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

WELL API NO.
30-039-30689

5. Indicate Type of Lease STATE ☐ FED ■

6. State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name:
Rosa Unit

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

8. Well No.
Rosa Unit #160D

3. Address of Operator
P.O. Box 640, Aztec, NM 87410

9. Pool name or Wildcat
BLANCO MV/BASIN MANCOS/BASIN DK

4. Well Location (Surface)
Unit letter N : 1140 feet from the SOUTH line & 1400 feet from the WEST line Sec 25-31N-6W Rio Arriba, NM

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6392' GR

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 5520'-6032', Basin Mancos 7012'-7388', Basin Dakota 7996'-8096'.
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.

DHC 3254 AZ RCVD SEP 30 '09

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

OIL CONS. DIV.
DIST. 3

SIGNATURE Larry Higgins TITLE: Drlg COM DATE: 9-29-09

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 OCT 05 2009

Conditions of approval, if any:

BP 10/2

Exploration & Production

Production Allocation Recommendation
Rosa # 160D (DK/MC/MV)

WELLNAME:	Rosa #160D	**FIELD:**	Rosa Blanco
LOCATION:	Sec.25, T31N,R06W	**COUNTY:**	Rio Arriba, NM
API No.:	30-039-30689	**Date:**	9-29-09

Current Status: Williams is currently completing the Rosa #160D 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 = 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%**