

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. 30-039-30220
5. Indicate Type of Lease STATE <input type="checkbox"/> FED <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Rosa Unit
8. Well No. Rosa Unit #85C
9. Pool name or Wildcat BLANCO MV/BASIN MANCOS/BASIN DK

<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)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> 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 <u>A</u> : <u>685</u> feet from the <u>NORTH</u> line & <u>835</u> feet from the <u>EAST</u> line Sec 20-31N-5W RIO ARRIBA, NM	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6429' 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.

CASING TEST AND CEMENT JOB

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

PLUG AND  
ABANDONMENT  
RCVD AUG 11 '09  
OIL CONS. DIV.  
DIST. 3

- 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 6104'-6124', Basin Mancos 7135'-7895', Basin Dakota 8494'-8636'.
  - 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 3210 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: 8-10-09

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

(This space for State use)

APPROVED

BY [Signature] TITLE: City Oil & Gas Inspector, DATE AUG 11 2009  
District #3

Conditions of approval, if any:



Exploration & Production

## Production Allocation Recommendation Rosa # 85C (DK/MC/MV)

WELLNAME: Rosa #85C  
LOCATION: Sec.20, T31N,R05W  
API No.: 03-039-30220

FIELD: Rosa Blanco  
COUNTY: Rio Arriba, NM  
Date: 8-10-09

**Current Status:** Williams is currently completing the Rosa #85C 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 below 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 =  $\text{DK prod} / \text{Total prod} = 86,405 \text{ Mcf} / 364,108 \text{ Mcf} = 24\%$

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

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