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Form 3160-5  
(February 2005)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Farmington Field Office  
Bureau of Land Management

**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. NMSF-078769
2. Name of Operator WPX Energy Production, LLC		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 640    Aztec, NM 87410	3b. Phone No. (include area code) 505-333-1808	7. If Unit of CA/Agreement, Name and/or No. NMMN 78407E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SHL: 95' FNL & 43' FWL, Sec 19, T31N, R5W BHL: 2042' FNL & 1919' FEL, Sec 21 T31N, R5W		8. Well Name and No. Rosa Unit #648H
		9. API Well No. 30-039-31320
		10. Field and Pool or Exploratory Area Basin Mancos
		11. Country or Parish, State Rio Arriba, NM

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 <b>P&amp;A</b>
	<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.)

WPX plans to P&A the above mentioned well per attached well bore diagram and plugging procedure.

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**

MAR 04 2016

Notify NMOCD 24 hrs prior to beginning operations

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Lacey Granillo		Title Permit Tech III	
Signature		Date 3/1/16	
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>			
Approved by		Title PE	Date 3/4/16
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

KC  
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## PLUG AND ABANDONMENT PROCEDURE

February 10, 2016

### Rosa Unit 648H

#### Basin Mancos

955' FNL, 436' FWL, Section 19, T31N, R5W, Rio Arriba County, New Mexico

API 30-039-31320 / Long \_\_\_\_\_ / \_\_\_\_\_

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. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. 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.
3. Rods: Yes \_\_\_\_\_, No  , Unknown \_\_\_\_\_.  
Tubing: Yes \_\_\_\_\_, No  , Unknown \_\_\_\_\_, Size \_\_\_\_\_, Length \_\_\_\_\_.  
Packer: Yes \_\_\_\_\_, No \_\_\_\_\_, Unknown \_\_\_\_\_, Type \_\_\_\_\_.  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **Plug #1 (Mancos, Mesaverde, Chacra and TOF, 4405' – 4305')**: Round trip 7" gauge ring or mill to 4405' or as deep as possible to tag fish. RIH and set 7" DHS cement retainer at 4405'. Pressure test tubing to 1000#. Spot 29 sxs Class B cement inside the casing above the CR to isolate the Mancos, Mesaverde and Chacra intervals and fish. PUH.
5. **Plug #2 (Pictured Cliffs and Fruitland tops top, 3466' – 3096')**: Mix 29 sxs Class B cement and spot a balanced plug to isolate through the Fruitland top. PUH.
6. **Plug #3 (Kirtland and Ojo Alamo tops, 2618' - 2418')**: Mix 47 sxs Class B cement and spot a balanced plug to cover the Kirtland and Ojo Alamo tops. PUH
7. **Plug #4 (Nacimiento top, 1328' – 1228')**: Mix 29 sxs Class B cement and spot a balanced plug to cover through the Nacimiento top. PUH.
8. **Plug #5 (9.625" Surface casing shoe, 332' - Surface)**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 75 sxs cement and spot a balanced plug from 332' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casings to surface. Shut in well and WOC.
9. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. Cut off anchors and clean up location. Restore location per BLM stipulations.

# Rosa Unit 648H

## Proposed P&A

### Basin Mancos

955' FNL, 436' FWL, Section 19, T-31-N, R-5-W, Rio Arriba County, NM

Lat: \_\_\_\_\_ N / Lat: \_\_\_\_\_ W, API #30-039-31320

Today's Date: 2/10/16

Spud: 7/25/15

Not completed

Elevation: 6305' GI

Nacimiento @ 1278'

Ojo Alamo @ 2468'

Kirtland @ 2568'

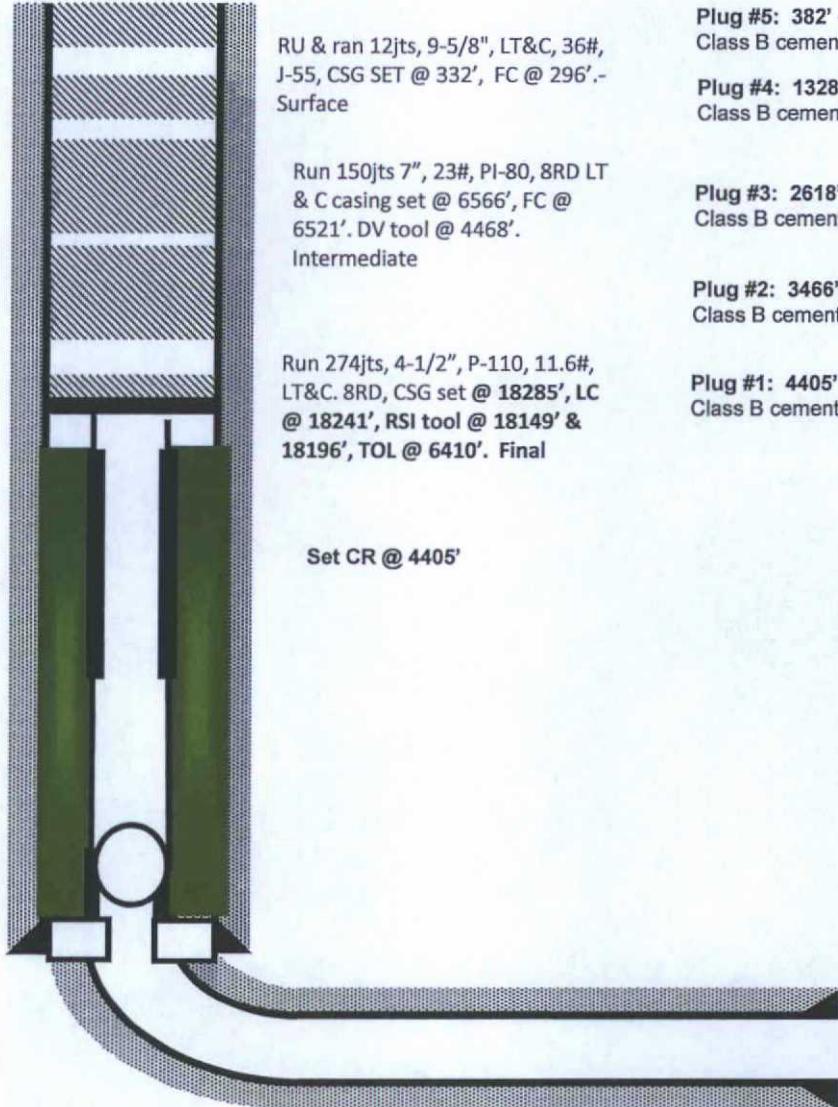
Fruitland @ 3146'

Pictured Cliffs @ 3416'

Chacra @ 4673'

Mesaverde @ 5488'

Mancos @ 6082'



RU & ran 12jts, 9-5/8", LT&C, 36#, J-55, CSG SET @ 332', FC @ 296'.- Surface

Run 150jts 7", 23#, PI-80, 8RD LT & C casing set @ 6566', FC @ 6521'. DV tool @ 4468'. Intermediate

Run 274jts, 4-1/2", P-110, 11.6#, LT&C. 8RD, CSG set @ 18285', LC @ 18241', RSI tool @ 18149' & 18196', TOL @ 6410'. Final

Set CR @ 4405'

Plug #5: 382' - 0'  
Class B cement, 75 sxs

Plug #4: 1328' - 1228'  
Class B cement, 29 sxs

Plug #3: 2618' - 2418'  
Class B cement, 47 sxs

Plug #2: 3466' - 3096'  
Class B cement, 79 sxs

Plug #1: 4405' - 4305'  
Class B cement, 29 sxs

# Rosa Unit 648H

## Current Wellbore Status

Basin Mancos

955' FNL, 436' FWL, Section 19, T-31-N, R-5-W, Rio Arriba County, NM

Lat: \_\_\_\_\_ N / Lat: \_\_\_\_\_ W, API #30-039-31320

Today's Date: 2/10/16

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Nacimiento @ 1278'

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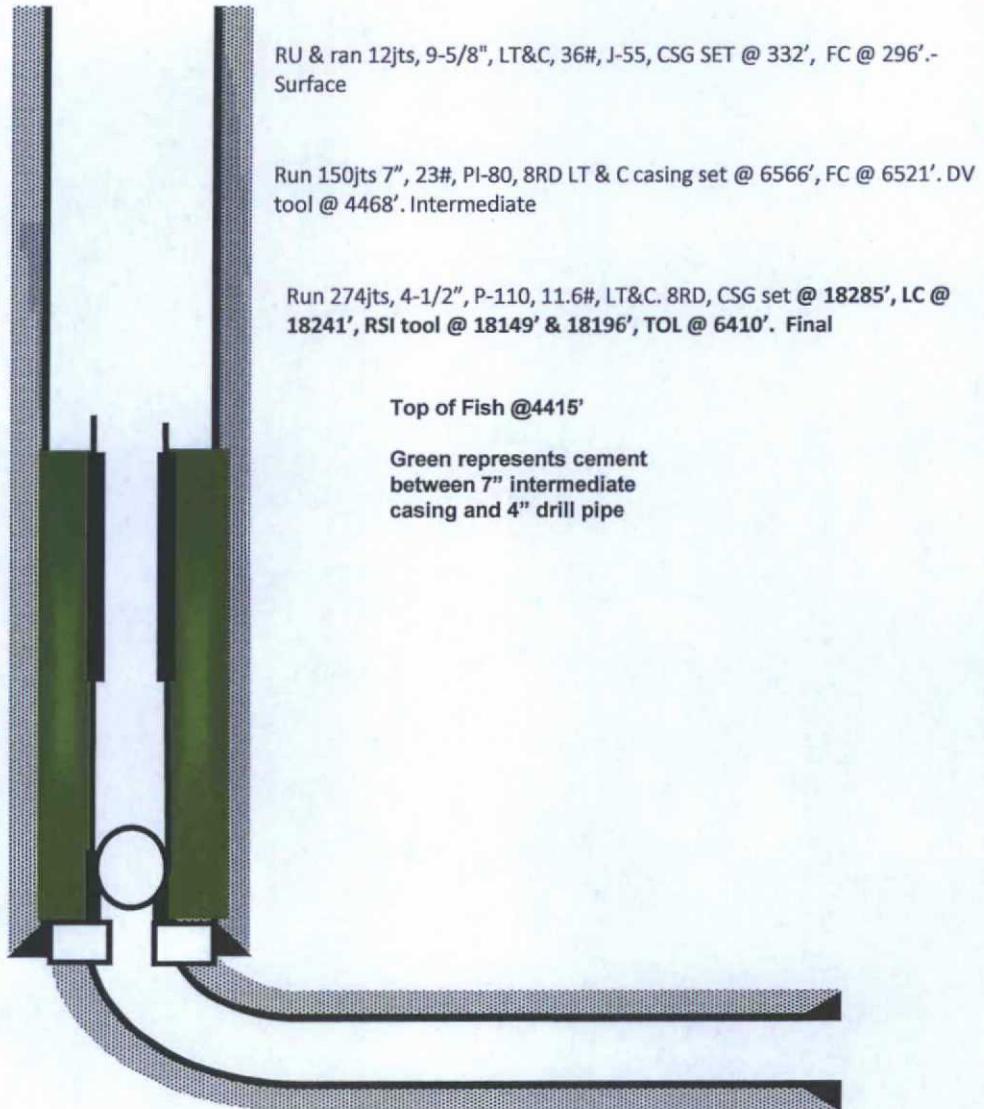
Fruitland @ 3146'

Pictured Cliffs @ 3416'

Chacra @ 4673'

Mesaverde @ 5488'

Mancos @ 6082'



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 648H

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 (4197-4097) ft. to cover the Chacra top. BLM picks top of Chacra at 4147 ft.
  - b) Bring the top of Plug #2 to 2871 ft. BLM picks top of Fruitland at 2921 ft. Adjust cement volume accordingly.
  - c) Bring the top of Plug #3 to 2342 ft. to cover the Kirtland and Ojo Alamo tops. BLM picks top of Kirtland at 2493 ft. BLM picks top of Ojo Alamo at 2392 ft. Adjust cement volume accordingly.
  - d) Set Plug #4 (1132-1032) ft. to cover the Nacimiento top. BLM picks top of Nacimiento at 1082 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.