

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

2006 MAR 2 PM 2:28

5. Lease Designation and Serial No.
NMSF-078771

6. If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

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

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2150' FNL & 1080' FWL, SW/4 NW/4 SEC 23-T31N-R06W

8. Well Name and No.
ROSA UNIT #21C

9. API Well No.
30-039-26946

10. Field and Pool, or Exploratory Area
BLANCO MV

11. County or Parish, State
RIO ARRIBA, NM

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

TYPE OF SUBMISSION

Notice of Intent
☒ Subsequent Report
Final Abandonment

TYPE OF ACTION

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.)*

Attached is the IP test that was conducted on the above well on September 16, 2005.

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

Signed Tracy Ross
Tracy Ross

Title Sr. Production Analyst

Date February 27, 2006

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

MAR 03 2006

FARMINGTON FIELD OFFICE

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 Williams Production Company					Lease or Unit Name Rosa Unit				
Test Type X Initial Annual Special			Test Date 9/16/2005		Well Number (API #) #21C (API # 30-039-26946)				
Completion Date 9/6/2005		Total Depth 5990'		Plug Back TD 5955'		Elevation 6216'		Unit Sec Twp Rng E 23 31N 06W	
Casing Size 4 1/2"		Weight 10.5#		Set At 5990'		Perforations: 4996' - 5465'		County Rio Arriba	
Tubing Size 2 3/8"		Weight 4.7#		Set At 5784'		Perforations: 5497' - 5799'		Pool Blanco	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At		Formation Mesa Verde		
Producing Thru Tubing		Reservoir Temp. oF		Mean Annual Temp. oF			Barometer Pressure - Pa		Connection
L	H	Gq 0.6	%CO2	%N2	%H2S		Prover 3/4"	Meter Run	Taps

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	Duration of Flow
SI	2" X 3/4"				630	53	860		0
1					265	70	740		0.5 hr
2					260	72	690		1.0 hr
3					255	72	675		1.5 hrs
4					250	72	660		2.0 hrs
5					235	72	625		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, Mcfd
1	9.604					247	0.9887	1.29	1.028	3110
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 _____	XXXXXX
3					Specific Gravity Flowing Fluid xxxxxxxxxx	
4					Critical Pressure _____ p.s.i.a.	_____ p.s.i.a.
5					Critical Temperature _____ R	_____ R

Pc	872	Pc2	760384
NO	Pt1	Pw	Pw2 Pc2-Pw2
1		637	405769 354615
2			
3			
4			
<div style="display: flex; justify-content: space-between;"> <div> (1) $Pc2 = 2.1442522$ $Pc2 - Pw2$ </div> <div> (2) $Pc2^n = 1.7719722$ $Pc2 - Pw2$ </div> </div>			
AOF = Q $Pc2^n = 5511$ $Pc2 - Pw2$			
Absolute Open Flow		5511	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: