

In Lieu of  
Form 3160-4  
(July 1992)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

a. 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: 1975' FSL & 1860' FWL  
At top production interval reported below:  
At total depth: 2947' FSL & 1660' FWL

5. LEASE DESIGNATION AND LEASE NO.  
SF-078766

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
ROSA UNIT #277A

9. API WELL NO.  
30-045-31711

10. FIELD AND POOL, OR WILDCAT  
BASIN FRUITLAND COAL

11. SEC., T., R., M., OR BLOCK AND  
SURVEY OR AREA  
NE/4 SW/4 SEC 17-31N-6W

12. COUNTY OR  
SAN JUAN

13. STATE  
NEW MEXICO

15. DATE  
SPUDDED  
09/01/2003

16. DATE T.D.  
REACHED  
09/23/2003

17. DATE COMPLETED (READY TO PRODUCE)  
12/01/2003

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)\*  
6335' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
3500' MD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTICOMP.,  
HOW MANY

23. INTERVALS  
DRILLED BY

ROTARY TOOLS  
x

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
BASIN FRUITLAND COAL 3298' - 3486'

25. WAS DIRECTIONAL SURVEY MADE  
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED  
NO

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
9-5/8" J-55	36#	298'	12-1/4"	170 SX - SURFACE	
7" J-55	20#	3250'	8-3/4"	460 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	2913'	3500'	0 SX		2-7/8"	3452'	

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

Basin Fruitland Coal: 3298'-3308' (40 holes), 3332'-48' (64 holes), 3366-80' (56 holes), 3420'-36' (64 holes), 3442'-50' (32 holes) & 3472'-86' (56 holes).  
312, 0.45" holes total

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing				WELL STATUS (PRODUCING OR SI) SI, well on vacuum, no flow	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
12/01/03	3 hr	3/4"	3 hrs		0		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	0				0		

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

ACCEPTED FOR RECORD BY: CHIK CHARLEY

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 Rose TITLE Production Analyst

DATE December 5, 2003  
FARMINGTON FIELD OFFICE  
BY gy

NMOC

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		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
OJO ALAMO	2557'	2681'						
KIRTLAND	2681'	3151'						
FRUITLAND	3151'	3484'						
BASE OF COAL	3484'							