

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF077382	
2. Name of Operator XTO ENERGY INC.		6. If Indian, Allottee or Tribe Name	
3a. Address 382 CR 3100 AZTEC, NM 87410	3b. Phone No. (include area code) 505-333-3630	7. If Unit or CA/Agreement, Name and/or No.	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1520' FSL & 1610' FWL NESW SEC.4 (K) -T27N-R10W N.M.P.M.		8. Well Name and No. RP HARGRAVE B #2	
		9. API Well No. 30-045-21057	
		10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL	
		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 recomple 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 recomple 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 NMOC D 24 hrs
prior to beginning
operations**



H₂S POTENTIAL EXIST

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) SHERRY J. MORROW	Title REGULATORY ANALYST
Signature <i>Sherry J. Morrow</i>	Date 7/29/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Troy Salyers</i>	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	

**RP Hargrave B #2
Sec 4, T 27 N, R 10 W
San Juan County, New Mexico
7/16/2014**

Plug and Abandon Procedure

AFE Number: 1406557
Spud Date: 10/26/1972
Surface Casing: 8-5/8", 23#, X-42 csg @ 205'. Cmt'd w/200 sx. Circ cmt to surf.
Production Casing: 4-1/2", 9.5#, K-55 csg @ 2,053'. Cmt'd w/525 sx. Circ cmt to surf.
Capacity: .0162 bbls/ft or .6825 gal/ft
Production Tubing: 2-3/8" string
Other in Hole: CICR: 1,745'
Perforations: Fruitland Coal: 1,772' – 1,945'
Pictured Cliffs: 1,950' – 1,974'
PBTD: 2,040'
Recent Production: Shut-in since 7/2/2014. 0 mcfpd, 0 bwpd (CICR).

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. ND WH. NU & FT BOP.
7. TOH tubing.
8. MIRU WLU. Review JSA.
9. Run CBL/CCL/Gamma Ray log from CICR @ 1,745' – surface. Correlate to Compensated Density log dated 10/30/1972. 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.

Casing will not pressure test. All plugs must be tagged until casing pressure tests.

See CoA

12. **Perforation Isolation Plug (1,745' – 1,695')**: Pump 10 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,745' – 1,695' (volume calculated with 50' excess).

See CoA

13. **Kirtland & Ojo Alamo Top Plug (1,118' – 860')**: Pump 25 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,118' – 860' (volume calculated with 50' excess).

14. **Surface Plug (255' – Surface)**: Pump 25 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 255' – surface (volume calculated with 50' excess).

15. TOH & LD tubing.

16. RDMO cement truck.

17. WOC 4 hours.

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

19. 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 doesn't PT, 1,800' 2-3/8" workstring
3. 60 sx Class "B" cement
4. 1 above ground marker

Services:

1. Completion rig
2. Cement truck
3. WLU



XTO - Wellbore Diagram

Current

Well Name: RP Hargrave B 02

API/UMI 30045210570000	E/W Dist (ft) 1,610.0	E/W Ref FWL	N/S Dist (ft) 1,520.0	N/S Ref FSL	Location T27N-R10W-S04	Field Name Basin Fruitland Coal	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 70408	Orig KB Elev (ft) 6,021.00	Gr Elev (ft) 6,012.00	KB-Grd (ft) 9.00	Spud Date 10/26/1972	PBTD (All) (ftKB) Original Hole - 2040.0	Total Depth (ftKB) 2,053.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 7/22/2014 8:22:00 AM

