

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.  30-039-29783
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FED <input checked="" type="checkbox"/>
2. Name of Operator  WILLIAMS PRODUCTION COMPANY		6. State Oil & Gas Lease No.
3. Address of Operator  P.O. Box 640, Aztec, NM 87410		7. Lease Name or Unit Agreement Name:  Rosa Unit
4. Well Location (Surface) Unit letter <u>F</u> : 2320 feet from the <u>NORTH</u> line & 2600 feet from the <u>WEST</u> line Sec 11 -31N-4W RIO ARRIBA, NM		8. Well No.  Rosa Unit 600
10. Elevation (Show whether DF, RKB, RT, GR, etc. 7018' GR		9. Pool name or Wildcat  BASIN MC//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)
- Pre-approved Pool Division Order R-13122.
  - Pools to be commingled: Basin MC 97232, Basin Dakota 71599.
  - Perforated intervals: Basin MC 7445'-8495', Basin Dakota 8545'-8922'.
  - Fixed percentage allocation based upon production data of 61% Basin MC and 39% Basin Dakota. This is based on the historic production of all wells that have 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
  - Commingling will not reduce the value of reserves.
  - Interest owners in the spacing unit have not been notified of the intent to downhole commingle per order R-12991.
  - The BLM has been notified on sundry notice form 3160-5.

RCVD AUG 31 '11

OIL CONS. DIV.

DIST. 3

DHC 3654 AZ

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

SIGNATURE Ben Mitchell TITLE: Regulatory Specialist DATE: 8/31/11

Type or print name Ben Mitchell

Telephone No: (505) 333-1806

(This space for State use)

APPROVED

BY

TITLE

Deputy Oil & Gas Inspector,  
District #3

DATE 8-31-2011

Conditions of approval, if any:

A



Exploration & Production

## **Production Allocation Recommendation Rosa Unit #600 (DK/MC)**

**WELLNAME:** Rosa Unit #600

**LOCATION:** Sec.11, T31N,R04W

**API No.:** 30-039-29783

**FIELD:**

Rosa Unit

**COUNTY:**

Rio Arriba, NM

**Date:**

08/31/2011

**Current Status:** Williams is currently completing the Rosa Unit #600 in the Dakota and Mancos formations. Williams recommends commingling the well after the proposed completion work has been completed.

### **Commingle Procedure:**

1. Acidize & fracture stimulate the DK and MC formations
2. Flow back and clean up each formation prior to completion.
3. TIH w/ work string and remove CIBP
4. Clean out to PBTD
5. Complete with single-string 2-3/8" tubing, land below DK perfs
6. NDBOP. NUWH.
7. Turn well over to production as a commingle

**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 commingle. 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 = 222,608 Mcf

Total Production from DK = 86,405 Mcf

Total Production from MC = 136,202 Mcf

DK allocation =  $\text{DK prod} / \text{Total prod} = 86,405 \text{ Mcf} / 364,108 \text{ Mcf} = \mathbf{39\%}$

MC allocation =  $\text{MC prod} / \text{Total prod} = 136,202 \text{ Mcf} / 364,108 \text{ Mcf} = \mathbf{61\%}$