

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
NMSF-078771

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No
Rosa Unit

8. Well Name and No.
Rosa Unit #36C

9. API Well No.
30-039-30182

10. Field and Pool or Exploratory Area
Blanco Mesaverde/Basin Dakota

11. Country or Parish, State
Rio Arriba, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

AUG 02 2011

2. Name of Operator
Williams Production Company, LLC

Farmington Field Office
Management

3a. Address
PO Box 640 Aztec, NM 87410

3b. Phone No. (include area code)
505-634-4208

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sur. 1830' FNL & 1970' FEL, BHL. 2310' FNL & 2310' FEL, section 11, T31N, R6W

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

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

DHC 3628AZ

RCVD AUG 4 '11

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) LARRY HIGGINS	Title PERMIT SUPVR
Signature <i>Larry Higgins</i>	Date 8/2/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Joe Hewitt</i>	Title Geo	Date 8-3-11
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 FFO	

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 AV

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.

30-039-30182

5. Indicate Type of Lease
STATE ☐ FED ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement
Name:

Rosa Unit

8. Well No.

Rosa Unit 036C

9. Pool name or Wildcat

BLANCO MV//BASIN DK

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

P.O. Box 640, Aztec, NM 87410

4. Well Location (Surface)

Unit letter G : 1830 feet from the NORTH line & 1970 feet from the EAST line Sec 11 -31N-6W RIO ARRIBA, NM

10. Elevation (Show whether DF, RKB, RT, GR, etc.
6421' 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

X OTHER: COMMINGLING AUTHORIZATION

OTHER: _____

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 Dakota 71599.
- iii. Perforated intervals: Blanco MV 5505'-5909', Basin Dakota 8011'-8104'.
- iv. Fixed percentage allocation based upon production data of 62% Blanco MV and 38% Basin Dakota. This is based on the historic production of all wells that have MV/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. 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.

SIGNATURE

Larry Higgins

TITLE:

Permit Supv

DATE: 8/2/11

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 Unit #036C (DK/MV)

WELLNAME: Rosa Unit #036C
LOCATION: Sec. 11, T31N,R06W
API No.: 03-039-30182

FIELD: Rosa Unit
COUNTY: Rio Arriba, NM
Date: 8/2/11

Current Status: Williams is currently completing the Rosa Unit #036C in the Dakota and Mesa Verde formations. Williams recommends commingling the well after the proposed completion work has been completed.

Commingle Procedure:

1. Acidize & fracture stimulate the DK 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 commingle

Allocation Method: Williams has assembled historic production data from MV and DK wells that have been drilled after Jan 2003. Williams used this production data to come up with an initial allocation for this commingle. 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 = 227,905 Mcf
Total Production from DK = 86,405 Mcf
Total Production from MV = 141,500 Mcf

DK allocation = $\text{DK prod} / \text{Total prod} = 86,405 \text{ Mcf} / 227,905 \text{ Mcf} = \mathbf{38\%}$
MV allocation = $\text{MV prod} / \text{Total prod} = 141,500 \text{ Mcf} / 227,905 \text{ Mcf} = \mathbf{62\%}$