

Submit 3 Copies  
To Appropriate  
District Office  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
811 South First, Artesia NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-103  
Revised 1-1-89

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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)		WELL API NO.  30-039-29833
		5. Indicate Type of Lease STATE <input type="checkbox"/> FED <input checked="" type="checkbox"/>
		6. State Oil & Gas Lease No.
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	2. Name of Operator  WILLIAMS PRODUCTION COMPANY	7. Lease Name or Unit Agreement Name:  Rosa Unit
3. Address of Operator  P.O. Box 640, Aztec, NM 87410	4. Well Location (Surface) Unit letter <u>L</u> : 1980 feet from the <u>SOUTH</u> line & 800 feet from the <u>WEST</u> line Sec 28-31N-5W Rio Arriba, NM	8. Well No.  Rosa Unit #146B
10. Elevation (Show whether DF, RKB, RT, GR, etc. 6451' GR		9. Pool name or Wildcat  BLANCO MV/BASIN MANCOS/BASIN DK

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.

PLUG AND  
ABANDONMENT

PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

X OTHER: COMMINGLING AUTHORIZATION

OTHER: \_\_\_\_\_

- 1) Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). Data below to satisfy NM OCD Rule 303.C.3 (b) (i)-(vii)
- i. Pre-approved Pool Division Order R-13122.
  - ii. Pools to be commingled: Blanco MV 72319, Basin Mancos 97232, Basin Dakota 71599.
  - iii. Perforated intervals: Blanco MV 5278'-6008', Basin Mancos 6920'-7385', Basin Dakota 7983'-8072'.
  - iv. Fixed percentage allocation based upon production data of 39% Blanco MV, 37% Basin Mancos, and 24% Basin Dakota. This is based on the historic production of all wells that have MV/MC/DK production. See attached recommendation for details. This allocation may be adjusted at a later date based on a spinner survey after production has stabilized.
  - v. Commingling will not reduce the value of reserves.
  - vi. All interest owners in the spacing unit have not been notified of the intent to downhole commingle per order R-12991.
  - vii. The BLM has been notified on sundry notice form 3160-5
- RCVD JUL 22 '10  
OIL CONS. DIV.  
DIST. 3
- DAC 3461 AZ*

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Larry Higgins TITLE: Permit Supervisor DATE: 7/20/10

Type or print name Larry Higgins Telephone No: (505) 634-4208

(This space for State use)

APPROVED

BY

TITLE

Deputy Oil & Gas Inspector,  
District #3

DATE

JUL 27 2010

Conditions of approval, if any.

*AC*



Exploration & Production

## **Production Allocation Recommendation Rosa Unit #146B (DK/MC/MV)**

**WELLNAME:** Rosa Unit #146B  
**LOCATION:** Sec. 28, T31N,R05W  
**API No.:** 30-039-29833

**FIELD:** Rosa Blanco  
**COUNTY:** Rio Arriba, NM  
**Date:** 7-20-10

**Current Status:** Williams drilled and completed the Rosa #146B in the Dakota and Mesa Verde formations as a dual completion in 2008. We have now moved back on this well to complete the Basin Mancos. Upon completion of the Mancos, Williams recommends tri-mingling the well.

### **Commingle Procedure:**

1. Acidize & fracture stimulate the Basin Mancos formation
2. Flow back and clean up the formation prior to completion.
3. TIH w/ work string and remove CIBP and packer
4. Clean out to PBTD
5. Complete with single string 2-3/8" tubing, landed in DK perms
6. NDBOP. NUWH.
7. Turn well over to production as a tri-mingle

**Allocation Method:** Williams has assembled historic production data used to forecast Mancos production. Williams used this production data to come up with an initial allocation for this tri-mingle. Williams recommends that a spinner survey be performed after production has stabilized, so that allocation percentages can be corrected if need be.

After 18 months of production:

Total Production from well = 364,108 Mcf  
Total Production from DK = 86,405 Mcf  
Total Production from MC = 136,202 Mcf  
Total Production from MV = 141,500 Mcf

DK allocation = DK prod / Total prod = 86,405 Mcf / 364,108 Mcf = **24%**

MC allocation = MC prod / Total prod = 136,202 Mcf / 364,108 Mcf = **37%**

MV allocation = MV prod / Total prod = 141,500 Mcf / 364,108 Mcf = **39%**