		/		5,595										
					]									
Gallup, 5,595		Cement Plug, 5,	343-3,045 10(15 MMM	5,645										
				6,397	1									
Dakola, 6,447		Cement Plug, 6;	397-6,447 ftKB , 4in, 6,447-6,449	6,447										
		пкв		6,449										
				6,456										
		Perforated, 6,45	5-6,466 ftKB		1									
		[		6,466										
		F Perforated, 6,522	6 639 440	6,522	1									
		Felioraled, 0,52	-0,338 11(8	6,538	1									
		_		6,590										
		Perforated, 6,590	0-6,598 fiKB		1									
				6,598										
		Boferial F /A	LE EAD BYD	6,634	1									
	99	Perforated, 6,634		6,648				,						
		-		6,654										
		Perforated, 6.654	i-6,664 ftKB											
	7 7 7	-		6,664										
		PBTD, 6,690 RKI	a	6,690	}									
				6,701										
		TD, 6,735 fiKB	1	6,735										

1

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## 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:

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Re: Permanent Abandonment Well: NM Federal N #2

### 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 top of plug #1 to 6348 ft. to cover the Graneros top. Adjust cement volume accordingly.
  - b) Set the Mancos plug (4678-4578) ft. inside/outside to cover the Mancos top.
  - c) Set the Mesaverde plug (3580-3480) ft. inside/outside to cover the Mesaverde top.
  - . d) Set a plug (2779-2679) ft. inside/outside to cover the Chacra top.
  - e) Set the Fruitland plug (1575-1475) ft. inside/outside to cover the Fruitland top.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: tsalyers@blm.gov Brandon.Powell@state.nm.us

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.