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Form 3160-5  
(February 2005)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

MAR 21 2017

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.*

Farmington Field Office  
Bureau of Land Management

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>NMSF-078762</b>
2. Name of Operator <b>WPX Energy Production, LLC</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>PO Box 640    Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-333-1816</b>	7. If Unit of CA/Agreement, Name and/or No. <b>NMNM78407E</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SHL: 970' FSL &amp; 1640' FWL SEC 13 31N 5W</b>		8. Well Name and No. <b>Rosa Unit #371</b>
		9. API Well No. <b>30-039-27239</b>
		10. Field and Pool or Exploratory Area <b>Basin Fruitland Coal</b>
		11. Country or Parish, State <b>Rio Arriba, NM</b>

OIL CONS. DIV DIST. 3

APR 03 2017

12. CHECK THE 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 checked="" type="checkbox"/> Other <u>Plug and Abandon</u>
	<input type="checkbox"/> Change Plans	<input 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

USFS

Notify NMOCD 24 hrs  
prior to beginning  
operations

WPX Energy requests to plug and abandoned the above mentioned well. Attached is the wellbore and plugging procedure.

**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) Lacey Granillo		Title Permit Tech III
Signature		Date 3/21/17

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title PE	Date 3/28/17
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	

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.

(Instructions on page 2)

NMOCD

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# THE AZTEC WELL FAMILY

Established Aztec Well Servicing



## WPX Energy Plug & Abandon Procedure December 20, 2016

Well: Rosa #371 API: 30-039-27239  
Location: SHL: 970' FSL & 1640' FWL Field:  
BHL: 2001' FNL & 682' FWL  
Sec, T, R: SHL: Sec. 13, T31N, R5W Elevation: 6530' GR  
BHL: Sec 13, T31N, R5W  
Cnty/State: Rio Arriba, New Mexico  
Lat/Long: 36.9011733513902,-107.320205111895 By: Aztec Well Servicing

### Objective:

Permanently plug & abandon the well from 3050' to surface containing 4 separate cement plugs.

### Prior to Rig:

1. Notify BLM & NMOCD
2. Note: verify all cement volumes based on actual slurry to be pumped
3. See attached COA's from BLM

### Procedure:

1. MIRU P&A package, spot tubing trailer & hot shot trailer for rods
2. LD  $\frac{3}{4}$ " rods (4—1 1/4" sinker bars, 58 guided rods, 83 plain rods, 6', 4', & 4' pony rod)
3. ND WH & NU BOP, rig up floor and equip
4. LD 2 3/8" production string (128 jts w/stainless steel chem. Cap string strapped to outside of tbg)
5. Rig up wireline. RIH & shoot 2 holes at 3175' inside the 4-1/2" un-cemented liner.  
Note: Liner top at 2471'. Rig down wireline
6. Tally and round trip 4 1/2" casing scraper to 3100'
7. TIH w/CICR on 2-3/8" tubing (workstring) and set CICR at 3075'.
8. Close pipe rams & pressure test casing to 500psi. WOC TBD after casing test  
(possible WOC's if no test = 4hrs each plug)
9. **Plug #1, 3025' - 3175' (Fruitland Top - 3125')**: Mix and pump 27 sx (31.9 cf) of Class B cement (or equivalent), sting out of retainer leaving ~ 50' of cement on top of CICR. Note: volumes based on covering 150' inside casing and between 4-1/2"/7" annulus.
10. WOC 4.0hrs, Pull above cement and reverse circulate TBG clean.
11. TIH & tag TOC no lower than calculated. TOOH w/ TBG
12. **Plug #2, 2620' - 2895' (Kirtland Top: 2845', Ojo Alamo Top: 2720')**: RIH & shoot 2 holes at 2895' inside the 4-1/2" un-cemented liner. Note: Liner top at 2471'. TIH w/ CICR on 2-3/8" tubing (workstring) and set CICR at 2670'. Mix and pump 48 sx (56.6 cf) of Class B cement (or equivalent), sting out of retainer leaving ~ 50' of cement on top of CICR. Note: volumes based on covering 275' inside casing and between 4-1/2"/7" annulus.

# THE AZTEC WELL FAMILY

Family owned. Founded in 1963 with Aztec Well Servicing Co.



## WPX Energy Plug & Abandon Procedure December 20, 2016

**Well:** Rosa #371 **API:** 30-039-27239  
**Location:** SHL: 970' FSL & 1640' FWL **Field:**  
BHL: 2001' FNL & 682' FWL  
**Sec, T, R:** SHL: Sec. 13, T31N, R5W **Elevation:** 6530' GR  
BHL: Sec 13, T31N, R5W  
**Cnty/State:** Rio Arriba, New Mexico  
**Lat/Long:** 36.9011733513902,-107.320205111895 **By:** Aztec Well Servicing

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13. WOC 4.0hrs, Pull above cement and reverse circulate TBG clean.
14. TIH & tag TOC no lower than calculated. TOOH w/ TBG
15. **Plug #3, 2371 - 2421' (Liner Top: 2471')**: RIH and set CICR/CIBP at 2421'. Spot 10 sx (11.8 cf) of cement on top of CIBP.
16. WOC 4.0hrs, Pull above cement and reverse circulate TBG clean.
17. TIH & tag TOC no lower than calculated. TOOH w/ TBG
18. **Plug #4, (9-5/8" Surface casing shoe, 338' to Surface)**: If required by BLM, Perforate at 338' (50' below casing shoe) and attempt to establish circulation to surface out the Intermediate casing valve (note: circulated cement to surface on surface casing & intermediate casing strings when well was drilled). Mix approximately 65 sxs (76.7 cf) of cement and pump down the 7" casing to circulate out the Intermediate casing valve. If unable to circulate, top off as necessary.
19. ND BOP and cut off wellhead below surface casing flange per regulation. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per NMOCD and/ or BLM stipulations.

**ROSA UNIT #371**  
**BASIN FRUITLAND COAL**  
**Proposed P&A**

Spud date: 08/14/02  
 Completed: 08/31/02  
 1st Delivered: 09/24/02

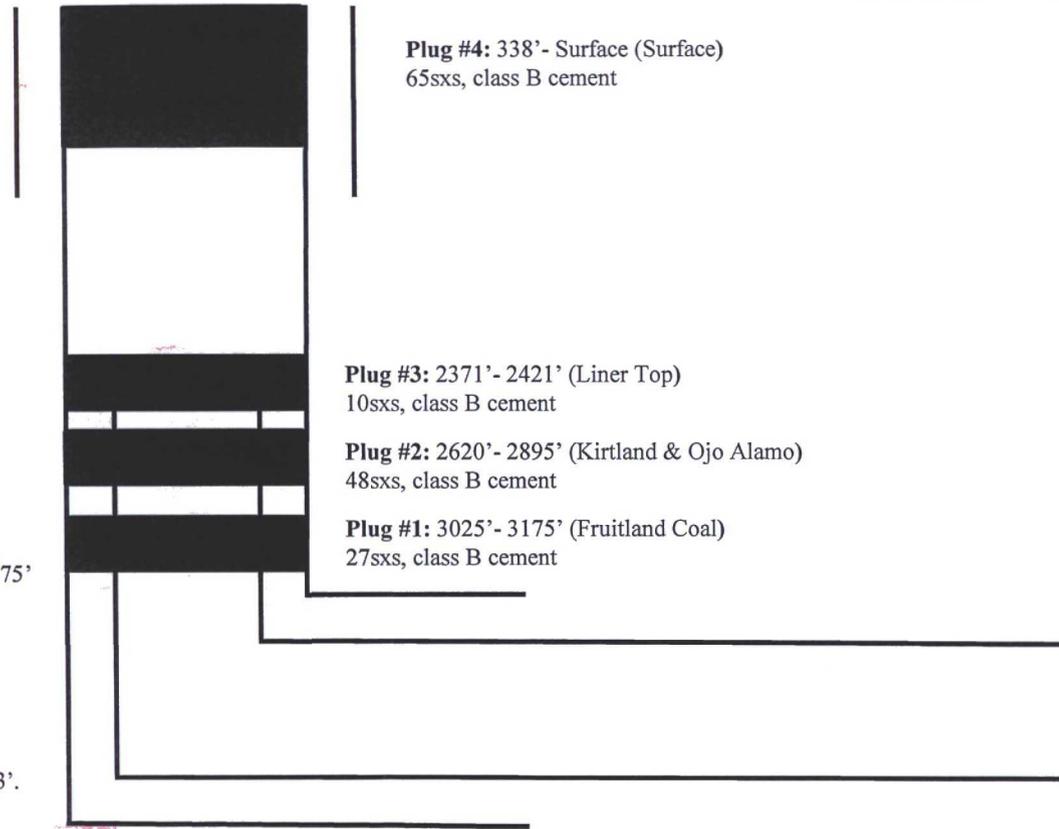
**Location:**

**SHL:** 970' FSL and 1640' FWL  
 SE/4 SW/4 Sec 13(N), T31N, R05W  
**BHL:** 2001' FNL and 682' FWL  
 SW/4 NW/4 Sec 13(E), T31N, R05W  
 Rio Arriba, New Mexico

**Elevation:** 6530' GR  
**API #** 30-039-27239

Top	Depth
Ojo Alamo	2720'
Kirtland	2845'
Fruitland	3125'
Base of Coal	3360'

Set CICR @ 3075'



MD @ 5621'  
 TVD @ 3341'

76 jts 7", 20#, K-55, ST&C csg @ 3568'. Float @ 3523'.  
 Cemented with 600 sx cmt.

Perforated csg  
 3492' - 5621'

72 jts 4-1/2", K-55, ST&C csg as follows: 50 jts, 11.5# perforated csg (2128.74') & 22 jts of 10.5# non-perforated csg (1014.46'). Total liner = 3149.89'. Set liner @ 5621'. Did not cement

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8", 36#	350 sx	437 cu ft.	surface
8-3/4"	7", 20#	600 sx	1100 cu ft.	surface
6-1/4"	4-1/2", 10.5#	Did Not Cmt	N/A	N/A

**ROSA UNIT #371  
BASIN FRUITLAND COAL**

Spud date: 08/14/02  
Completed: 08/31/02  
1st Delivered: 09/24/02

**Location:**

**SHL:** 970' FSL and 1640' FWL  
SE/4 SW/4 Sec 13(N), T31N, R05W  
**BHL:** 2001' FNL and 682' FWL  
SW/4 NW/4 Sec 13(E), T31N, R05W  
Rio Arriba, New Mexico

**Elevation:** 6530' GR  
**API #** 30-039-27239

Top	Depth
Ojo Alamo	2720'
Kirtland	2845'
Fruitland	3125'
Base of Coal	3360'

Pumping Unit  
Dansco 114-143-64

6 jts 9-5/8", 36#, K-55, ST&C csg @ 288'.  
Cemented with 150 sx cmt

128 jts of 2 3/8", 4.7#, J-55, EUE tbg as follows: 1.78" F-Nipple @ 3655', mud anchor @ 3681'(200' 1/4" stainless steel chem cap string strapped to outside of tbg).

Rod String: 4 - 1 1/4" sinker bars, 58- 3/4" guided rods, 83 - 3/4" plain rods, 6', 4', & 4' pony rods, 22' polish rod w/ 10' liner.

Insert Pump: 2" x 1 1/4" RHAC Flotek Pump with 6' x 1" gas anchor.

MD @ 5621'  
TVD @ 3341'

76 jts 7", 20#, K-55, ST&C csg @ 3568'. Float @ 3523'.  
Cemented with 600 sx cmt.

Perforated csg  
3492' - 5621'

72 jts 4-1/2", K-55, ST&C csg as follows: 50 jts, 11.5# perforated csg (2128.74') & 22 jts of 10.5# non-perforated csg (1014.46'). Total liner = 3149.89'. Set liner @ 5621'. Did not cement

Hole Size	Casing	Cement	Volume	Top of CMT
12-1/4"	9-5/8", 36#	350 sx	437 cu ft.	surface
8-3/4"	7", 20#	600 sx	1100 cu ft.	surface
6-1/4"	4-1/2", 10.5#	Did Not Cmt	N/A	N/A

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: Rosa Unit 371

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) Set a cement plug (1546-1446) ft. to cover the Nacimiento top. BLM picks top of Nacimiento at 1496 ft.

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.

OIL CONS. DIV DIST. 3

APR 05 2017