

# RECEIVED

Form 3160-5  
(February 2005)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCT 19 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		6. If Indian, Allottee or Tribe Name
<input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. Rosa Unit
2. Name of Operator Williams Production Company, LLC		8. Well Name and No. Rosa Unit #79B
3a. Address PO Box 640    Aztec, NM 87410	3b. Phone No (include area code) 505-333-1806	9. API Well No. 30-039-26920
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 975' FNL & 2600' FWL, Section 22, T31N, R6W		10. Field and Pool or Exploratory Area Blanco Mesaverde/Basin Dakota
		11. Country or Parish, State Rio Arriba, 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 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 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 OCT 25 '11

OIL CONS. DIV.

DIST. 3

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed) Ben Mitchell	Title Regulatory Specialist
Signature	Date 10/19/11

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by  Original Signed: Stephen Mason	Title	Date OCT 20 2011
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	

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  
A



EXPLORATION & PRODUCTION

## PACKER REMOVAL & COMMINGLING PROCEDURE

ROSA UNIT #079B  
API No. 30-039-26920  
T31N, R6W, SECT. 22(C)  
ELEVATION: 6269' GR

### WELLBORE STATUS:

MV: 178 JTS. 2-1/16" 3.25# TBG LANDED @ 5977'  
DK: 243 JTS 2-1/16", 3.25# TBG LANDED @ 7859' ARROW MODEL "D" PACKER @ 6950'  
CASING: 177 JTS, 5-1/2", 17#, N-80, LT&C SET @ 7955' FLOAT COLLAR @ 7943'

### OBJECTIVE: Remove packer and commingle MV & DK

1. Pull Mesa Verde tubing.
2. Pull Dakota tubing, release Arrow Model "D" packer @ 6950'.
3. Clean out to PBTD @ 7955'.
4. Complete with single string 2-3/8" tubing, landed @ 7859'.
5. Install plunger lift system.
6. Remove one set of wellhead facilities.
7. Return to production as MV/DK commingle.

### PRIOR TO PRIMARY JOB

- 1) Test rig anchors.
- 2) Verify location is OK for rig operations.
- 3) Ensure JSA, ECP's and lockout procedures are in place for the flowline and other energized piping or equipment.
- 4) Acquire ~7900' of 2-3/8", EUE, 8rd, 4.7 #/ft tubing.
- 5) Acquire wellhead and convert from dual tubing string to a single, 2-3/8" tubing string.
- 6) Acquire 2-3/8", I.D. Seat Nipple.
- 7) **KCI** on location to treat kill water as needed.

### SAFETY NOTICE

**PERSONNEL SAFETY IS THE NUMBER ONE JOB.  
NO EXCEPTIONS!!!  
PLEASE FOLLOW APPROPRIATE WILLIAMS CONTRACTOR  
PROTOCOLS FOR THIS JOB PLAN**

Please see your Williams Business Representative if you have any questions; Contractor protocols can be located in the Williams E&P Contractor Guide

**PRIMARY JOB**

**Note:** Safety meetings shall be held each morning before work and subsequent "tailgate" safety meetings are to be held during the day when operation objectives shift in nature and intent (i.e. beginning/ending fishing operations; squeeze jobs, rigging down, perforating, etc.) Please ensure these are documented per section 2.2.7 of the Williams E&P Contractor Guide

1. MI and spot equipment to include fluid pumps and tanks.
2. MIRU.
3. ND/NU killing well with KCL water as necessary.
4. Test the BOP's to 2500 psig minimum. If they fail, then rebuild and retest. If they cannot pass tests DO NOT PROCEED and notify Production Engineer.
5. POOH w/ MV tubing.
6. Pick up on long string (DK) to determine if the long string will pull.
7. POOH with long string one or two joints to confirm ability to move.
  - 7.1. Pick up additional joints of 2-1/16" pipe and wash to top of packer at 6950' using heavy air mist. Wash as necessary until returns clean up to approximately 1/4 cup of sand in 5 gallons of water returns.
  - 7.2. After returns clean up, POOH with pipe laying down string.
8. Spear or screw in and POOH with 2-1/16" 3.25 #/ft long string (DK) string using straight pull to pull out of Model D packer seal assembly.
9. POOH with lay down 2-1/16" 3.25# tubing and seal assembly.
10. NU additional pipe ram for work string or replace pipe ram with annular preventer.
11. RIH w/ work string.
12. Clean out to 7943' PBTD using a bit, scraper, and air unit package.
13. TOOH w/ work string.

**Note:** Only use pipe dope on the pins. Do not dope the couplings.

14. RIH w/ 2-3/8" production tubing and set @ 7859' **As Follows:** mule shoe, 1 jt 2-3/8", seat nipple & standing valve, 2-3/8 tbg to surface. Test tubing to 1000 psi. Report leaks and replace as necessary.

**Note:** This well should be dead and the BOP's shall be closed and locked at the end of daily operations.

15. Ensure tubing is not plugged prior to releasing the rig.
16. N/D BOP's and N/U wellhead.
17. Return well to production.
18. R/D, move off location.

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. 30-039-26920
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. SF-078766
7. Lease Name or Unit Agreement Name Rosa Unit
8. Well Number 79B
9. OGRID Number 120782
10. Pool name or Wildcat Blanco Mesaverde/Basin Dakota

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other			
2. Name of Operator WILLIAMS PRODUCTION COMPANY, LLC			
3. Address of Operator P.O. Box 640, Aztec, NM 87410			
4. Well Location 975' FNL & 2600' FWL Section 22 Township 31N Range 06W NMPM County RIO ARRIBA			
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6269			
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>			
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 5066'-5783', Basin Dakota 7822'-7880'.
- iv. Fixed percentage allocation based upon production data of 65% Blanco MV and 35% 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 10/19/2011

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):



Exploration & Production

## Production Allocation Recommendation

### ROSA UNIT #079B

### Mesa Verde/Dakota

**WELLNAME:** Rosa Unit #079B

**LOCATION:** NE/4 NW/4 Section 22(C), T31N, R6W

**API No.:** 30-039-26920

**FIELD:**

**COUNTY:**

**Date:**

San Juan

Rio Arriba

October 18, 2011

**Current Status:** The Rosa Unit #079B 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 7943'
- A single string of 2-3/8" tubing will be run to ~7880'
- 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. Average production was considered to calculate baseline allocations. Williams will run a completion profiler once the well is commingled to re-evaluate allocation percentages.

Average production used for baseline allocation:

Total Production from well = 183.39 Mcfd

Total Production from MV = 119.00 Mcfd

Total Production from DK = 64.39 Mcfd

MV allocation = MV production / Total production = 55.2 Mcfd / 102.5 Mcfd = **65%**

DK allocation = DK production / Total production = 47.3 Mcfd / 102.5 Mcfd = **35%**