

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO. 1004-0135  
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 reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078818A
2. Name of Operator XTO ENERGY		6. If Indian, Allottee or Tribe Name
Contact: KRISTEN BABCOCK E-Mail: Kristen_Babcock@xtoenergy.com		7. If Unit or CA/Agreement, Name and/or No. NMNM99323
3a. Address 382 CR 3100 AZTEC, NM 87410	3b. Phone No. (include area code) Ph: 505-333-3206	8. Well Name and No. POWELL COM 01
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T32N R13W SENE 2050FNL 790FEL 36.974351 N Lat, 108.184656 W Lon		9. API Well No. 30-045-29476
		10. Field and Pool, or Exploratory BASIN FRUITLAND COAL
		11. County or Parish, and State SAN JUAN COUNTY, 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 recompletable 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 recompletable 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 site is ready for final inspection.)

XTO Energy Inc. requests to Plug and Abandon this location per the attached procedure. We will be using a Closed Loop System. Please find the following attached; Surface Reclamation Plan, and Procedure w/ WBDs Current and Proposed.

Notify NMOCD 24 hrs  
prior to beginning  
operations

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

OIL CONS. DIV DIST. 3

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

MAY 22 2015

14. I hereby certify that the foregoing is true and correct. Electronic Submission #300739 verified by the BLM Well Information System For XTO ENERGY, sent to the Farmington	
Name (Printed/Typed) KRISTEN BABCOCK	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/06/2015

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>Troy Salvors</u>	Title <u>PE</u>	Date <u>5/15/15</u>
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 <u>FFO</u>

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*****NMOCD**

LWA \_\_\_\_\_  
MTG \_\_\_\_\_  
Approved \_\_\_\_\_

## PLUG AND ABANDONMENT PROCEDURE

February 13, 2015

### Powell Com #1

Basin Fruitland Coal

2050' FNL and 790' FEL, Section 22, T32N, R13W  
San Juan County, New Mexico / API 30-045-29476

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 X, Unknown \_\_\_\_\_.  
Tubing: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Size 2-7/8", Length 566'.  
Packer: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_, Type \_\_\_\_\_.
3. **Plug #1 (Fruitland Coal perms, 484' – 434')**: Round trip 7" gauge ring to 490' or as deep as possible. RIH and set 7" cement retainer at 484'. 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 20 sxs Class B cement inside casing to isolate the Fruitland Coal perforations. PUH.
4. **Plug #2 (Fruitland top and surface, 203'-0')**: Mix approximately 50 sxs cement and spot a balanced plug from 203' to surface. Shut well in and WOC. Shut in well and WOC.
5. 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.

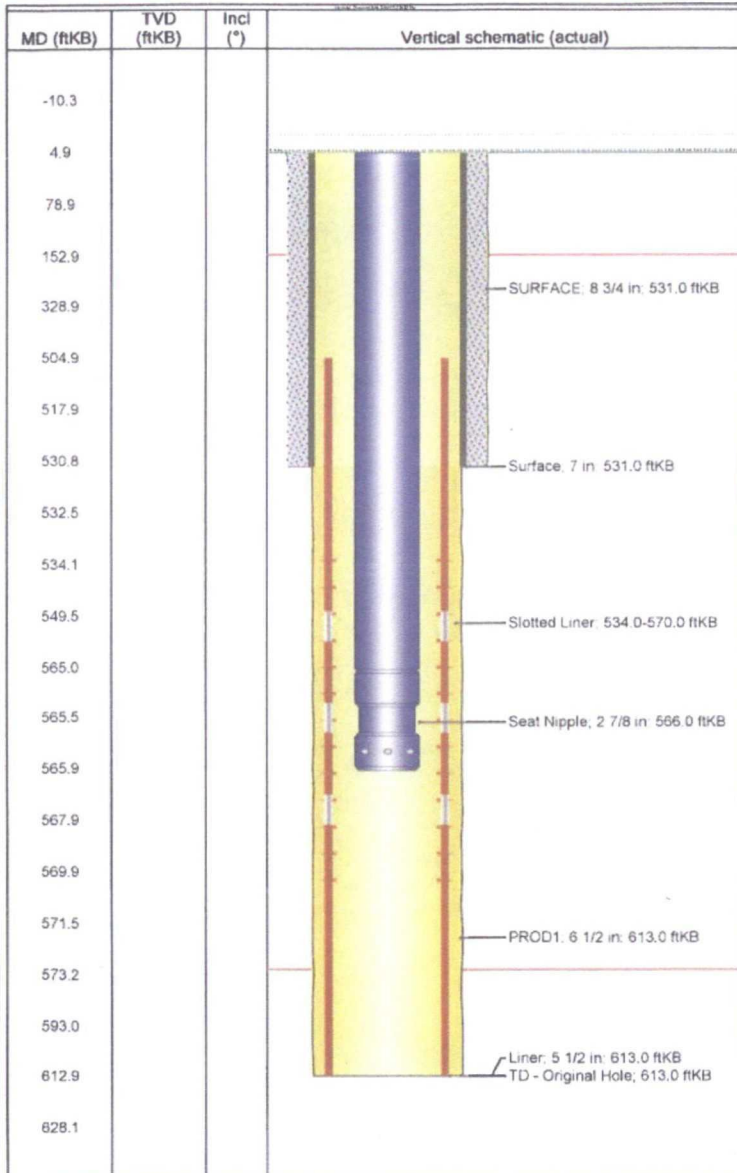




## Downhole Well Profile - with Schematic

Well Name: Powell Com 01

API/UWI 30045294760000	XTO Accounting ID 68096	Permit Number	State/Province New Mexico	County San Juan
Location T32N-R13W-S22	Spud Date 8/7/1997 00:00	Original KB Elevation (ft) 5,955.00	Ground/Corrected Ground Elevation (ft) 5,950.00	KB-Ground Distance (ft) 5.00



