

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Tony Delfin
Deputy Cabinet Secretary

David R. Catanach, 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: 6/29/16
Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-29365-00-00	ROSA UNIT	351A	WPX ENERGY PRODUCTION, LLC	G	A	Rio Arriba	F	D	11	31	N	5	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:

Ensure inside plugs are designed as 100' plugs plus 50' of excess similar to BLM condition 4.5 attached to this application. This condition will change the following plugs;

- Pump a cement plug underneath the cement retainer set at 3060'. The plug needs to be calculated to cover inside and outside the casing down to 3310 plus 100% excess to properly cover Fruitland top



NMOCD Approved by Signature

7/21/2016
Date

RECEIVED

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 - 078762
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) 505-333-1816	7. If Unit of CA/Agreement, Name and/or No. NMNM78407E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1310' FNL & 215' FWL SEC11, T31N, R5W		8. Well Name and No. Rosa Unit #351A
		9. API Well No. 30-039-29365
		10. Field and Pool or Exploratory Area Basin Fruitland Coal
		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 <u>P&A</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 recompleat 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 recompleat 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

WPX Energy plans to Plug and Abandon the above mentioned well per attached procedure and diagrams.

NOTE: This well shares a pad with the Rosa Unit No. 350 (API #30-039-24596) that is still producing. The final reclamation activities will take place when all wells on location are P&A'd.

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

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Lacey Granillo	Title Permit Tech III	OIL CONS. DIV DIST. 3
Signature	Date 6/29/16	JUL 18 2016
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title PE	Date 7/14/16
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

PC

PLUG AND ABANDONMENT PROCEDURE

June 7, 2016

Rosa Unit #351A

Basin Fruitland Coal

1310' FNL, 215' FWL, Section 11, T31N, R5W, Rio Arriba County, New Mexico

API 30-039-29365 / 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 2-3/8" , Length 4035'.
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 (Pictured Cliffs interval and Fruitland, Kirtland and Ojo Alamo top, 3069' – 2893')**: Round trip 7" mill or casing scraper to 3069', or as deep as possible. RIH and set 7" cement retainer at 3069'. Pressure test tubing to 1000#. Attempt to pressure test casing to 800#. If casing does not test then spot or tag subsequent plug as appropriate. Mix and pump 43 sxs Class B cement from 3069' to isolate the PC interval cover through the Kirtland and Ojo Alamo top.
5. **Plug #2 (Nacimiento top, 1750' – 1650')**: Mix 29 sxs Class B cement and spot a balanced plug to cover the Nacimiento top. PUH.
6. **Plug #3 (9.625" Surface casing shoe, 388' - 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 73 sxs cement and spot a balanced plug from 388' 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.
7. 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.

Surface Location:

1310' FNL and 215' FWL
NW/4 NW/4 Sec 11(D), T31N, R5W
Rio Arriba, NM

Bottom Hole Location:

1459' FNL and 1287' FWL
SW/4 NW/4 Sec 11(E), T31N, R5W
Rio Arriba, NM

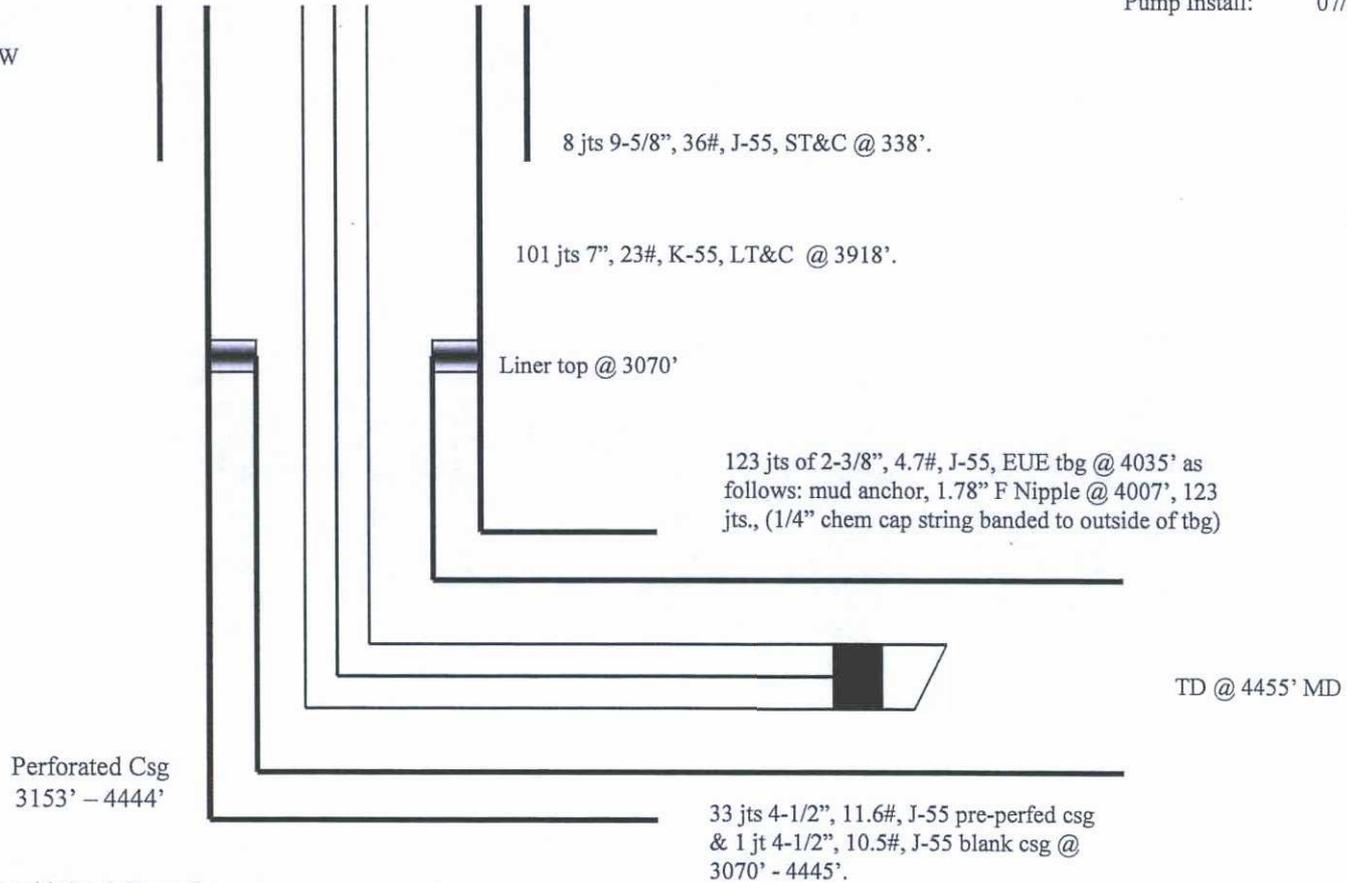
Elevation: 6825' GR
API # 30-039-29365

ROSA UNIT #351A
BASIN FRUITLAND COAL
Current

Spud: 10/08/05
Completed: 10/26/05
1st Delivered: 12/15/05
Pump Install: 07/07/07

Pumping Unit
Churchill CH 114-143-64 BB/GBP

Top	MD Depth
Ojo Alamo	2943'
Kirtland	3060'
Fruitland	3402'
Base of Coal	3622'
Pictured Cliffs	3624'



Rods: 4' guided sub, 40 - 3/4" API D guided rods 5 per, 5 - 1.25" sinker bars, 114-3/4" API D Rods, 8' pony rod, 1 1/4" x 22' Polish Rod, 1 1/2" x 10' Polished Rod Liner.

Pump: 2" x 1 1/4" x 8' x 8'3" x 12'3" RHAC-Z w/1" x 6' gas anchor (energy pump).

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sx	282 cu. ft.	Surface
8-3/4"	7", 23#	625 sx	1212 cu. ft.	Surface
6-1/4"	4-1/2", 11.6#	Did Not Cmt		

**ROSA UNIT #351A
BASIN FRUITLAND COAL
Proposed P&A**

Surface Location:

1310' FNL and 215' FWL
NW/4 NW/4 Sec 11(D), T31N, R5W
Rio Arriba, NM

Bottom Hole Location:

1459' FNL and 1287' FWL
SW/4 NW/4 Sec 11(E), T31N, R5W
Rio Arriba, NM

Elevation: 6825' GR
API # 30-039-29365

Spud: 10/08/05
Completed: 10/26/05
1st Delivered: 12/15/05
Pump Install: 07/07/07

Plug #3: 388' - 0'
Cement with 73 sxs

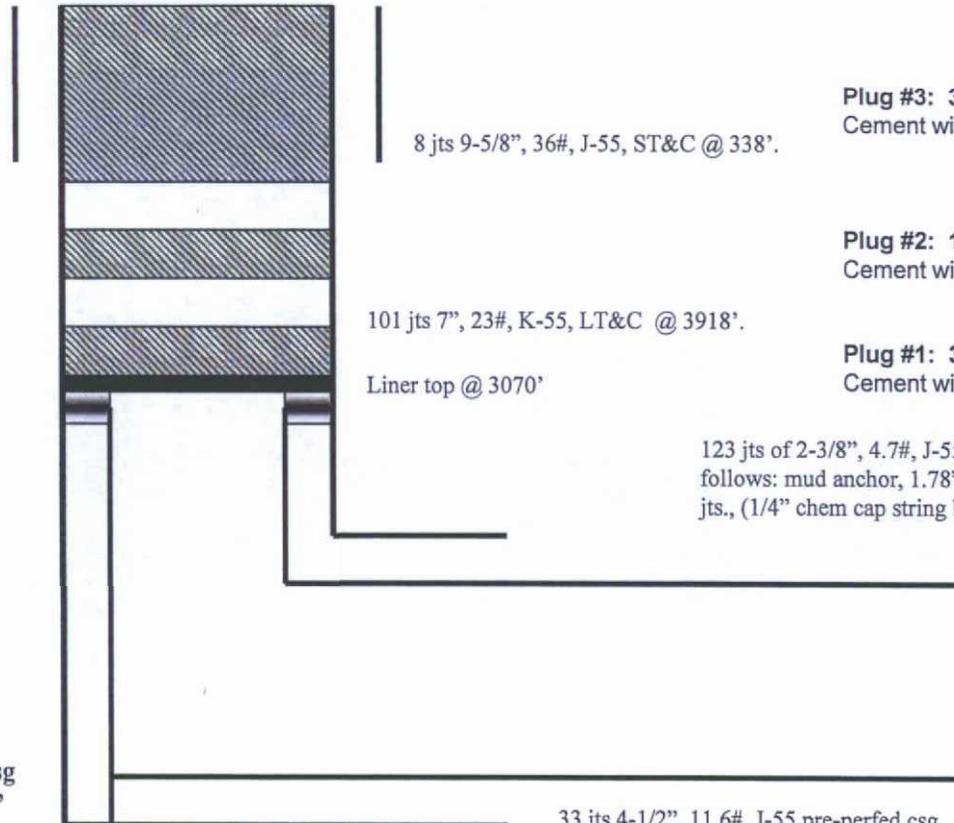
Plug #2: 1750' - 1650'
Cement with 29 sxs

Plug #1: 3069' - 2893'
Cement with 43 sxs

123 jts of 2-3/8", 4.7#, J-55, EUE tbg @ 4035' as follows: mud anchor, 1.78" F Nipple @ 4007', 123 jts., (1/4" chem cap string banded to outside of tbg)

TD @ 4455' MD

Pumping Unit
Churchill CH 114-143-64 BB/GBP



8 jts 9-5/8", 36#, J-55, ST&C @ 338'.

101 jts 7", 23#, K-55, LT&C @ 3918'.

Liner top @ 3070'

33 jts 4-1/2", 11.6#, J-55 pre-perfed csg & 1 jt 4-1/2", 10.5#, J-55 blank csg @ 3070' - 4445'.

**Perforated Csg
3153' - 4444'**

Top	MD	Depth
Nacimiento	1700'	
Ojo Alamo	2943'	
Kirtland	3060'	
Fruitland	3508'	
Pictured Cliffs	3623'	

Rods: 4' guided sub, 40 - 3/4" API D guided rods 5 per, 5 - 1.25" sinker bars, 114-3/4" API D Rods, 8' pony rod, 1 1/2" x 22' Polish Rod, 1 1/2" x 10' Polished Rod Liner.

Pump: 2" x 1 1/4" x 8' x 8'3" x 12'3" RHAC-Z w/1" x 6' gas anchor (energy pump).

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sx	282 cu. ft.	Surface
8-3/4"	7", 23#	625 sx	1212 cu. ft.	Surface
6-1/4"	4-1/2", 11.6#	Did Not Cmt		

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 #351A

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 plug #2 (1659-1559) ft. to cover the Nacimiento top. BLM picks top of Nacimiento at 1609 ft.

Operator must run CBL from CR to surface to identify TOC. Submit the electronic copy of the log for verification to the following addresses: jwsavage@blm.gov Brandon.Powell@state.nm.us

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.