

In Lieu of  
Form 3160  
(June 1990)

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 26 2009

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.

Bureau of Land Management  
Farmington Field Office

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Well Gas Well ☒ Other

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.  
PO Box 640 Aztec, NM 87410-0640 634-4208

4. Location of Well (Footage, Sec., T, R., M., or Survey Description)  
SURF: 610' FNL & 610' FEL  
BHL: 1768' FNL & 392' FEL SEC 16 31N 6W

5. Lease Designation and Serial No.  
NMSF-078766

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
Rosa Unit

8. Well Name and No.  
Rosa Unit 145D

9. API Well No.  
30-045-35002

10. Field and Pool, or Exploratory Area  
BLANCO MV/BASIN DK/BASIN MC

11. County or Parish, State  
San Juan, New Mexico

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

TYPE OF SUBMISSION

☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Commingling

☐ 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 NMOC. (copy attached)

RCVD OCT 28 '09  
OIL CONS. DIV.

DIST. 3

011c 3278AZ

14. I hereby certify that the foregoing is true and correct

Signed Larry Higgins  
Larry Higgins

Title Drilling COM Date 10/26/09

(This space for Federal or State office use)

Approved by Joe Hewitt

Title Geo

Date 10-27-09

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.

NMOC

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.<br><br>30-045-35002  |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FED <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No.  |
| 7. Lease Name or Unit Agreement Name:<br><br>Rosa Unit  |
| 8. Well No.<br><br>Rosa Unit #145D  |
| 9. Pool name or Wildcat<br><br>BLANCO MV/BASIN<br>MANCOS/BASIN DK                                   |

|  |  |
|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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:<br>Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other   |  |
| 2. Name of Operator<br><br>WILLIAMS PRODUCTION COMPANY   |  |
| 3. Address of Operator<br><br>P.O. Box 640, Aztec, NM 87410  |  |
| 4. Well Location (Surface)<br>Unit letter <u>A</u> : <u>610</u> feet from the <u>NORTH</u> line & <u>610</u> feet from the <u>EAST</u> line Sec 16-31N-6W SAN JUAN, NM                                       |  |
| 10. Elevation (Show whether DF, RKB, RT, GR, etc.<br>6324' 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

RCVD OCT 28 '09

X OTHER: COMMINGLING AUTHORIZATION

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

OIL CONS. DIV.

- 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) **DIST. 3**
- Pre-approved Pool Division Order R-13122.
  - Pools to be commingled. Blanco MV 72319, Basin Mancos 97232, Basin Dakota 71599.
  - Perforated intervals: Blanco MV 5590'-6174', Basin Mancos 6990'-7486', Basin Dakota 8098'-8235'.
  - 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.

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 10-26-09

Type or print name Larry Higgins

Telephone No: (505) 634-4208

(This space for State use)

APPROVED

BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of approval, if any:



Exploration & Production

## Production Allocation Recommendation Rosa # 145D (DK/MC/MV)

WELLNAME: Rosa #145D  
LOCATION: Sec.16, T31N,R06W  
API No.: 03-045-35002

FIELD: Rosa Blanco  
COUNTY: San Juan, NM  
Date: 10-26-09

**Current Status:** Williams is currently completing the Rosa #145D 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 PBTB
5. Complete with single string 2-3/8" tubing, landed in 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 =  $\text{MV prod} / \text{Total prod} = 141,500 \text{ Mcf} / 364,108 \text{ Mcf} = 39\%$