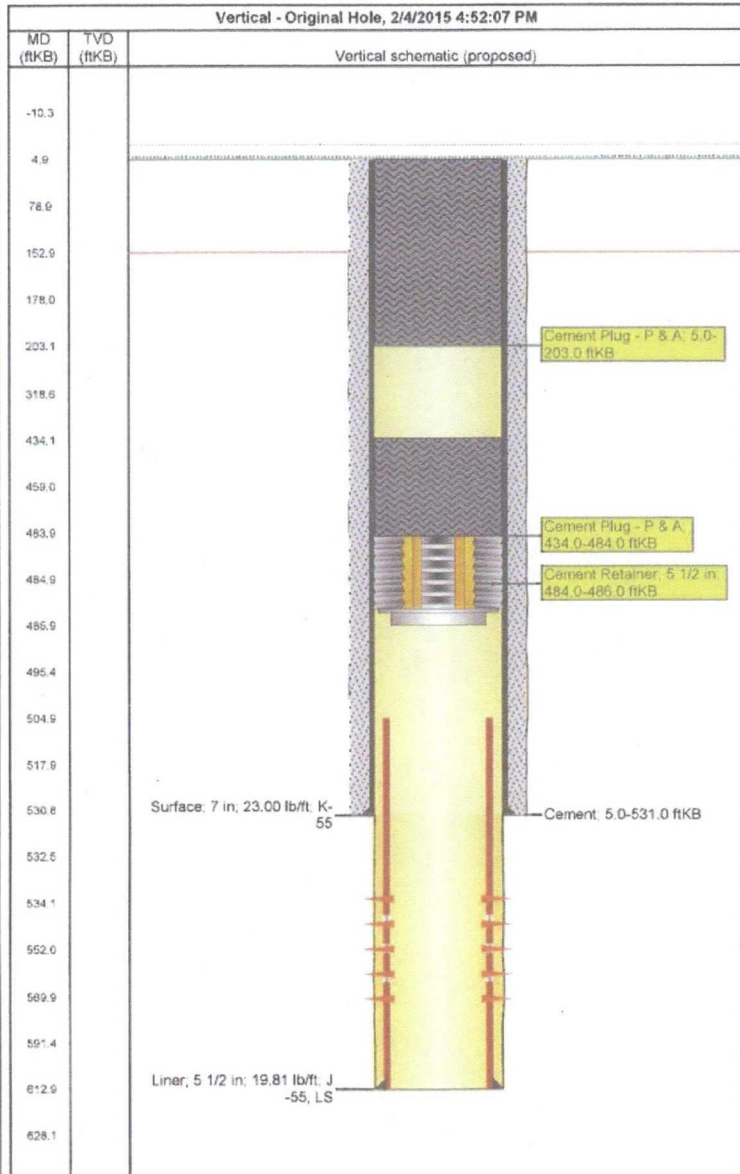
Wellbores							
Wellbore Name Original Hole			Parent Wellbore Original Hole			Wellbore API/UWI	
Start Depth (ftKB) 5.0			Profile Type			Kick Off Depth (ftKB)	
Section Des		Size (in)		Act Top (ftKB)		Act Btm (ftKB)	
SURFACE		8 3/4		5.0		531.0	
PROD1		6 1/2		531.0		613.0	
Zones							
Zone Name		Top (ftKB)		Btm (ftKB)		Current Status	
Fruitland Coal		534.0		570.0			
Casing Strings							
Csg Des		Set Depth (ftKB)		OD (in)		Wt/Len (lb/ft)	
Surface		531.0		7		23.00	
Liner		613.0		5 1/2		19.81	
Cement							
Des		Type			String		
Surface Casing Cement		Casing			Surface, 531.0ftKB		
Tubing Strings							
Tubing Description Tubing - Production			Run Date 11/23/2003			Set Depth (ftKB) 566.0	
Item Des		OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)
Tubing		2 7/8	6.50	J-55	18	560.00	5.0
Seat Nipple		2 7/8			1	1.00	565.0
Rod Strings							
Rod Description			Run Date			Set Depth (ftKB)	
Item Des		OD (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)
Other In Hole							
Run Date		Des		OD (in)		Top (ftKB)	
						Btm (ftKB)	
Perforations							
Date		Top (ftKB)		Btm (ftKB)		Zone	
		534.0		570.0			
Stimulations & Treatments							
Frac #		Top Perf (ftKB)		Bottom Perf (ftKB)		AIR (bbl/min)	
						MIR (bbl/min)	
						TWP (bbl)	
						Total Proppant (lb)	



# XTO - Proposed P&A Wellbore Diagram

Well Name: Powell Com 01

API/UWI 30045294760000	XTO Accounting ID 68096	Permit Number	State/Province New Mexico	County San Juan
Location T32N-R13W-S22	Spud Date 8/7/1997 00:00	Original KB Elevation (ft) 5,955.00	Ground/Corrected Ground Elevation (ft) 5,950.00	KB-Ground Distance (ft) 5.00



Formations				
Formation Name Kirtland		Final Top MD (ftKB)	5.0	Final Bottom MD (ftKB) 153.0
Formation Name Fruitland Coal		Final Top MD (ftKB)	153.0	Final Bottom MD (ftKB)
Wellbores				
Wellbore Name Original Hole		Parent Wellbore Original Hole		
Start Depth (ftKB) 5.0		Profile Type	Kick Off Depth (ftKB)	
Casing Strings				
Csg Des	Set Depth (ftKB)	OD (in)	Wt/Len (lb/ft)	Grade
Surface	531.0	7	23.00	K-55
Liner	613.0	5 1/2	19.81	J-55
Cement				
Des	Type	String	Com	
Surface Casing Cement	Casing	Surface, 531.0ftKB	Cmt'd w/150 sx Cl B cmt w/3% CaCl2. Circ 8 bbls cmt.	
Cement Plug - P & A	Plug	Surface, 531.0ftKB	Plug 1: Pump 20 sx f/484' - 434'.	
Cement Plug - P & A	Plug	Surface, 531.0ftKB	Plug 2: Pump 50 sx f/203' to surface.	
Perforations				
Date	Top (ftKB)	Btm (ftKB)	Zone	
8/12/1997	534.0	570.0	Fruitland Coal, Original Hole	
Other In Hole				
Des	OD (in)	Top (ftKB)	Btm (ftKB)	
Cement Retainer	5 1/2	484.0	486.0	