Schematic - Actual		Incl	ftKB (TVD)	ftKB (MD)	Zones
					Zone Top (ftKB) Btm (ftKB)
					Fruitland Coal 1,772.0 1,945.0
					Pictured Cliffs 1,950.0 1,974.0
					Casing Strings
					Casing Description OD (in) Wt (lbs/ft) String Grade Top Connection Set Depth (ftKB)
					Surface 8 5/8 23.00 X-42 205.0
					Production 4 1/2 9.50 K-55 2,053.0
					Cement
					Description Type String
					Surface Casing Cement casing Surface, 205.0ftKB
					Comment
					Cmt'd w/200 sx CI A cmt. Circ cmt to surf.
					Description Type String
					Production Casing Cement casing Production, 2,053.0ftKB
					Comment
					Cmt'd w/450 sx CI C 50:50 Poz mix. Tailed in w/75 sx CI C neat cmt. Circ cmt to surf.
					Description Type String
					Cement Squeeze squeeze Production, 2,053.0ftKB
					Comment
					Sqz'd PC Perfs f/1,950'-74' w/250 sx CL B Cmt.
					Perforations
					Date Top (ftKB) Btm (ftKB) Shot Dens (shots/ft) Hole Diameter (in) Phasing (°) Curr. Status Zone
					1/14/1992 1,772.0 1,883.0 8.0 Fruitland Coal
					12/20/1991 1,772.0 1,945.0 8.0 Fruitland Coal
					1/18/1992 1,925.0 1,945.0 4.0 Fruitland Coal
					11/7/1972 1,950.0 1,974.0 2.0 Sq... Pictured Cliffs
					Tubing Strings
					Tubing Description Run Date Set Depth (ftKB)
					Tubing - Other 7/2/2014 1,726.4
					Tubing Components
					Item Description Jts Model OD (in) Wt (lbs/ft) Gra... Top Thread Len (ft) Top (ftKB) Btm (ftKB)
					Tubing 52 T&C Upset 2 3/8 4.70 J-55 1,715.88 9.0 1,724.9
					Seat Nipple 1 2 3/8 1.10 1,724.9 1,726.0
					Notched Collar 1 2 3/8 0.40 1,726.0 1,726.4
					Stimulations & Treatments
					Frac Start Date Top Perf (ft...) Bottom Pe... V (slurry) (...) Total Prop... AIR (b...) ATP (psi) MTP (psi) ISIP (psi)
					11/7/1972 1950 1974 35,000.0 36 1,000.0 500.0
					Comment
					Frac PC Dwn Csg w/35,000 Gals Wtr (w/10# Gel/1,000 Gal), 5,000# 20/40 SD, 20,000# 10/20 SD & 10,000# 8/12 SD @ 36 BPM & 1,000 PSIG. ISIP 500 PSIG. 10" SIP 0 PSIG
					Frac Start Date Top Perf (ft...) Bottom Pe... V (slurry) (...) Total Prop... AIR (b...) ATP (psi) MTP (psi) ISIP (psi)
					12/21/1991 1772 1945
					Comment
					Attempted to Frac FC w/103,000 Gals Pad & 40/70 SD. Well Press'd Out
					Frac Start Date Top Perf (ft...) Bottom Pe... V (slurry) (...) Total Prop... AIR (b...) ATP (psi) MTP (psi) ISIP (psi)
					12/23/1991 1772 1945
					Comment
					Refrac FC w/136,000 Gals Pad & 40/70 SD. Incr SD f/1/8 to 1 PPG. Well screened out @ 3,653 PSIG.
					Frac Start Date Top Perf (ft...) Bottom Pe... V (slurry) (...) Total Prop... AIR (b...) ATP (psi) MTP (psi) ISIP (psi)
					1/20/1992 1772 1945
					Comment
					Mini Frac FC f/1,772-1,945' w/57,100 Gals Wtr f/35 to 62 BPM & 3,400 PSIG. Final ISIP 2,350 PSIG. 15" SIP 1,200 PSIG.
					Frac Start Date Top Perf (ft...) Bottom Pe... V (slurry) (...) Total Prop... AIR (b...) ATP (psi) MTP (psi) ISIP (psi)
					1/23/1992 1772 1945 173,00... 80 2,170.0 550.0
					Comment
					Frac w/157,000 Gals Slick Wtr & 173,000# 20/40 SD @ 80 BPM & 2,170 PSIG. ISIP 550 PSIG, 15" SIP 100 PSIG.

Cement Retainer, 4
1/2, 1,745-1,747Top (MD): 1,772,
Des: Fruitland CoalTop (MD): 1,950,
Des: Pictured CliffsPBTD,
2,040

