

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 8/19/14

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-33776-00-00	BOLACK C	002R	XTO ENERGY, INC	G	A	San Juan	F	F	28	27	N	8	W

Application Type:

- P&A
 Drilling/Casing Change
 Location Change
 Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)
 Other:

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Extend Ojo Alamo plug to 1283 feet

NMOCD Approved by Signature

9-18-14
Date

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

AUG 20 2014

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)
1860' FNL & 1620' FWL SENW SEC 28 (F) -T27N-R8W

5. Lease Serial No.
NMSF-079232

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
BOLACK C #2R

9. API Well No.
30-045-33776

10. Field and Pool, or Exploratory Area
S. BLANCO 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 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. proposes to plug & abandon this well per the attached procedure and will be using a Closed Loop System. Please see also the attached current & proposed wellbore diagrams and surface reclamation plan.

RCVD SEP 5 '14

OIL CONS. DIV.

DIST. 3

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

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) **SHERRY J. MORROW** Title **REGULATORY ANALYST**

Signature *Sherry J. Morrow* Date **8/19/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *RM Troy Salvors* Title **Petroleum Eng.** Date **9/3/2014**

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**

LWA _____
MTG _____
Approved _____

PLUG AND ABANDONMENT PROCEDURE

July 31, 2014

Bolack C #2R

Blanco S Pictured Cliffs
1860' FNL and 1620' FWL, Section 28, T27N, R8W
San Juan County, New Mexico / API 30-045-33776
Lat: _____ / Lat: _____

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. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight 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. ND wellhead and NU BOP. Function test BOP.
2. Rods: Yes , No , Unknown
Tubing: Yes , No , Unknown , Size 2.375", Length 2295'
Packer: Yes , No , Unknown , Type _____
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
3. **Plug #1 (Pictured Cliffs perfs and top, 2218' – 2168')**: Round trip 5.5" gauge ring to 2218' or as deep as possible. RIH and set 5.5" cement retainer at 2218'. Pressure test tubing to 1000 PSI. Circulate well clean. Attempt to pressure test casing to 800 PSI. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement inside casing to isolate the Pictured Cliffs perforations and top. PUH.
4. **Plug #2 (Fruitland, Kirtland and Ojo Alamo tops, 1812' – 1416')**: *See COA* Mix approximately 52 sxs cement and spot a balanced plug to isolate Fruitland, Kirtland and Ojo Alamo tops. PUH.
5. **Plug #3 (8.625" casing shoe, 293' – 0')**: Mix approximately 39 sxs cement and spot a balanced plug from 293' to surface. Shut well in and WOC. Shut in well and WOC.
6. 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.



