

Submit 1 Copy To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
October 13, 2009

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-039-30143</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FED <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. <b>Federal - NMSF-078773</b>
7. Lease Name or Unit Agreement Name <b>Rosa Unit</b>
8. Well Number Rosa Unit #184C
9. OGRID Number <b>120782</b>
10. Pool name or Wildcat <b>Blanco MV/Basin MC/Basin DK</b>

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

**PO Box 640, Aztec, NM 87410**

**Phone: 505-634-4208**

4. Well Location

Unit Letter **B** **845** feet from the **NORTH** line and **2525** feet from the **EAST** line

Section **34** Township **31N** Range **5W** NMPM County **Rio Arriba**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

12. 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 ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- Pre-approved Pool Division Order R-13122.
- Pools to be commingled: Blanco MV 72319, Basin Mancos 97232, Basin Dakota 71599.
- Perforated intervals: Blanco MV 5618'-6334', Basin Mancos 7215'-7685', Basin Dakota 8298'-8392'.
- 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 OCT 4 '10

OIL CONS. DIV.

DIST. 3

Spud Date:

Rig Release Date:

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

SIGNATURE Larry Higgins TITLE Permit Supv DATE 10-1-10

Type or print name Larry Higgins E-mail address: larry.higgins@williams.com PHONE: 505-634-4208

**For State Use Only**

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, DATE OCT 14 2010

Conditions of Approval (if any):

[Signature]



Exploration & Production

## **Production Allocation Recommendation Rosa # 184C (DK/MC/MV)**

**WELLNAME:** Rosa #184C  
**LOCATION:** Sec. 34, T31N, 5W  
**API No.:** 30-039-30143

**FIELD:** Rosa Blanco  
**COUNTY:** Rio Arriba, NM  
**Date:** 10/01/10

**Current Status:** Williams is currently completing the Rosa #184C in the MANCOS formation. Williams intends commingling this well after the proposed completion work has been completed.

### **Commingling Procedure:**

1. Acidize & fracture stimulate the mancos formation
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 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%**