

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

**OIL CONSERVATION DIVISION**

2040 South Pacheco  
Santa Fe, NM 87505

DISTRICT II  
811 South First, Artesia NM 88210

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

WELL API NO.

30-039-30754

5. Indicate Type of Lease  
STATE ☐ FED ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement  
Name:

Rosa Unit

8. Well No.

Rosa Unit #020D

9. Pool name or Wildcat

BLANCO MV/BASIN  
MANCOS/BASIN DK

**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

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

2. Name of Operator

WILLIAMS PRODUCTION COMPANY

3. Address of Operator

P.O. Box 640, Aztec, NM 87410

4. Well Location (Surface)

Unit letter G : 1485 feet from the NORTH line & 1525 feet from the EAST line Sec 14-31N-6W RIO ARRIBA, NM

10. Elevation (Show whether DF, RKB, RT, GR, etc.  
6368' GR

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

**NOTICE OF INTENTION TO:**

PERFORM REMEDIAL  
WORK

PLUG AND ABANDON

TEMPORARILY ABANDON

CHANGE PLANS

PULL OR ALTER CASING

X OTHER: COMMINGLING AUTHORIZATION

**SUBSEQUENT REPORT OF:**

REMEDIAL WORK

ALTERING CASING

COMMENCE DRILLING OPNS.

PLUG AND  
ABANDONMENT

CASING TEST AND CEMENT JOB

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: Blanco MV 72319, Basin Mancos 97232, Basin Dakota 71599.
- Perforated intervals: Blanco MV 5608'-6214', Basin Mancos 7040'-7615', Basin Dakota 8120'-8334'.
- 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.
- Commingling will not reduce the value of reserves.
- All 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 SEP 24 '09  
OIL CONS. DIV.  
DIST. 3

*DNC 3243 AZ*

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

SIGNATURE Larry Higgins TITLE: Drlg COM DATE: 9-23-09

Type or print name Larry Higgins

Telephone No: (505) 634-4208

(This space for State use)

APPROVED

BY [Signature] TITLE: Deputy Oil & Gas Inspector,  
District #3

DATE

SEP 29 2009

Conditions of approval, if any:



Exploration & Production

## **Production Allocation Recommendation Rosa #20D (DK/MC/MV)**

**WELLNAME:** Rosa Unit #20D  
**LOCATION:** Sec.14, T31N,R06W  
**API No.:** 03-039-30754

**FIELD:** Rosa Blanco  
**COUNTY:** Rio Arriba, NM  
**Date:** 09/23/2009

**Current Status:** Williams is currently completing the Rosa #020D in the Dakota, Mancos, and Mesa Verde formations. Williams recommends tri-mingling the well after the proposed completion work has been completed.

### **Commingle Procedure:**

1. Acidize & fracture stimulate the DK, MC, and MV 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, landed in DK perfs
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 =  $\text{DK prod} / \text{Total prod} = 86,405 \text{ Mcf} / 364,108 \text{ Mcf} = \mathbf{24\%}$

MC allocation =  $\text{MC prod} / \text{Total prod} = 136,202 \text{ Mcf} / 364,108 \text{ Mcf} = \mathbf{37\%}$

MV allocation =  $\text{MV prod} / \text{Total prod} = 141,500 \text{ Mcf} / 364,108 \text{ Mcf} = \mathbf{39\%}$