## P&A Reclamation Plan

8/02/2013

Powell Com 1

API 30-045-29476

Lease # NMSF-078818A

Lat: 36.97427 Long: -108.18401

Footage: 2050' FNL & 790' FEL

SE/NE Sec. 22H, T32N, R13W

### ***1.0 PURPOSE and SCOPE***

1.1) The purpose of this document is to ensure final reclamation of associated pad and access roads as required by applicable laws and regulations. Properly performed reclamation procedures are required to preserve Private, Public, Tribal and National Forest lands, mitigating any possible environmental/surface owner issues that could potentially arise. This reclamation plan is designed to provide environmentally sound, safe, prudent and specific guidelines, while implementing Best Management Practices, to assist in returning disturbed soils to a level consistent with the surrounding topography prior to the approved disturbance.

### ***2.0 PRE-RECLAMATION SITE INSPECTION***

2.1) A pre-reclamation site inspection with BLM Farmington Field Office (FFO) Authorized Officer (AO) **Randy McKee** and XTO Energy, Inc. representatives **Brent Beaty & Luke McCollum** took place on **8/1/2013**, prior to implementation of the reclamation process to determine contours, silt trap placement; seed mix selection, weed abatement procedures as well as additional requirements needed to assist in returning the area to applicable pre-disturbance condition.

### ***3.0 PROCEDURES***

3.1) Rehabilitation work will be completed within one year from plug date. No new disturbance will be allowed outside current disturbed areas to be reclaimed. Notifications, as stipulated in the APD, will be provided to proper authorities via sundry notifications, e-mail, or phone within required time frames.

3.2) All fences, production equipment, purchaser's equipment, concrete slabs, anchors, flow lines (above ground and/or subterranean), risers (**XTO meter run, riser, and sales line to be**

*removed to edge of location as determined during onsite*), debris, and trash will be removed from location and disposed of at approved facilities. Existing drop pole will be removed with main power poles remaining.

Contour to match existing topography as closely as possible.

Diversion ditch



Silt Trap

Security fence to block access

**3.3) Production pits** will be closed and remediated according to Federal, State, and Local guidelines. Proper notifications will be made according to above regulations as required. Impacted soil discovered during reclamation activities will be remediated and disposed of at an approved waste facility according to above mentioned guidelines and regulations. *(No existing pits on location)*

**3.4) Available top soil**, typically the top 6", will be stockpiled during reclamation procedures with the top soil being redistributed after completion of earthwork to assist in achieving adequate vegetation growth.

**3.5) Gravel** on location will be removed and/or may be placed/buried in cut areas to assist in contouring or, with AO approval, used on surrounding lease roads for road stabilization. *(Gravel will be buried on the Powell Com 1 location as determined during onsite inspection.)*

**3.6)** Disturbed areas will be returned (as close as possible), weather permitting, to pre-disturbance topography. *A diversion ditch will be cut across the north of reclaimed area*



*draining to the south east with a silt trap will be placed on reclaimed access road at east edge of location to assist in erosion control. Contours will be placed to mimic, as close as possible, the ridge present on North portion of cut slope.* The removal of sharp angular corners and redefinition of natural drainage will be priority allowing for additional contouring, as needed, to aid in erosion control. Reclaimed areas will be ripped to depths of a minimum of 12" (inches), leaving the surface as rough as necessary, to provide sufficient root establishment, growth, and stabilization of disturbed areas.

