

DEC 26 2014

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**

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

DEC 22 2014

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

**XTO ENERGY INC.**

Farmington Field Office  
Bureau of Land Management

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)

**735' FNL & 1705' FEL NWNE Sec. 4 (B) -T29N-R13W N.M.P.M.**

5. Lease Serial No.

**NMSF-078643A**

6. If Indian, Allottee or Tribe Name

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

**NMM-108262 (FC)**

**NMM-130121 (FC)**

8. Well Name and No.

**FARMINGTON #2**

9. API Well No.

**30-045-30814**

10. Field and Pool, or Exploratory Area

**Basin Fruitland Coal**

**FULCHER KUTZ 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	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<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 recomplate 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 recomplate 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. A Surface Reclamation Plan is not needed due to surface ownership being Fee.**

**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**

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

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

**KRISTEN D. BABCOCK**

Title **REGULATORY ANALYST**

Signature

*Kristen D. Babcock*

Date **12/17/2014**

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

Approved by **Troy Salyers**

Title **PE**

Date **12/23/2014**

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**

**Farmington #2  
Sec 4, T 29 N, R 13 W  
San Juan County, New Mexico  
12/1/2014**

**Plug and Abandon Procedure**

**AFE Number:** 1410597 (PC), 1410598 (FC)  
**Spud Date:** 4/12/2002  
**Surface Casing:** 7", 20#, J-55 csg @ 173'. Cmt'd w/65 sx. Circ 0.25 bbl cmt to surf.  
**Production Casing:** 4-1/2", 10.5#, J-55 csg @ 1,617'. Cmt'd w/180 sx. Circ 10 bbls cmt to surf.  
*Capacity: .0159 bbls/ft or .6699 gal/ft*  
**Production Tubing:** 2-3/8" string  
**Rod String:** 3/4" string  
**Pump:** 2-1/4" tubing pump  
**Perforations:** Fruitland Coal: 1,119' – 1,407'  
Pictured Cliffs: 1,422' – 1,435'  
**PBTD:** 1,594'  
**Recent Production:** 27 mcfpd, 0 bwpd (downhole failure).

*\*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. Kill well.
6. TOH & LD rods.
7. ND WH. NU & FT BOP.
8. TOH tubing and LD pump.
9. TIH 3-7/8" bit & 3-7/8" string mill to 1,119' on 2-3/8" workstring. TOH.
10. TIH 4-1/2" CR and set @ ±1,110'. PT tubing. Sting out of CR and circulate hole clean.

11. PT casing and CR to 550 psig. If casing does not test, contact engineer.
12. MIRU cement truck. Review JSA.
13. **Perforation Isolation Plug (1,110' – 1,060')**: Pump 8 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,110' – 1,060' (volume calculated with 50' excess).
14. **Fruitland Coal Top Plug (860' - 760')**: Pump 12 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 860' – 760' (volume calculated with 50' excess).
15. **Casing Shoe & Surface Plug (223' – Surface)**: Pump 21 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 223' – Surface (volume calculated with 50' excess).
16. TOH & LD tubing.
17. RDMO cement truck.
18. WOC 4 hours.
19. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.
20. Cut off anchors and reclaim location.

## **Checklist**

### Regulatory:

1. NOI to P&A on form C-103 & 3160-5
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. If tbg does not PT, 1,200' 2-3/8" workstring
3. 4-1/2" cement retainer
4. 3-7/8" string mill
5. 41 sx Class "B" cement
6. 1 above ground marker

### Services:

1. Completion rig
2. Cement truck

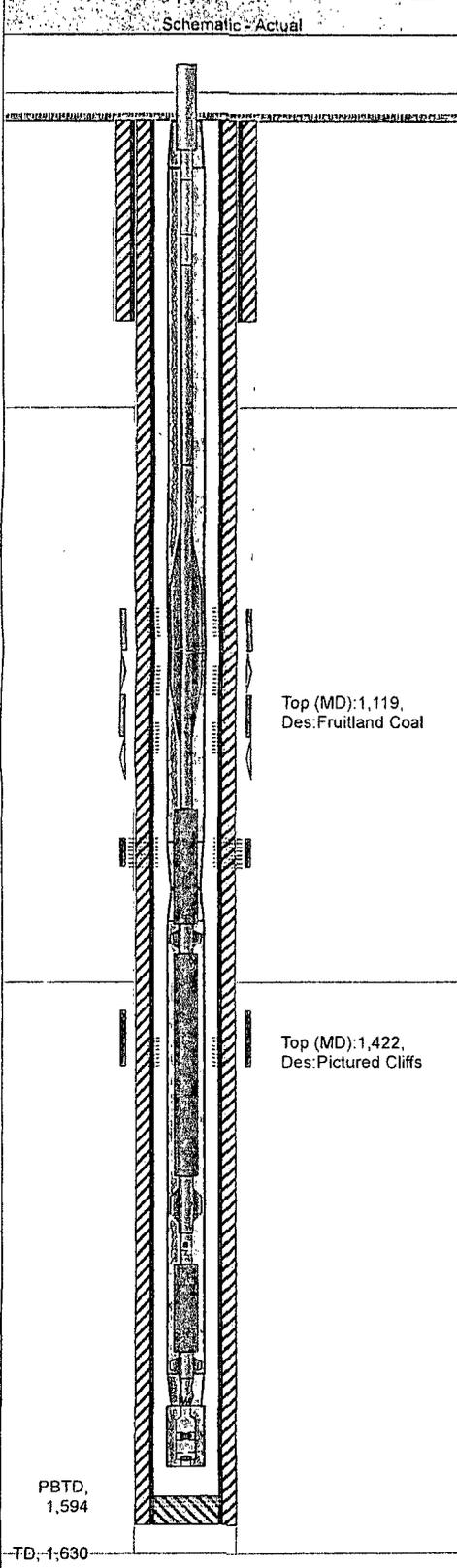


# XTO - Wellbore Diagram

**Well Name: Farmington 02**

API/UWI 30045308140000	E/W Dist (ft) 1,705.0	E/W Ref FEL	N/S Dist (ft) 735.0	N/S Ref FNL	Location T29N-R13W-S04	Field Name Basin Fruitland Coal	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 67937	Orig KB Elev (ft) 5,557.00	Gr Elev (ft) 5,552.00	KB-Grd (ft) 5.00	Spud Date 4/11/2002	PBTD (All) (ftKB) Original Hole - 1594.0	Total Depth (ftKB) 1,630.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 12/4/2014 8:15:22 AM



Zones		Top (ftKB)	Btm (ftKB)						
Fruitland Coal		1,119.0	1,407.0						
Pictured Cliffs		1,422.0	1,435.0						
Casing Strings									
Casing Description	OD (in)	Wt (lbs/ft)	String Grade						
Surface	7	20.00	J-55						
Casing Description	OD (in)	Wt (lbs/ft)	String Grade						
Production	4 1/2	10.50	J-55						
Cement									
Description	Type	String							
Surface Casing Cement	casing	Surface, 173.0ftKB							
Comment									
Cmt w/65 sx CI B cmt w/3% Ca Cl2 & 1/4# celloflake. Circ 0.25 bbls cmt to surf									
Description	Type	String							
Production Casing Cement	casing	Production, 1,617.0ftKB							
Comment									
Cmt csg w/100 sx 2% EconoLite (metasilicate) w/1/4# celloflake. Tailed in w/80 sx CI B w/1/4# celloflake. Reciprocated pipe while pumping cmt. Good circ throughout job. Circ 10 bbls cmt to surf.									
Perforations									
Date	Top (ftKB)	Btm (ftKB)	Shot/Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr. Status	Zone		
12/17/2010	1,119.0	1,121.0	3.0	0.340	120		Fruitland Coal		
12/17/2010	1,152.0	1,155.0	3.0	0.340	120		Fruitland Coal		
12/17/2010	1,332.0	1,335.0	3.0	0.340	120		Fruitland Coal		
6/17/2002	1,396.0	1,407.0	3.0	0.380	120		Fruitland Coal		
6/18/2002	1,396.0	1,407.0	3.0	0.380	120		Fruitland Coal		
12/7/2010	1,422.0	1,435.0	3.0	0.340	120		Pictured Cliffs		
Tubing Strings									
Tubing Description	Run Date	Set Depth (ftKB)							
Tubing - Production	10/24/2012	1,493.7							
Tubing Components									
Item Description	Jts	Model	OD (in)	Wt (lbs/ft)	Gra.	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	44	T&C Upset	2 3/8	4.70	J-55		1,402.45	5.0	1,407.4
Tubing	2	T&C Upset	2 3/8	4.70	J-55		65.60	1,407.4	1,473.0
Tubing Barrel Pump	1		2 3/8				20.70	1,473.0	1,493.7
Rods									
Rod Description	Run Date	String Length (ft)			Set Depth (ftKB)				
Rod String	10/25/2012	1,476.50			1,473.0				
Rod Components									
Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)		
Polished Rod	1		1 1/4		22.00	-3.5	18.5		
Rod Sub	1		3/4 D		2.00	18.5	20.5		
Rod Sub	1		3/4 D		6.00	20.5	26.5		
Rod Sub	1		3/4 D		8.00	26.5	34.5		
Sucker Rod	39		3/4 D		975.00	34.5	1,009.5		
Sucker Rod w/Molded Guides	15		3/4 D		375.00	1,009.5	1,384.5		
Sinker Bar	1		1 1/2 K		25.00	1,384.5	1,409.5		
Stabilizer Rod	1		7/8 D		4.00	1,409.5	1,413.5		
Sinker Bar	1		1 1/2 K		25.00	1,413.5	1,438.5		
Stabilizer Rod	1		7/8 D		4.00	1,438.5	1,442.5		
Shear Tool - 21K	1		3/4		0.50	1,442.5	1,443.0		
Sinker Bar	1		1 1/2 K		25.00	1,443.0	1,468.0		
Stabilizer Rod	1		7/8 D		4.00	1,468.0	1,472.0		
On-Off Tool	1		7/8		1.00	1,472.0	1,473.0		

