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To Appropriate  
District Office  
**DISTRICT I**  
P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
811 South First, Artesia NM 88210

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

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

WELL API NO.	30-039-25570
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name:	ROSA UNIT
8. Well No.	30
9. Pool name or Wildcat	BLANCO MV/BASIN DK

<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	
3. Address of Operator P O BOX 3102, MS 25-2, TULSA, OK 74101	
4. Well Location (Surface) Unit letter <u>O</u> : 890 feet from the <u>SOUTH</u> line & 920 feet from the <u>EAST</u> line Sec 12-31N-06W RIO ARRIBA, NM	
10. Elevation (Show whether DF, RKB, RT, GR, etc. 6490' 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

☒ OTHER: COMMINGLE

CASING TEST AND CEMENT JOB

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

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103.

Williams Production Company proposes to commingle the Mesa Verde and Dakota zones in this well. These zones are part of the pre-approved pools for commingling. The production packer currently installed will be removed along with the Dakota and Mesa Verde tubing strings and will be replaced by one string of tubing landed at 8200'. Attached is all necessary information requested by rule 19.15.5.303 C(3)(b)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Tracy Ross TITLE: SR. Production Analyst DATE: September 19, 2006

Type or print name TRACY ROSS Telephone No: (918) 573-6254  
(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 4 DATE SEP 21 2006

Conditions of approval, if any: Prior to commingling, BLM must be notified on 3160-5  
and OGD must have a statement that:  
1 commingling will not reduce value of production from either pool  
2 Order is 11363  
3 Ownership notified and no objection received in 20 days  
This is in order to comply with Rule 19.15.5.303 C(3)(b)



Exploration & Production

## **Production Allocation Recommendation Rosa #30 (MV/DK)**

**WELLNAME:** Rosa #30  
**LOCATION:** SW/4 SE/4 Sec.12, T31N,R06W  
**API No.:** 30-039-25570

**FIELD:** Rosa DK & Blanco MV  
**COUNTY:** SAN JUAN, NM  
**Date:** April 4, 2006

**Current Status:** The Rosa #30 is currently a dual completion well producing from the Dakota and Mesaverde formations. The Production Optimization and Enhancement Team recommends commingling this well upon completion of the workover currently underway.

### **Commingle Procedure:**

- Dakota tubing will be pulled
- MesaVerde tubing will be pulled
- Production packer will be removed
- Well will be cleaned out to PBTD
- A single string of 2-3/8" tubing will be run to ~8200'
- 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 on this well was gathered and analyzed. Monthly production data from Jan 1999 to June 2002 was considered as this represented a time when both zones appear to be free from loading problems and each zone was producing optimally. During this time frame the Dakota accounted for approximately 75.2% of the total production of the well, while the MesaVerde contributed the remaining 24.8% during the same time.

From Jan 1999 – Jun 2002

Total Production from well = 469,385 Mcf  
Total Production from DK = 352,959 Mcf  
Total Production from MV = 116,426 Mcf

DK allocation =  $\text{DK prod} / \text{Total prod} = 352,959 \text{ Mcf} / 469,385 \text{ Mcf} = 75.2\%$

MV allocation =  $\text{MV prod} / \text{Total prod} = 116,426 \text{ Mcf} / 469,385 \text{ Mcf} = 24.8\%$

# PROPOSED ROSA UNIT #30 BLANCO MV/BASIN DK Commingle

Location: Sec. 12(O), T31N, R06W  
890' FSL, 920' FEL  
Rio Arriba, NM  
Elevation: 6490' GR  
API No: 30-039-25570  
KB: 14'

Spudded 07-09-1996  
Completed 08-17-1996  
ID'd 10-30-1996  
Commingle 04-03-2006

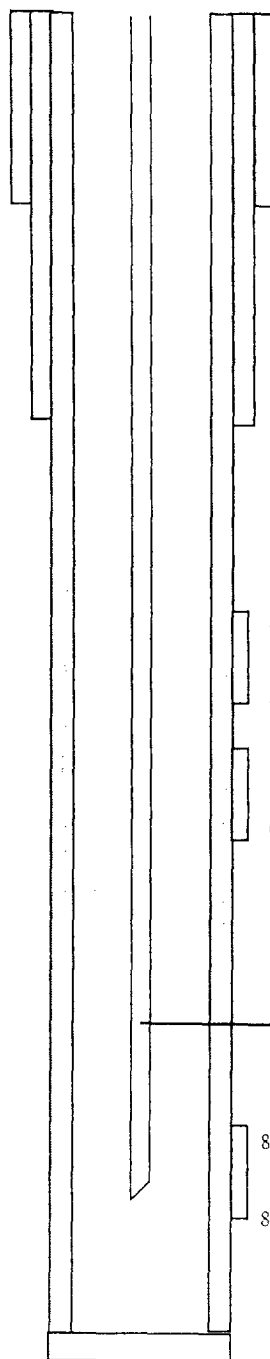
Tops	Depth
Ojo Alamo	2603'
Fruitland	3162'
Pictured Cliffs	3354'
Lewis	3606'
Cliff House	5558'
Menefee	5608'
Point Lookout	5812'
Gallup	N/L
Dakota	8051'

## Stimulation:

Cliff House/Menefee: 5573' - 5796' (41, 0.36" holes)  
80,000# of 20/40 Arizona sand in 1766 BBL's of slick  
water. AIR = 87 BPM.

Point Lookout: 5813' - 6154' (63, 0.36" holes)  
80,000# of 20/40 Arizona sand in 1951 BBL's of slick  
water. AIR = 105 BPM.

Dakota 8065' - 8223' 2 spf (24, 0.36" holes)  
147,000# 20/40 Ottawa and 10,000# super DC resin  
coated sand in 1196 of 60 qual foam w/30# CMCHPG  
X-linked w/Zirconium. AIR = 32 BPM



HOLE SIZE	CASING	CEMENT	CMT TOP
13-3/4"	10-3/4"	220 s x (260 cf)	Surface
9-7/8"	7-5/8"	840 s x (1544 cf)	Surface
6-3/4"	5-1/2"	440 s x (612 cf)	3200' CBL??