3.7) Access roads not required will be reshaped, reclaimed and contoured as close as possible to surrounding area (*Access road will be reclaimed from pad back to adjoining road (approximately 50' as determined during onsite).*) Top soil, typically the top 6", preserved during reclamation procedures will be pulled up and redistributed after completion of earthwork to assist in achieving adequate vegetation growth

3.8) Seeding will be accomplished, following proper agency notifications, with recommended procedures. Appropriate certified weed free seed mixes (*determined during onsite inspection*) will be used. *The Badlands community was identified with Fourwing saltbush (Atriplex canescens) @ 4.0 PLS/acre, Shadscale (Atriplex confertifolia) @ 2.0 PLS/acre, Indian ricegrass (Achnatherum hymenoides) @ 5.0 PLS/acre, Alkali sacaton (Sporobolus airoides) @ 0.25 PLS/acre, Galleta (Pleuraphis jamesii) @ 4.0 PLS/acre, Blue grama (Bouteloua gracilis) @ 2.0 PLS/acre and Small flower globemallow (Sphaeralcea parvifolia) @ 0.25 PLS/acre being chosen during onsite as preferred seed mix for this location.* Seed will be distributed via appropriate methods as dictated by topography of reclaimed areas. Additional methods, as dictated by reclaimed topography, may be utilized to control runoff and assist in established growth.

3.9) Fencing, signage, and other deterrents will be installed when deemed necessary to discourage travel on reclaimed areas. (*A security fence will be placed at beginning of reclaimed access road (approx. 50') as determined during onsite.*)

#### **4.0 ARCHAEOLOGICAL CONCERNS**

4.1) Any disturbance activity outside approved areas will require additional BLM approval and may require an additional survey.

4.2) All employees will be educated on the importance of cultural site preservation and legalities of disturbing cultural sites.

4.3) If any cultural sensitive areas are unearthed during the reclamation process work will be immediately suspended with the incident reported to the BLM. The BLM will then notify XTO how to proceed.

#### **5.0 THREATENED AND ENDANGERED SPECIES (T&E)**

5.1) If any T&E not previously surveyed are discovered during reclamation activities work will be immediately suspended and the BLM T&E Specialist will be promptly notified.

## **6.0 WILDLIFE RESTRICTIONS**

6.1) Closures and restrictions specified in the APD, if applicable, will be strictly adhered to.

## **7.0 PALEONTOLOGY**

7.1) Unknown paleontology discoveries during the reclamation process will immediately halt activities and the BLM AO will be notified. XTO will standby for further instructions.

## **8.0 ABANDONMENT MARKER**

8.1) Required marker as specified by the BLM will be installed.

## **9.0 WEED MANAGEMENT**

9.1) Use of approved pesticides/herbicides shall be according to applicable Federal, State, Tribal and local laws. Management of Invasive and Noxious Weeds, as listed on the BLM Noxious and Invasive list, will be dealt with in a prompt and environmentally safe manner. Noxious or invasive weeds will be eradicated using pesticides/herbicides appropriate for the type of weed found and seed mixes used on reclaimed areas. Pesticide/herbicide use shall be approved by BLM Specialist prior to application. Emergency pesticide/herbicide use shall be approved by BLM Specialist prior to application. Proper authorities will be notified at times specified by BLM with required information regarding pesticide use plans (PUPs), spraying procedures and types of weeds found. (*No noxious or invasive weeds were identified during onsite. Monitoring will continue during life of project as required by laws, rules and regulations*).

## **10.0 MONITORING**

10.1) After attaining reclamation approval FFO and operator will establish a *line point intercept transect* for the achievement of *required growth percentages with relation to chosen plant communities*. Growth monitoring will be conducted and recorded as required until appropriate growth is accomplished. Vegetative cover will be accomplished when growth has reached amounts equal to those required for specific well locations and appropriate procedures.



**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: Powell Com #1

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.

Note: H2S has not been reported in this section; however, low concentrations of H2S (10 ppm - 15ppm 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.