

State of New Mexico  
Energy, Minerals and Natural Resources Department

Susana Martinez  
Governor

David Martin  
Cabinet Secretary

Brett F. Woods, Ph.D.  
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:  
Well information:

| API WELL #         | Well Name | Well # | Operator Name              | Type | Stat | County     | Surf_Owner | UL | Sec | Twp | N/S | Rng | W/E | Feet | NS | Ft  | EW |
|--------------------|-----------|--------|----------------------------|------|------|------------|------------|----|-----|-----|-----|-----|-----|------|----|-----|----|
| 30-039-31315-00-00 | ROSA UNIT | 642H   | WPX ENERGY PRODUCTION, LLC | G    | N    | Rio Arriba | F          | C  | 19  | 31  | N   | 5   | W   | 975  | N  | 524 | W  |

Application Type:

- ☐ P&A    ☐ Drilling/Casing Change    ☐ Location Change  
☐ Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)  
☒ Other: Intermediate Squeeze

Conditions of Approval:

Bradenhead test required within 30 days of approval date with a witness from this office

NMOCD Approved by Signature

3/21/16  
Date



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Farmington Field Office  
Bureau of Land Management

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.**

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

OIL CONS. DIV DIST. 3

2. Name of Operator

WPX Energy Production, LLC

3a. Address

PO Box 640 Aztec, NM 87410

3b. Phone No. (include area code)

505-333-1808

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SHL: 975' FNL & 524' FWL SEC 19 T31N R5W

BHL: 1309' FNL & 1' FEL SEC 23 T31N R6W

5. Lease Serial No.

NMSF 078771

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

NMNM 78407E

8. Well Name and No.

Rosa Unit #642H

9. API Well No.

30-039-31315

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 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"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <b>Intermediate Squeeze</b>               |
| <input type="checkbox"/> Final Abandonment Notice     | <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 recompleate 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 recompleation 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.

**02/15/16 - 2/16/16** MIRU. -WO muddy conditions.

**2/17/16** MIRU, NU Frac valve & NU BOP. RU floor and handling tools. Spot tubing trailer, tally & drift 2 7/8" I-80 tubing in hole w/ 7" scraper to 5905'. TIH, w/ 7" RBP to 5850' & set RBP. Pull 5 stands. SDFN

**2/18/16** Dump 5sx of sand down tubing to cover top of RBP. PSI test to 2000psi for 15min-Good test. TOOH, w/ setting tool. MIRU, Basin W/L to perf sqz holes @ 4200'. Attempt to pump into sqz holes, pumped 20bbls of FW @ 1bpm @ 1100psi. no blow out Bradenhead. Perf second set of sqz holes @ 3400'. POH w/ W/L & rig down. PU & set Weatherford 7" cmt retainer @ 4165'. RU Halliburton cmt crew. PSI tested pump & lines @ 3200psi- Good test. Pumped 26bbls, 125sx of Class G, 1% CC, Hal 567, fluid loss, CRF 30.2% and displaced w/ 22bbls FW. Sting out of retainer w/ 300psi on tubing, pulled tubing to 3363' & reversed 2 tubing volumes, continue TOOH w/ setting tool. SDFN.

**2/19/16** RU Basin W/L & run gauge ring to 4046'. POH, & run CBL to 4046'. TOC @ 3946'. Perf sqz holes @ 3900'. TIH, set CMR @ 3850'. Attempt to break circulation out of sqz holes @ 3900'. Good circulation @ 2bpm, 100bbls pumped of FW. RU Halliburton cmt. RU & PSI tested lines to 4200psi, pumped 31.2bbls, 150sx of Class G, 15.8#, 1.17yld, 1% CC, Hal 567, fluid loss, CFR 30.2% & displaced w/ 22bbls FW. Lost rtms 10.5bbls into displacement. Sting out of retainer w/ 800psi on tubing. TOOH. SDFN.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

Marie E. Jaramillo

Title Permit Tech

Signature

Date 3/7/16

ACCEPTED FOR RECORD

MAR 08 2016

FARMINGTON FIELD OFFICE  
BY: [Signature]

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.



## Rosa Unit 642H: Page 2

**2/20/16**- RU Basin W/L & run gauge ring to 3724'. POH, run CBL to 3274'. TOC @ 3070'. Perf bottom sqz holes @ 2550' & top holes @ 2300'. RIH, w/ CIBP to 3300' & POH, PSI tested to 200psi for 15min- Good test. TIH, w/ CMR set @ 2140'. Collar @ 2150'. Attempt to break circulation out of sqz holes @ 2550' & top holes @ 3000'. Pumped 100bbls of FW @ 1200psi w/ no rtns. RU Halliburton cmt. PSI tested lines to 4200psi. Pumped 19.2bbls, 92sx of Class G 15.8#, 1.17yld, 1% CC, Hal 567, fluid loss CFR 30.2% & displaced w/ 12bbls of FW, no rtns during job. Sting out of retainer w/ 1000psi on tubing. TOOH.SDFN.

**2/21/16**- RIH w/ CBL to 2366'. TOC @ 2180'. Cement top above 2340' to satisfy BLM, POOH, w/ W/L & rig down. PU 6 1/4" bit, bit sub & 4 frill collars, TIH & tagged cmt, lay down 50jts for drilling. Run pipe out of derrick. PU & run power swivel & begin DO cmt & CIBP. Drill on 7" CIBP @ 2450'. SDFN.

**2/22/16**-Drilling on 7" Weatherford cmt retainer & cmt from 2336' - 2550'. SDFN

**2/23/16**-TIH to CIBP @ 3300'. PU & run power swivel & begin to drill CIBP @ 3300'. TIH, to 3775' tagged cmt & begin drilling on CIBP cone on TOC, fought cone spinning on cmt. Drilling cmt. SDFN.

**2/24/16**-Drilling cmt from 3775' to 3825' fought cone spinning on cmt. Drilling cmt. SDFN.

**2/25/16**-Drilling cmt from 4110' to 4200', fought cone spinning on cmt. Drilling cmt. SDFN.

**2/26/16**-Logging w/ CBL from top of RBP @ 5850' to surface. TOC @ 2190'. TIH, w/ retrieving head to retrieve RBP, PU power swivel & wash sand off of RBP & release plug. TOH, with RBP. SDFN.

**2/27/16**-Finish, TOH w/ RBP. PU polish mill & TIH to PBR. PU power swivel & TOOH laying down 2 7/8" work string. SDFN.

**2/28/16**-PU 4 1/2", P-110, LT&C casing w/ PBR & 4 1/2" DV tool, 136jts 9.8' sub, 1.72' sub, hanger 1.97' & 25' KB, 30 set down & 20K up. RU antelope & test to 1500psi for 30min - Good test. RU Halliburton to cmt tieback string. PSI tested line to 5400psi-Good test. Pumped 10bbls spacer, 280sx 10.67gal/sx=99.7bbls @ 12.3, 135sx 1.17cuft, 5.14gal/sx, 28.1bbls, 15.8#, 97.5bbls displacement, no cmt rtns when plug landed & closed tool. RD Halliburton & change over equip to run PH6 to DO DV tool. SDFN.

**2/29/16**-PU PH6 to 5800'. WOC. SDFN

**3/1/16**-PU PH6 & tagged 30' on top of DV tool. PU power swivel & DO CMT & DV tool. Pressure tested casing to 1500psi for 15min - Good test. Circ., & CO. SDFN.

**3/2/16**-Ran CBL on 4 1/2" tieback. TOC @ 1600'.

**3/3/16**-Notified & received verbal approval from Brandon Powell (NMOCD) & Abdelgadir Elmadani (BLM) to proceed with completions.