TD, 2,053

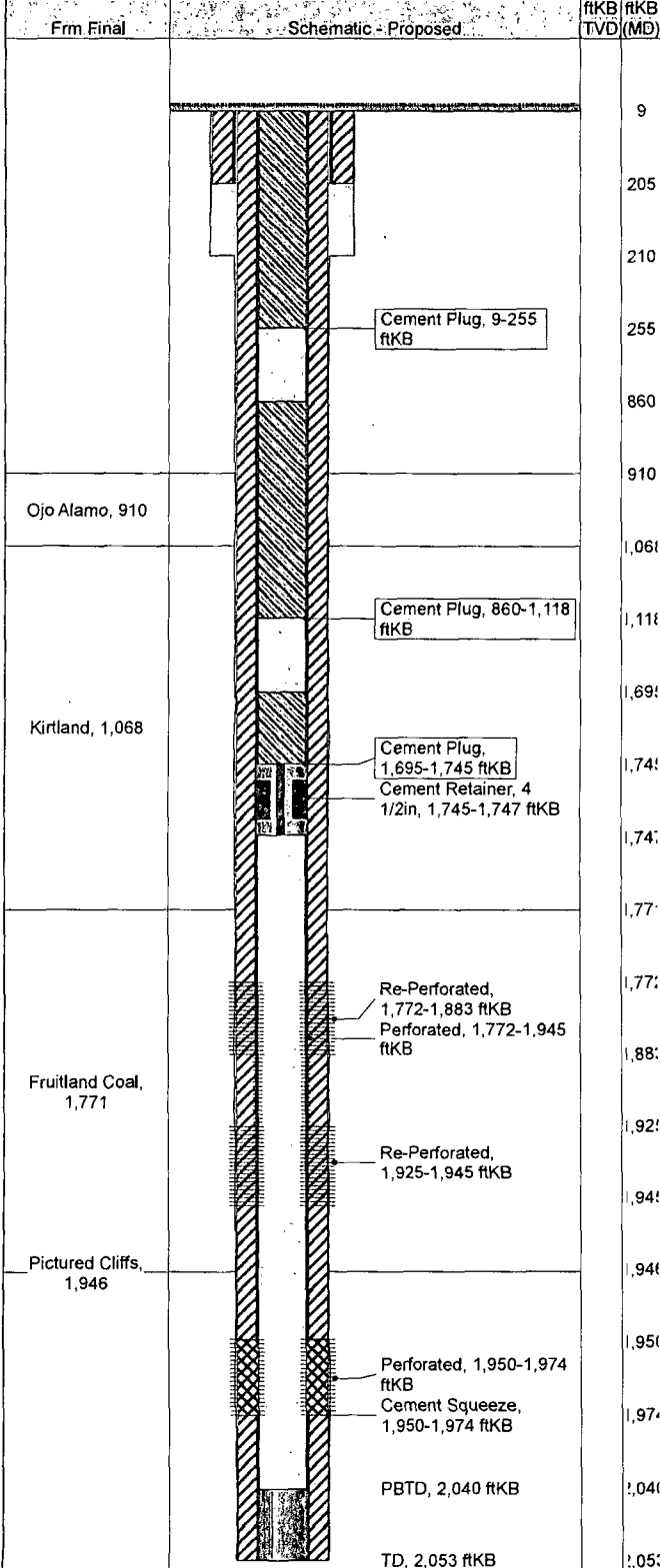


XTO - Proposed P&A Wellbore Diagram

Well Name: RP Hargrave B 02

API/UWI 30045210570000	E/W Dist (ft) 1,610.0	E/W Ref FWL	N/S Dist (ft) 1,520.0	N/S Ref FSL	Location T27N-R10W-S04	Field Name Basin Fruitland Coal	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 70408	Orig KB Elev (ft) 6,021.00	Gr Elev (ft) 6,012.00	KB-Grd (ft) 9.00	Spud Date 10/26/1972	PBTD (All) (ftKB) Original Hole - 2040.0	Total Depth (ftKB) 2,053.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 7/22/2014 8:22:00 AM



Zones						
Zone	Top (ftKB)		Btm (ftKB)			
Fruitland Coal	1,772.0		1,945.0			
Pictured Cliffs	1,950.0		1,974.0			
Casing Strings						
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)	
Surface	8 5/8	23.00	X-42		205.0	
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftKB)	
Production	4 1/2	9.50	K-55		2,053.0	
Cement						
Description	Type	String				
Surface Casing Cement	casing	Surface, 205.0ftKB				
Comment						
Cmt'd w/200 sx CI A cmt. Circ cmt to surf.						
Description	Type	String				
Production Casing Cement	casing	Production, 2,053.0ftKB				
Comment						
Cmt'd w/450 sx CI C 50:50 Poz mix. Tailed in w/75 sx CI C neat cmt. Circ cmt to surf.						
Description	Type	String				
Cement Plug	plug	Production, 2,053.0ftKB				
Comment						
Perforation Isolation Plug: Pump 10 sx fr/1,745' - 1,695'.						
Description	Type	String				
Cement Plug	plug	Production, 2,053.0ftKB				
Comment						
Kirtland & Ojo Alamo Top Plug: Pump 25 sx fr/1,118' - 860'.						
Description	Type	String				
Cement Plug	plug	Production, 2,053.0ftKB				
Comment						
Surface Plug: Pump 25 sx fr/255' - surface.						
Description	Type	String				
Cement Squeeze	squeeze	Production, 2,053.0ftKB				
Comment						
Sqz'd PC Perfs f/1,950'-74' w/250 sx CL B Cmt.						
Other In Hole						
Description			OD (in)	Top (ftKB)		
Cement Retainer			4 1/2	1,745.0		
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Zone
11/14/1992	1,772.0	1,883.0	8.0			Fruitland Coal
12/20/1991	1,772.0	1,945.0	8.0			Fruitland Coal
1/18/1992	1,925.0	1,945.0	4.0			Fruitland Coal
11/7/1972	1,950.0	1,974.0	2.0			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: RP Hargrave B #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 up to 1581 ft. to cover the Fruitland top. Adjust cement volume accordingly.
 - b) Bring the top of plug #2 up to 850 ft. to cover the Ojo Alamo top. Adjust cement volume accordingly.

Note: H₂S has not been reported at this location; however, low concentrations of H₂S (3 ppm GSV) have been reported in the SESW/4 of Sec.8, 27N, 10W.

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.