

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
DUPLICATE

(See other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.
SF-078769

6. IF INDIAN ALLOTTEE OR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #153B

9. API WELL NO.
30-039-27603

10. FIELD AND POOL, OR WILDCAT
BASIN DAKOTA

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NE/4 SE/4 SEC 17-31N-5W

12. COUNTY OR
RIO ARriba

13. STATE
NEW MEXICO

19. ELEVATION CASINGHEAD

ROTARY TOOLS
x

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE
YES

27. WAS WELL CORED
NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL DRY OTHER

b. TYPE OF COMPLETION:
☒ NEW WELL WORKOVER DEEPEN PLUG BACK DIFF. RESVR. OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 2620' FSL & 545' FEL
At top production interval reported below
At total depth:

15. DATE
SPUDDED
10/21/2004

16. DATE T.D.
REACHED
11/12/04

17. DATE COMPLETED (READY TO PRODUCE)
12/20/2004

14. PERMIT NO.
DATE ISSUED
6323' GR

20. TOTAL DEPTH, MD & TVD
8150' MD

21. PLUG, BACK T.D., MD & TVD
8132' MD

22. IF MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN DAKOTA 7890' - 8063'

26. TYPE ELECTRIC AND OTHER LOGS RUN
TMDL, GR, CCL & CBL

28. CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
10 3/4", K-55	40.5#	343'	14 3/4"	355 SX - SURFACE	
7 5/8", K-55	26.4#	3642'	9 7/8"	720 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2", 17#, N-80	0'	7814'	275 SX		2-1/16", J-55, 3.25#	8037'	6032'

31. PERFORATION RECORD (Interval, size, and number)

Dakota: 7898', 7906', 13', 44', 53', 63', 87', 96', 8024', 28', 32', 36', 40', 44', 50', 76' & 80'. Total of 21, 0.67" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)
7890' - 8063'

AMOUNT AND KIND OF MATERIAL USED
Fraced w/ 26,000 gals 20/40 Econoprop

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				Producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
1/12/05		1/4"	3 hrs.		127		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)
70	905						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

TEST WITNESSED BY: Larry Higgins

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Tracy Ross TITLE Sr. Production Analyst DATE July 10, 2006

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37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);					38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		TRUE VERTICAL DEPTH	
					NAME	MEASURED DEPTH		
PICTURED CLIFFS	2637'							
LEWIS	3167'							
CLIFFHOUSE	5387'							
MENEFEE	5432'							
POINT LOOKOUT	5642'							
MANCOS	5992'							
DAKOTA	7887'							

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 1/12/2005		Well Number #153B (API # 30-039-27603)				
Completion Date 12/20/2004		Total Depth 8150'		Plug Back TD 8132'		Elevation 6323'		Unit Sec Twp Rng I 17 31N 5W	
Casing Size 5 1/2"		Weight 17#		Set At 7831'		Perforations: 7890' - 8063'		County Rio Arriba	
Tubing Size 2 1/16"		Weight 3.25#		Set At 8037'		Perforations:		Pool Basin	
Type Well - Single-Bradenhead-GG or GO Multiple					Packer Set At 6032'		Formation DK		
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.g	Temperature oF	Pressure p.s.i.g	Temperature oF	Pressure p.s.i.g	Temperature oF	Duration of Flow
SI	2" X 3/4"				1330	67	900		0
1					340	93	905		0.5 hr
2					130	78	905		1.0 hr
3					100	75	905		1.5 hrs
4					80	75	905		2.0 hrs
5					70	73	905		3.0 hrs

RATE OF FLOW CALCULATION								
NO	Coefficient (24 Hours)	hwPm	Pressure Pm	Flow Temp. Factor Fl	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q _{Mcfd}	
1	9.604		82	0.9877	1.29	1.010	1013	
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	912	Pc2	831744	
NO	Ptl	Pw	Pw2	Pc2-Pw2
1		917	840889	-9145
2				
3				
4				

(1) $P_{c2} = \underline{-90.950683}$		(2) $P_{c2}^n = \underline{\#NUM!}$	
$P_{c2} - P_{w2}$		$P_{c2} - P_{w2}$	
AOF = Q $P_{c2}^n = \underline{\#NUM!}$			
$P_{c2} - P_{w2}$			

Absolute Open Flow #NUM!		Mcf @ 15.025	Angle of Slope _____	Slope, n 0.75
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Remarks:			
Approved By Commission:	Conducted By: Larry Higgins	Calculated By: Tracy Ross	Checked By:

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4					Critical Pressure _____ p.s.i.a.				_____ p.s.i.a.
5					Critical Temperature _____ R				_____ R

NO	Pc	Pt1	Pw	Pw2	Pc2-Pw2	(1) $\frac{Pc2}{Pc2-Pw2} =$		(2) $\frac{Pc2^n}{Pc2-Pw2} =$	
1	912		917	840889	-9145	-90.950683		#NUM!	
2									
3									
4									

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