

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 01 2010

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.

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.

NMSE-078773

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 #184C

9. API Well No.

30-039-30143

10. Field and Pool or Exploratory Area
Blanco MV/Basin MC/Basin DK

11. Country or Parish, State
Rio Arriba

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Williams Production Company, LLC

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)

845' FNL & 2525' FEL, Sec 34, T31N, R5W

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 checked="" type="checkbox"/> Other <u>Commingle</u>
	<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 recompleate 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 recompleation 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 completed the Mesaverde and Dakota on this well in 2007 as a dual completion. We are now completing the Mancos and wish to allocate as follows'

MV – 39%

MC – 37%

DK – 24%

RCVD OCT 7 '10
OIL CONS. DIV.

DIST. 3

Allocations may be adjusted at a later date based on spinner surveys after production has stabilized. Commingle authorization has been filed with the NMOCD. (copy attached)

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

Name (Printed/Typed)

Larry Higgins

Title Permit Supervisor

Signature

Date 10/01/10

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Joe Hammett

Title GCO

Date 10-4-10

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

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

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

October 13, 2009

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.)		WELL API NO. 30-039-30143
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FED <input checked="" type="checkbox"/>
2. Name of Operator Williams Production Company		6. State Oil & Gas Lease No. Federal - NMSF-078773
3. Address of Operator PO Box 640, Aztec, NM 87410 Phone: 505-634-4208		7. Lease Name or Unit Agreement Name Rosa Unit
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		8. Well Number Rosa Unit #184C
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		9. OGRID Number 120782
		10. Pool name or Wildcat Blanco MV/Basin MC/Basin DK

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 ☒

OTHER: ☐

SUBSEQUENT REPORT OF:

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

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.

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: _____ TITLE _____ DATE _____

Conditions of Approval (if any):



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.

Commingle 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 = $\text{DK prod} / \text{Total prod} = 86,405 \text{ Mcf} / 364,108 \text{ Mcf} = 24\%$

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

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