In Lieu of

UNITED STATES

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Form 316 (June 199	0) BUREAU OF LA	NT OF INTERIOR AND MANAGEMENT	JUL 2 1 2009		FORM APPROVED Budget Bureau No 1004-0135 Expires March 31, 1993			
SUNDRY NOTICE AND REPORTS ON WELLS Bureau of Land Monage Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Place APPLICA FIGNAGE TO DRILL" for permit for such proposals					Lease Designation and Serial No. NMSF-078765			
					If Indian, Allottee or Tribe Name			
	SUBMIT IN TI	RIPLICATE		7	If Unit or CA, Agreement Designation Rosa Unit			
1.	Type of Well Oil Well Gas Well X Other			8.	Well Name and No Rosa Unit 12D			
2	Name of Operator WILLIAMS PRODUCTION COMPANY			9.	API Well No. 30-039-30699			
3.	Address and Telephone No. PO Box 640 Aztec, NM 87410-0640			10.	Field and Pool, or Exploratory Area Blanco MV/Basin MC/Basin DK			
4	Location of Well (Footage, Sec., T, R, M., or Survey Description) 1905' FNL & 595' FEL SURF 2494' FNL & 623' FEL SEC 15 T31N, 6W				County or Parish, State Rio Arriba, New Mexico			
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA								
	TYPE OF SUBMISSION		TYPE OF ACTION					
	X Notice of Intent Subsequent Report Final Abandonment	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Completio	<u>n</u>		Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
13.	Describe Proposed or Completed Operations (Cl directionally drilled, give subsurface locations a				mated date of starting any proposed work If well is nent to this work)*			

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

> R.V.D AUG 5 109 OIL CONS. DIV.

> > DIST. 3

14.	I hereby certify that the foregoing is true and correct Signed Larry Higgins	Title Drilling COM Date 7-21-09	
	(This space for Federal or State office use) Approved by Huming Conditions of approval, if any.	Title 60	Date <u>6-3-09</u>

Title 18 U.S.C. Section 1001, makes 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 NMACO

To Appropriate		and Natural Resources Department		Revised 1-1-89
District Office DISTRICT I P.O. Box 1980, Hobbs, NM 88240	2	ERVATION DIVISION 040 South Pacheco	W	ELL API NO. 30-039-30699
DISTRICT II 811 South First, Artesia NM 88210	Sa	anta Fe, NM 87505	5.	Indicate Type of Lease STATE FED
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410			6.	State Oil & Gas Lease No.
SUNDRY NOTICE (DO NOT USE THIS FORM FOR PROPORTION OF THE PROPORTI	DSALS TO DRILL OR	TO DEEPEN OR PLUG BACK TO A	7.	Lease Name or Unit Agreement Name: Rosa Unit
· ·	as Well	Other		
2. Name of Operator			8.	Well No.
WILLIAMS PRODUCTION COMPAN	Y			Rosa Unit #12D
3. Address of Operator			9.	Pool name or Wildcat
P.O. Box 640, Aztec, NM 87410				BLANCO MV/BASIN MANCOS/BASIN DK
4. Well Location (Surface)	o NODTH line 0-	505 foot from the EAST line See	15 21	N GW DIO ADDIDA NA
Unit letter <u>H</u> : <u>1905</u> feet from th		vhether DF, RKB, RT, GR, etc	13-31	IN-UW RIO ARRIDA, NIVI
		6299' GR		

Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: ALTERING CASING PERFORM REMEDIAL PLUG AND ABANDON REMEDIAL WORK WORK COMMENCE DRILLING OPNS. PLUG AND TEMPORARILY ABANDON **CHANGE PLANS** ABANDONMENT CASING TEST AND CEMENT JOB PULL OR ALTER CASING X OTHER. COMMINGLING AUTHORIZATION OTHER: _____. 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) Pre-approved Pool Division Order R-13122. i. Pools to be commingled: Blanco MV 72319, Basin Mancos 97232, Basin Dakota 71599. ii. Perforated intervals. Blanco MV 5164'-5921', Basin Mancos 6805'-7300', Basin Dakota 7903'-7992'. iii. Fixed percentage allocation based upon production data of 39% Blanco MV, 37% Basin Mancos, and 24% Basin Dakota. This is iν. 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. v. All interest owners in the spacing unit have not been notified of the intent to downhole commingle per order R-12991. vi. The BLM has been notified on sundry notice form 3160-5. vii. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Type or print name Larry Higgins Telephone No: (505) 634-4208 (This space for State use) APPROVED TITLE DATE BY Conditions of approval, if any:

TITLE. <u>Drlg COM</u> DATE. <u>7-21-09</u>.



Production Allocation Recommendation Rosa # 12D (DK/MC/MV)

Rosa Blanco

Rio Arriba, NM

WELLNAME: Rosa #12D

LOCATION: Sec.15, T31N,R06W

API No.: 03-039-30699 Date: 7-21-09

Current Status: Williams is currently completing the Rosa #12D in the Dakota, Mancos, and Mesa Verde formations. Williams recommends tri-mingling the well after the proposed completion work has been completed.

Commingle Procedure:

- 1. Acidize & fracture stimulate the DK, MC, 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 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 = DK prod / Total prod = 86,405 Mcf/364,108 Mcf = 24% MC allocation = MC prod / Total prod = 136,202 Mcf/364,108 Mcf = 37%

MV allocation = MV prod / Total prod = 141,500 Mcf/364,108 Mcf = 39%



ENERGY SERVICES Exploration & Production June 9, 2009

Initial allocation of production for Rosa Unit new drills completed in the Dakota, Mancos and Mesa Verde

Using historic production from recently (after Jan 2003) completed wells and forecasted production from Mancos wells very recently completed (late 2008), an allocation percentage was calculated for all three zones. This allocation will be used for the first 12-18 months of production on the well. After this time a production logging tool will be run (spinner survey or equivalent) to better estimate the production allocation percentage. (See attached production plot and forecast for allocation data.)

For the first 12 months

Total Production from well = 274.325 MMcf
Total Production from Dakota = 60.205 MMcf
Total Production from Mancos = 106.644 MMcf
Total Production from MesaVerde = 107.475 MMcf

Dakota allocation = Dakota prod / Total prod = 60.205 MMcf /274.325 MMcf = 22%

Mancos allocation = Mancos prod / Total prod = 106.644 MMcf/274.325 MMcf = 39%

MesaVerde allocation = MesaVerde prod / Total prod = 107.475 MMcf /274.325 MMcf = 39%

Other methods of allocation considered:

<u>Flow test through a separator</u> – Differences in decline rates between the reservoirs may lead to a large difference in allocation at the end of a year. Additionally, stimulation fluid that remains in the near-wellbore formation may mask the reservoirs true potential in the short term.

Extended isolated flow (flowing each zone individually for 3-6 months) — This method may yield better results than the immediate flow through the separator, there is still the concern about the formation potential in the short term. Additionally, as the lower formations sit under bridge plugs for a year or more the formation may be damaged by not effectively removing the stimulation fluids and ultimately less reserves would be recovered.