PBTD, 1,594

TD: 1,630



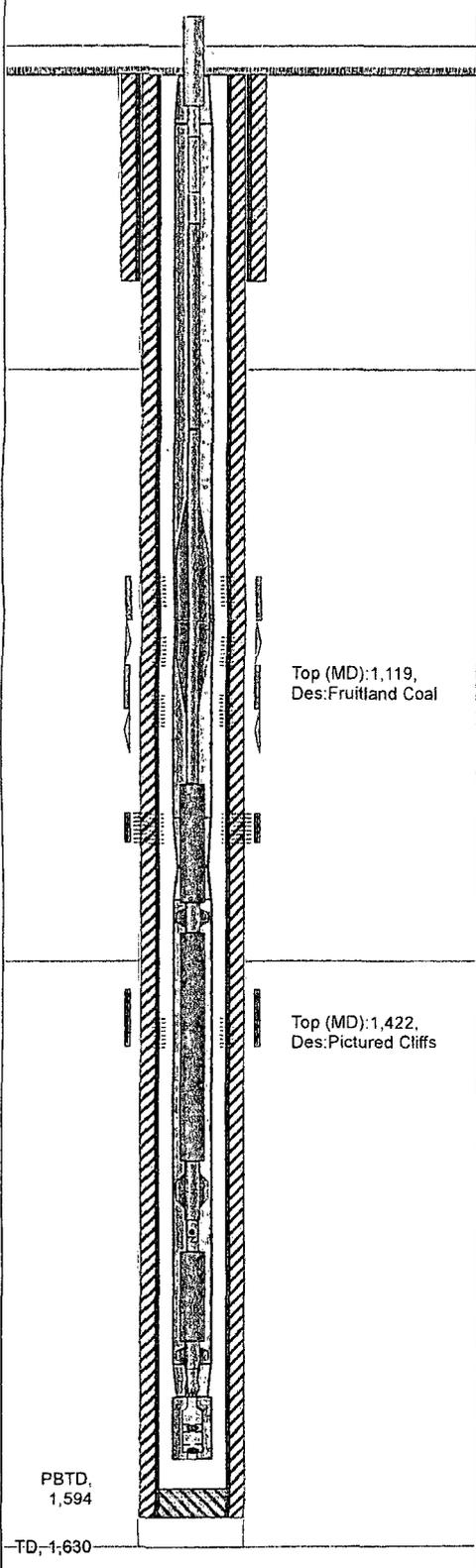
# XTO - Wellbore Diagram

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Well Configuration Type Vertical	XTO ID B 67937	Orig KB Elev (ft) 5,557.00	Gr Elev (ft) 5,552.00	KB-Grd (ft) 5.00	Spud Date 4/11/2002	PBTD (All) (ftKB) Original Hole - 1594.0	Total Depth (ftKB) 1,630.0	Method Of Production Beam

Well Config: Vertical - Original Hole 12/4/2014 8:15:22 AM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)
					6/18/2002	1396	1407		16,246.0	27	2,000.0	4,20...	4,193.0



### Stimulations & Treatments

-4	Comment												
0	Pressured out on pad. Re-perf same interval. Pressured out 2#. 14,495# 20/40 sd on formation. Job design called for 50,000#. NO RECORD OF ACID BREAKDOWN OR SPEARHEAD.												
5													
18	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)				
20	12/16/2010	1422	1435	1159.76	81,200.0	37	1,053.0	1,46...	915.0				
22	Comment												
27													
34	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)				
36	12/17/2010	1396	1407		77,000.0	25	2,079.0	2,46...	1,661.0				
36	Comment												
173													
223	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)	MTP (psi)	ISIP (psi)				
760	12/17/2010	1119	1336		31,900.0	18	2,453.0	3,10...	2,616.0				
810	Comment												
860	SI during last pad stage due to high treating pressure and redesigned, adding a 500 gal of acid spearhead.												
1,010													
1,060													
1,061													
1,110													
1,112													
1,119													
1,121													
1,152													
1,155													
1,332													
1,335													
1,336													
1,385													
1,396													
1,407													
1,407													
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1,617													
1,630													

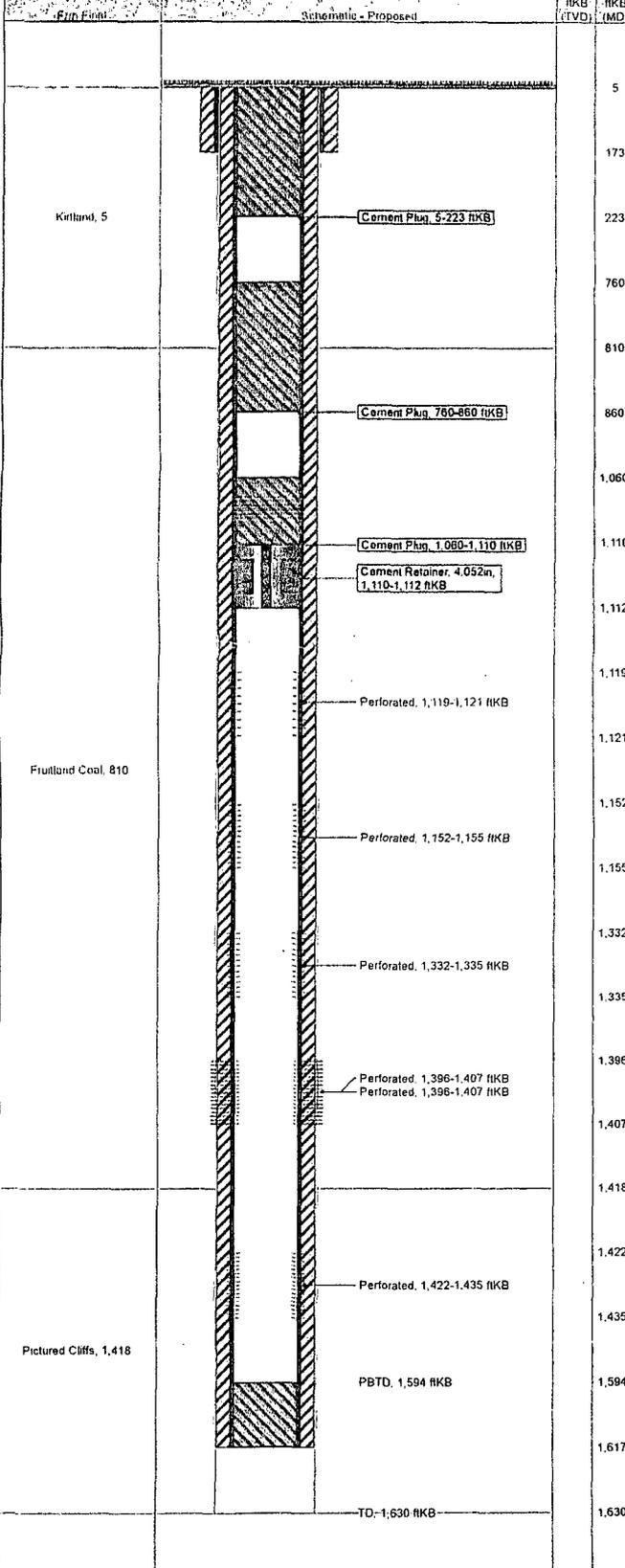


# XTO - Proposed P&A Wellbore Diagram

Well Name: **Farmington 02**

API/UVI 30045308140000	E/W Dist (ft) 1,705.0	E/W Ref FEL	N/S Dist (ft) 735.0	N/S Ref FNL	Location T29N-R13W-S04	Field Name Basin Fruitland Coal	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 67937	Orig KB Elev (ft) 5,557.00	Gr Elev (ft) 5,552.00	KB-Grd (ft) 5.00	Spud Date 4/11/2002	PBTD (All) (ftKB) Original Hole - 1594.0	Total Depth (ftKB) 1,630.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 11/26/2014 11:51:10 AM



Zones		Top (ftKB)	Btm (ftKB)
Fruitland Coal		1,119.0	1,407.0
Pictured Cliffs		1,422.0	1,435.0

Casing Strings					
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)
Surface	7	20.00	J-55		173.0
Production	4 1/2	10.50	J-55		1,617.0

Cement		
Description	Type	String
Surface Casing Cement	casing	Surface, 173.0ftKB
Comment: Cmt w/65 sx CI B cmt w/3% Ca Cl2 & 1/4# celloflake. Circ 0.25 bbls cmt to surf		
Production Casing Cement	casing	Production, 1,617.0ftKB
Comment: Cmt csg w/100 sx 2% EconoLite (metasilicate) w/1/4# celloflake. Tailed in w/80 sx CI B w/1/4# celloflake. Reciprocated pipe while pumping cmt. Good circ throughout job. Circ 10 bbls cmt to surf.		
Cement Plug	plug	Production, 1,617.0ftKB
Comment: Plug 1: Pump 8 sx fr/1,110' - 1,060'.		
Cement Plug	plug	Production, 1,617.0ftKB
Comment: Plug 2: Pump 12 sx fr/860' - 760'.		
Cement Plug	plug	Production, 1,617.0ftKB
Comment: Plug 3: Pump 21 sx fr/223' - Surface		

Other In Hole		
Description	OD (in)	Top (ftKB)
Cement Retainer	4.052	1,110.0

Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Zone
12/17/2010	1,119.0	1,121.0	3.0	0.340	120	Fruitland Coal
12/17/2010	1,152.0	1,155.0	3.0	0.340	120	Fruitland Coal
12/17/2010	1,332.0	1,335.0	3.0	0.340	120	Fruitland Coal
6/17/2002	1,396.0	1,407.0	3.0	0.380	120	Fruitland Coal
6/18/2002	1,396.0	1,407.0	3.0	0.380	120	Fruitland Coal
12/7/2010	1,422.0	1,435.0	3.0	0.340	120	Pictured Cliffs

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: Farmington #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.

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.