

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No 1004-0135  
Expires March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

RECEIVED

MAY 06 2010

SUBMIT IN TRIPLICATE

Bureau of Land Management  
Farmington Field Office

|    |   |     |  |
|----|---|-----|--|
| 1. | Type of Well<br>Oil Well Gas Well <input checked="" type="checkbox"/> Other   | 5   | Lease Designation and Serial No<br>NMSF-078771                     |
| 2. | Name of Operator<br>WILLIAMS PRODUCTION COMPANY   | 6   | If Indian, Allottee or Tribe Name                                  |
| 3. | Address and Telephone No.<br>PO Box 640 Aztec, NM 87410-0640  | 7   | If Unit or CA, Agreement Designation<br>Rosa Unit                  |
| 4. | Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>1845' FSL & 1735' FEL Sec 26, T31N, R6W NMPM | 8   | Well Name and No.<br>Rosa Unit #5C                                 |
|    |   | 9   | API Well No<br>30-039-30178  |
|    |   | 10. | Field and Pool, or Exploratory Area<br>Blanco MV/Basin MC/Basin DK |
|    |   | 11. | County or Parish, State<br>Rio Arriba, New Mexico                  |

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION                                   | TYPE OF ACTION  |
|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | Abandonment   |
| <input type="checkbox"/> Subsequent Report           | Recompletion  |
| <input type="checkbox"/> Final Abandonment           | Plugging Back   |
|  | Casing Repair   |
|  | Altering Casing   |
|  | <input checked="" type="checkbox"/> Other <u>Mesaverde completion</u> <i>Commingle</i>                |
|  | Change of Plans   |
|  | New Construction  |
|  | Non-Routine Fracturing  |
|  | Water Shut-Off  |
|  | Conversion to Injection   |
|  | Dispose Water   |
|  | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form ) |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Williams Production plans to commingle the Blanco Mesa Verde, Basin Mancos and Basin Dakota on this well as per attached procedure. Commingle authorization has been filed with the NMOCD. (copy attached)

RCVD MAY 7 '10

OIL CONS. DIV.

DIST. 3

DHC 3413AZ

|  |   |       |                   |
|--|---|-------|-------------------|
| 14   | I hereby certify that the foregoing is true and correct |       |                   |
| Signed                                       | <u>Larry Higgins</u>                                    | Title | Permit Supervisor |
|  | Larry Higgins   | Date  | 5-4-10            |
| (This space for Federal or State office use) |   |       |                   |
| Approved by                                  | <u>Joe Hewitt</u>                                       | Title | Geo               |
|  |   | Date  | 5-6-10            |
| Conditions of approval, if any               |   |       |                   |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

NMOCD



Exploration & Production

## **Production Allocation Recommendation Rosa # 005C (DK/MC/MV)**

**WELLNAME:** Rosa #005C  
**LOCATION:** Sec. 26, T31N,R06W  
**API No.:** 03-039-30178

**FIELD:** Rosa Blanco  
**COUNTY:** Rio Arriba, NM  
**Date:** 5-4-10

**Current Status:** Williams is currently completing the Rosa #005C 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 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 =  $\text{DK prod} / \text{Total prod} = 86,405 \text{ Mcf} / 364,108 \text{ Mcf} = 24\%$

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

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