Submit 3 Copies To Appropriate District Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
30-039-25389

5. Indicate Type of Lease
STATE x FEE ☐

6. State Oil & Gas Lease No.
E-289-50

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS )

7. Lease Name or Unit Agreement Name
Rosa Unit

1. Type of Well: Oil Well ☐ Gas Well x Other

8. Well Number 32

2. Name of Operator
WPX Energy Production, LLC

9. OGRID Number
120782

3. Address of Operator
P.O. Box 640, Aztec, NM 87410 (505) 333-1808

10. Pool name or Wildcat
Rosa Pictured Cliffs / Blanco Mesaverde/

4. Well Location
SURF. 1481' FNL & 1035' FEL
Section 21H Township 31N Range 06W NMPM County RIO ARRIBA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
6316' GR

**Pit or Below-grade Tank Application ☐ or Closure ☐**

**Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water**

**Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☐ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | P AND A | ☐ |
| PULL OR ALTER CASING | ☐ | MULTIPLE COMPL | ☐ | CASING/CEMENT JOB | ☐ | | |
| OTHER: Squeeze PC | | | | OTHER: | | | ☐ |

WPX previously requested and was approved to commingle the MV and PC formations of this well. At this time WPX would like to not commingle the well but instead remove the packer, squeeze the PC formation, test casing integrity, and return well to production as a MV only well as per attached procedure. No work will take place until approval on this has been received.

**Notify NMOCD 24 hrs prior to beginning operations**

RCVD SEP 18 '12
OIL CONS. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE B Mitchell TITLE Regulatory Specialist DATE 9/17/2012

Type or print name Ben Mitchell E-mail address: ben.mitchell@wpxenergy.com Telephone No. 505-333-1806

**For State Use Only**

APPROVED BY: Brandon Powell TITLE Deputy Oil & Gas Inspector, District #3 DATE 9/25/12

Conditions of Approval (if any):

AV

WPXENERGY

# PACKER REMOVAL & PICTURED CLIFFS SQUEEZE

## ROSA UNIT #032 MV/PC DUAL

## API NO. 30-039-25389

## T31N, R6W, SECT. 21(H)

## ELEVATION: 6316' GR

**WELLBORE STATUS:**

PC: 98 JTS. 1-1/2", J-55, 2.9# TBG LANDED @ 3273'

MV: 175 JTS 1-1/2", J-55, 2.9# TBG LANDED @ 5865' 4-1/2" MODEL "D" PACKER @ 3920'

PRODUCTION LINER: 61 JTS, 4-1/2", 10.5#, K-55, ST&C SET @ 6012' KB TOL @ 3518'

**OBJECTIVE: Remove packer and squeeze PC and produce as MV, test casing integrity.**

1. Pull and inspect Pictured Cliffs tubing with Tuboscope.
2. Pull and inspect Mesa Verde tubing, release Model "D" packer @ 3920'.
3. RIH with 2-3/8"work string, Set 7" 3-L bridge plug 3383', dump 10' sand on top of plug.
4. TIH w/ 2-3/8" work string and set 7" CR. Set CR @ 3102'
5. Sting into CR and Establish Injection rate with water at 1 barrel per minute to determine if PC will squeeze. Record squeeze pressure. Target squeeze pressure @ 1000 psi.
6. If injection rate can be established, squeeze PC perfs w/ 200 sx of Class A cement.
7. Sting out of CR and reverse circulate with water to clean up tubing and WOC.
8. Retrieve or drill out CR @ 3102'
9. Drill out cement to 10' above plug.
10. Clean out to top of plug.
11. Retrieve 7" bridge plug @ 3383'
12. RIH with 4-1/2" bridge plug and set @ 5250'
13. TOOH and stand back 2-3/8" work string. Load well bore with water.
14. Schedule Antelope to pressure test casing to 600 psi for 30 min. Record on Barton chart. **Provide NMOCD with 24 hours notice prior to pressure test.**
15. RIH with work-string and retrieve 4-1/2" bridge plug @ 5250'. Clean out to PBTD.
16. Complete with single string 2-3/8" production tubing, landed @ ~5865'.
17. Install plunger lift system.
18. Remove one set of wellhead facilities.
19. Return to production as MV well.

**PRIOR TO PRIMARY JOB**

1) Test rig anchors.
2) Verify location is OK for rig operations.

3) Ensure JSA, ECP's and lockout procedures are in place for the flowline and other energized piping or equipment.
4) Acquire ~6100' of 2-3/8", 8rd, EUE, 4.7 #/ft tubing. **Use as much of the tubing that is already in the well bore if possible**
5) Acquire 4-1/2" retrievable bridge plug, and 7" retrievable bridge plug.
6) Acquire 200 sx of Class 'A' cement
7) 6-1/4" tri-cone bit.
8) Acquire wellhead and convert from dual tubing string to a single, 2-3/8" tubing string.
9) Acquire Seat Nipple.
10) **KCl** on location to treat kill water as needed.

**SAFETY NOTICE**

PERSONNEL SAFETY IS THE NUMBER ONE JOB.
NO EXCEPTIONS!!!
**PLEASE FOLLOW APPROPRIATE WPX ENERGY CONTRACTOR PROTOCOLS FOR THIS JOB PLAN**
Please see your WPX EnergyBusiness Representative if you have any questions, Contrator protocols can be located in the WPX Energy Contractor Guide

## PRIMARY JOB

**Note:** Safety meetings shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent (i.e. beginning/ending fishing operations, squeeze jobs, rigging down, perforating, etc.) Please ensure these are documented per section 2.2.7 of the WPX Energy Contractor Guide

**Note:** Only use pipe dope on the pins. Do not dope the couplings.

**Note:** This well should be dead and the BOP's shall be closed and locked at the end of daily operations.

1. MI and spot equipment to include fluid pumps and tanks.
2. MIRU.
3. ND/NU killing well with KCL water as necessary.
4. Test the BOP's to 2500 psig minimum. If they fail, then rebuild and retest. If they cannot pass tests DO NOT PROCEED and notify Production Engineer.
5. POOH w/ PC tubing and inspect with tuboscope.
6. Pick up on long string (MV) to determine if the long string will pull.
7. POOH with long string one or two joints to confirm ability to move.

7.1. Clean out and wash to top of Model "D" packer at 3920' using heavy air mist. Wash as necessary until returns clean up to approximately ¼ cup of sand in 5 gallons of water returns.

8. Spear or screw in and POOH with 2-3/8' 4.7 #/ft long string (MV) using straight pull to pull out of Model D packer seal assembly.
9. POOH and stand back 2-3/8" 4.7# tubing and seal assembly. Inspect with Tuboscope.
10. RIH w/ 2-3/8" work string and set 7" retrievable bridge plug @ 3383' Dump 10' sand on top of bridge plug.
11. TOOH with work string, pick up 7" CR and RIH and set CR @ 3102'
12. Sting into CR. Establish Injection rate with produced water at 1 barrel per minute to determine if PC will squeeze. Record squeeze pressure. Target squeeze pressure @ 1000 psi.
13. If injection rate can be established, squeeze PC perfs w/ 200 sx of Class B cement.
14. Sting out of CR, reverse circulate water to clean up tubing. WOC.
15. Retrieve or drill out CR @ 3102'.
16. Drill out cement to top of sand on RTBP @ 3373'.
17. Clean out sand on top RTBP and retrieve bridge plug @ 3383'. Stand back 2-3/8" tbg.
18. RIH with 4-1/2" RTBP and set @ 3250'. Load wellbore with water.
19. Schedule Antelope to pressure test casing to 600 psi for 30 min. Record on Barton chart. **Provide NMOCD with 24 hours notice prior to pressure test.**
20. Land 2-3/8" production tubing @ 5865' **As Follows:** mule shoe, 1 jt 2-3/8", seat nipple, 2-3/8" tbg to surface. Test tubing to 500 psi. Report leaks and replace as necessary.
21. Install plunger lift system.
22. Ensure tubing is not plugged prior to releasing the rig.
23. N/D BOP's and N/U wellhead.
24. Remove one set of surface facilities.
25. Return well to production.
26. R/D, move off location.