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Form 3160-5  
(February 2005)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 10 2011

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

Farmington Field Office  
Bureau of Land Management

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well		5. Lease Serial No
<input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		State
2. Name of Operator Williams Production Company, LLC		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 640    Aztec, NM 87410	3b. Phone No. (include area code) 505-333-1806	7. If Unit of CA/Agreement, Name and/or No. Rosa Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 955' FNL & 2205' FEL, sec 8, T31N, R6W		8. Well Name and No. Rosa Unit #167B
		9. API Well No. 30-045-30816
		10. Field and Pool or Exploratory Area BLANCO MV/BASIN DK
		11. Country or Parish, State SAN JUAN, NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other / Commingle
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

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

RCVD NOV 16 '11

OIL CONS. DIV.

DIST. 3

SEE DHC Requirement

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Ben Mitchell	Title Regulatory Specialist
Signature <i>[Signature]</i>	Date 11/10/2011

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>[Signature]</i>	Title GCB	Date 11-14-11
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office FFD	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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

(Instructions on page 2)

NMOCD  
PV

Submit 3 Copies 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  
May 27, 2004

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

WELL API NO. 30-045-30816
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.. State
7. Lease Name or Unit Agreement Name Rosa Unit
8. Well Number 167B
9. OGRID Number 120782
10. Pool name or Wildcat Blanco MV/Basin Dakota

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, LLC

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

4. Well Location  
955' FNL & 2205' FEL  
Section 8L Township 31N Range 06W NMPM County SAN JUAN, NM

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6219' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water

Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material

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 ☐

OTHER: ☒ Commingle

SUBSEQUENT REPORT OF:

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

OTHER: ☐

- i. Pre-approved Pool Division Order R-13122.
- ii. Pools to be commingled: Blanco MV 72319, Basin Dakota 71599.
- iii. Perforated intervals: Blanco MV 4510'-5772', Basin Dakota 7716'-7839'.
- iv. Fixed percentage allocation based upon production data of 46% Blanco MV and 54% Basin Dakota. This is based on the historic MV/DK of this well. 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. 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.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Ben Mitchell TITLE Regulatory Specialist DATE 11/10/2011

Type or print name Ben Mitchell E-mail address: ben.mitchell@williams.com Telephone No. 505-333-1806  
**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Conditions of Approval (if any):



**Production Allocation Recommendation  
Rosa Unit #167B  
Mesa Verde/Dakota**

<b><u>WELLNAME:</u></b>	Rosa Unit #167B	<b><u>FIELD:</u></b>	San Juan
<b><u>LOCATION:</u></b>	NW/4 NE/4 Section 8(B), T31N, R6W	<b><u>COUNTY:</u></b>	San Juan
<b><u>API No.:</u></b>	30-045-30816	<b><u>Date:</u></b>	September 24, 2011

**Current Status:** The Rosa Unit #167B is currently a dual completion well producing from the Mesa Verde and Dakota formations. Williams recommends commingling this well.

**Commingle Procedure:**

- Mesa Verde tubing will be pulled
- Dakota tubing will be pulled
- Production packer will be removed
- Well will be cleaned out to PBTD at 7885'
- A single string of 2-3/8" tubing will be run to ~7810'
- One set of wellhead facilities will be removed
- Well will be produced as a MV/DK commingle

**Allocation Method:** Historic production data from both zones in this well was gathered and analyzed. Cumulative production was considered to calculate baseline allocations. Williams will run a completion profiler once the well is commingled to re-evaluate allocation percentages.

Cumulative production used for baseline allocation:

Total Production from well	=	606.760 MMcf
Total Production from MV	=	278.901 MMcf
Total Production from DK	=	327.859 MMcf

MV allocation = MV production / Total production = 278.901 MMcf / 606.760 MMcf = **46%**

DK allocation = DK production / Total production = 327.859 MMcf / 606.760 MMcf = **54%**