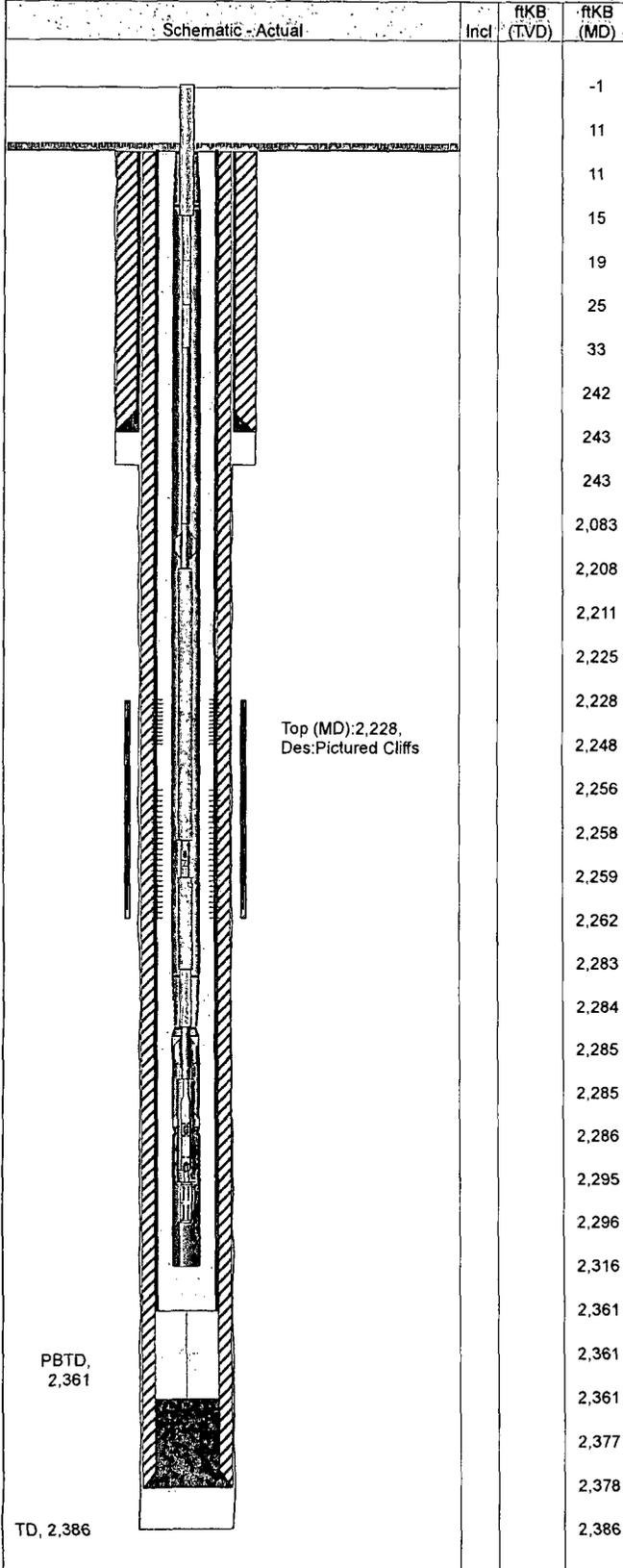
XTO - Wellbore Diagram

Current

Well Name: Bolack C 02R

API/UWI 30045337760000	E/W Dist (ft) 1,620.0	E/W Ref FWL	N/S Dist (ft) 1,860.0	N/S Ref FNL	Location T27N-R08W-S28	Field Name Blanco S Pictured Cliffs	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 72419	Orig KB Elev (ft) 6,187.00	Gr Elev (ft) 6,176.00	KB-Grd (ft) 11.00	Spud Date 2/22/2007	PBTD (All) (ftKB) Original Hole - 2361.0	Total Depth (ftKB) 2,386.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 3/27/2014 10:49:08 AM



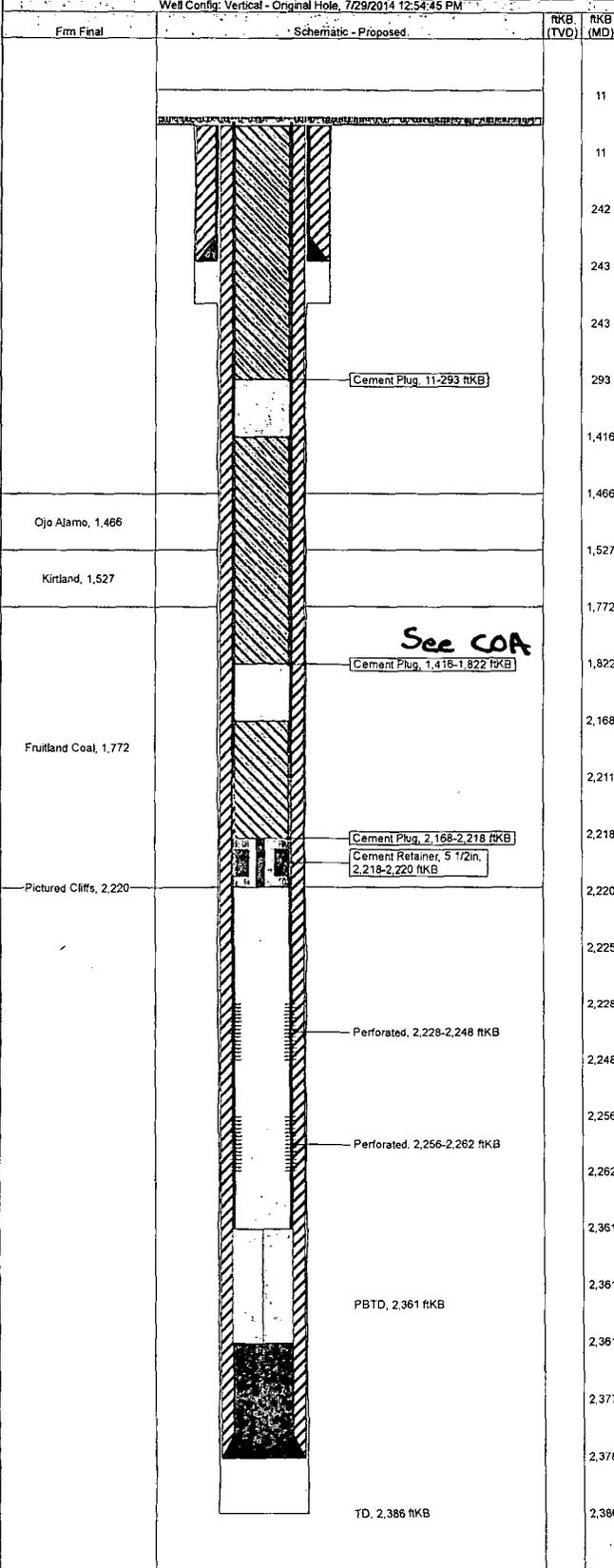
Zones		Zone	Top (ftKB)	Btm (ftKB)	
Pictured Cliffs			2,228.0	2,262.0	
Casing Strings					
-1	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection
	Surface	8 5/8	24.00	J-55	242.7
11	Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection
	Production	5 1/2	15.50	J-55	2,378.0
Cement					
15	Description	Type	String		
	Surface Casing Cement	casing	Surface, 242.7ftKB		
19	Comment				
	Good Circ. 12 Bbls returned to Pit				
25	Description	Type	String		
	Production Casing Cement	casing	Production, 2,378.0ftKB		
33	Comment				
	Plug Down @ 5:50 AM, 2 Bbls Back to Pit				
Perforations					
243	Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)
	4/10/2007	2,228.0	2,248.0	2.0	0.340
	4/10/2007	2,256.0	2,262.0	2.0	0.340
					Phasing (°)
					Curr. Status
					Zone
					Pictured Cliffs
					Ac...
					Pictured Cliffs
Tubing Strings					
2,208	Tubing Description	Run Date	Set Depth (ftKB)		
	Tubing - Production	5/16/2011	2,315.7		
Tubing Components					
2,225	Item Description	Jts	Model	OD (in)	Wt (lbs/ft)
	Tubing	69	T&C Upset	2 3/8	4.70
					Grade
					J-55
					Top Thread
					Len (ft)
					Top (ftKB)
					Btm (ftKB)
2,228					2,273.62
					11.0
					2,284.6
2,248	Pump Seating Nipple	1		2 3/8	
					1.10
					2,284.6
					2,285.7
2,256	OEMA	1		2 3/8	4.70
					J-55
					30.00
					2,285.7
					2,315.7
Rods					
2,258	Rod Description	Run Date	String Length (ft)		Set Depth (ftKB)
	Rod String	5/16/2011	2,297.00		2,296.0
Rod Components					
2,262	Item Description	Jts	Model	OD (in)	Grade
	Polished Rod	1		1 1/4	
					Len (ft)
					Top (ftKB)
					Btm (ftKB)
					16.00
					-1.0
					15.0
2,283	Rod Sub	1		3/4	D
					4.00
					15.0
					19.0
2,284	Rod Sub	1		3/4	D
					6.00
					19.0
					25.0
2,285	Sucker Rod	82	WCN-78	3/4	D
					2,050.00
					33.0
					2,083.0
2,285	Sucker Rod w/Molded Guides	5		3/4	D
					125.00
					2,083.0
					2,208.0
2,286	Sinker Bar	2		1 1/4	K
					50.00
					2,208.0
					2,258.0
2,286	Shear Tool - 21K	1		3/4	
					0.60
					2,258.0
					2,258.6
2,295	Sinker Bar	1		1 1/4	K
					25.00
					2,258.6
					2,283.6
2,295	Lift Sub	1		1	
					1.00
					2,283.6
					2,284.6
2,296	Spiral Rod Guide	1		3/4	
					0.40
					2,284.6
					2,285.0
2,296	Rod Insert Pump	1		1 1/2	
					10.00
					2,285.0
					2,295.0
2,316	Strainer Nipple	1		1	
					1.00
					2,295.0
					2,296.0
Stimulations & Treatments					
2,361	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...
	4/11/2007	2228	2262	148.43	AIR (b...)
					ATP (psi)
					MTP (psi)
					ISIP (psi)
					1,450.0
2,361	Comment				
	.040# 16/30 Brady sd per wt slips & 4,981# Poly Prop per densometer				
2,361	Frac Start Date	Top Perf (ft...)	Bottom Pe...	V (slurry) (...)	Total Prop...
	5/12/2011	2,228	2,262	1401.36	AIR (b...)
					ATP (psi)
					MTP (psi)
					ISIP (psi)
					1,38...
					1,229.0
2,377	Comment				
	Coated 21,100# sd w/Expedite L.T.				
2,378					
2,386					



XTO - Proposed P&A Wellbore Diagram

Well Name: Bolack C 02R

API/UWI 30045337760000	E/W Dist (ft) 1,620.0	E/W Ref FWL	N/S Dist (ft) 1,860.0	N/S Ref FNL	Location T27N-R08W-S28	Field Name Blanco S Pictured Cliffs	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 72419	Orig KB Elev (ft) 6,187.00	Gr Elev (ft) 6,176.00	KB-Grd (ft) 11.00	Spud Date 2/22/2007	PBTD (All) (ftKB) Original Hole - 2361.0	Total Depth (ftKB) 2,386.0	Method Of Production Beam



Zones		Top (ftKB)	Btm (ftKB)
Pictured Cliffs		2,228.0	2,262.0
Casing Strings			
11	Casing Description	OD (in)	Wt (lbs/ft)
	Surface	8 5/8	24.00
	String Grade	J-55	Top Connection
	Set Depth (ftKB)	242.7	
11	Casing Description	OD (in)	Wt (lbs/ft)
	Production	5 1/2	15.50
	String Grade	J-55	Top Connection
	Set Depth (ftKB)	2,378.0	
Cement			
242	Description	Type	String
	Surface Casing Cement	casing	Surface, 242.7ftKB
243	Comment		
	Good Circ, 12 Bbls returned to Pit		
243	Description	Type	String
	Production Casing Cement	casing	Production, 2,378.0ftKB
293	Comment		
	Plug Down @ 5:50 AM, 2 Bbls Back to Pit		
1,416	Description	Type	String
	Cement Plug	plug	Production, 2,378.0ftKB
1,416	Comment		
	Plug 1: Pump 12 sx fr/2,218' - 2,168'		
1,466	Description	Type	String
	Cement Plug	plug	Production, 2,378.0ftKB
1,466	Comment		
	Plug 2: Pump 52 sx fr/1,822' - 1,416		
1,527	Description	Type	String
	Cement Plug	plug	Production, 2,378.0ftKB
1,527	Comment		
	Plug 3: Pump 39 sx fr/293' - surface.		
1,772	Other In Hole		
	Description	OD (in)	Top (ftKB)
2,168	Cement Retainer	5 1/2	2,218.0
Perforations			
2,211	Date	Top (ftKB)	Btm (ftKB)
	4/10/2007	2,228.0	2,248.0
	Shot Dens (shots/ft)	2.0	Hole Diameter (in)
	0.340	0.340	Phasing (°)
			Zone
2,218	4/10/2007	2,256.0	2,262.0
			2.0
			0.340
			Pictured Cliffs
			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: Bolack C #2R

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 modification(s) to your plugging program are to be made:
 - a) Set plug #2 (2060-1314) ft. to cover the Fruitland, Kirtland and Ojo Alamo tops. Adjust cement volume accordingly.

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.