

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

5. Lease Designation and Serial No.  
SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well  
Oil Well ☒ Gas Well ☐ Other ☐

8. Well Name and No.  
ROSA UNIT #209A

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

9. API Well No.  
30-039-27699

3. Address and Telephone No.  
PO BOX 3102 MS 25-2, TULSA, OK 74101 (918) 573-6254

10. Field and Pool, or Exploratory Area  
BASIN FRUITLAND COAL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1085' FSL & 975' FEL, SW/4 SE/4 SEC 24-T31N-R06W

11. County or Parish, State  
RIO ARRIBA, NM

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

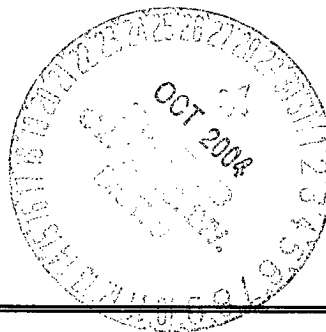
Notice of Intent  
☒ Subsequent Report  
Final Abandonment

Abandonment  
Recompletion  
Plugging Back  
Casing Repair  
Altering Casing  
Other Production Test

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 (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Per your request, attached is the IP test that was conducted on the above well on September 22, 2004.



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

Signed Tracy Ross  
Tracy Ross

Title Sr. Production Analyst

Date October 12, 2004

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date OCT 27 2004

Conditions of approval, if any:

ACCEPTED FOR RECORD

FARMINGTON FIELD OFFICE  
BY AB

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.

NMOC

**NEW MEXICO OIL CONSERVATION COMMISSION**  
**MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Operator <b>Williams Production Company</b>				Lease or Unit Name <b>ROSA UNIT</b>			
Test Type <b>X Initial      Annual      Special</b>			Test Date <b>9/22/2004</b>		Well Number <b>#209A</b>		
Completion Date <b>8/11/2004</b>		Total Depth <b>3182'</b>		Plug Back TD <b>3178'</b>		Elevation <b>6312'</b>	
Casing Size <b>5-1/2"</b>		Weight <b>17#</b>		Set At <b>3178'</b>		Perforations: <b>3008' - 3169'</b>	
Tubing Size <b>2-7/8"</b>		Weight <b>6.5#</b>		Set At <b>3168'</b>		Perforations: <b></b>	
Type Well - Single-Bradenhead-GG or GO Multiple				Packer Set At		Formation <b>FT</b>	
Producing Thru <b>Tubing</b>		Reservoir Temp. oF		Mean Annual Temp. oF		Barometer Pressure - Pa	
Connection		L		H		Gq	
Meter Run		Taps		Prover		3/4"	

FLOW DATA				TUBING DATA		CASING DATA		
NO	Prover Line Size	X Orifice Size	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF	Pressure p.s.i.q	Temperature oF
SI	2" X 3/4"				340		165	
1					3	68	55	0.5 hr
2					3	68	70	1.0 hr
3					10	68	55	1.5 hrs
4					5	68	40	2.0 hrs
5					3	72	38	3.0 hrs

RATE OF FLOW CALCULATION										
NO	Coefficient (24 Hours)				hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fq	Super Compress. Factor, Fpv	Rate of Flow Q,Mcf/d
1	9.604					15	0.9887	1.29	1.004	184
2										
3										
4										
NO	Pr	Temp. oR	Tr	Z	Gas Liquid Hydrocarbon Ration					Mcf/bbl.
1					A.P.I Gravity of Liquid Hydrocabrons _____.					Deq.
2					Specific Gravity Separator _____.					
3					Specific Gravity Flowing Fluid xxxxxxxxxx					XXXXXX
4					Critical Pressure _____ p.s.i.a.					____ p.s.i.a.
5					Critical Temperature _____ R					____ R

Pc	177	Pc <sup>2</sup>	31329	
NO	Pt1	Pw	Pw <sup>2</sup>	Pc <sup>2</sup> -Pw <sup>2</sup>
1		50	2500	28829
2				
3				
4				
<div style="display: flex; justify-content: space-between;"> <div> (1) <math>\frac{Pc^2}{Pc^2 - Pw^2} = 1.0867182</math> </div> <div> (2) <math>\frac{Pc^2 \Delta n}{Pc^2 - Pw^2} = 1.0644</math> </div> </div>				
AOF = Q $\frac{Pc^2 \Delta n}{Pc^2 - Pw^2} = 196$				
Absolute Open Flow		196	Mcf/d @ 15.025	Angle of Slope
				Slope, n
				0.75

Remarks:			
Approved By Commission:	Conducted By: Mark Lepich	Calculated By: Tracy Ross	Checked By: