

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-078772

6. IF INDIAN, ALLOTTEE OR

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

7. UNIT AGREEMENT NAME
ROSA UNIT

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

8. FARM OR LEASE NAME, WELL NO
ROSA UNIT #238

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 561-6674

API WELL NO
30-039-24501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 2045' FSL & 1960' FEL
At top production interval reported below : At total depth:

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NW/4 SE/4 SEC 3-T31N-R6W

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR

13. STATE

RIO ARriba

NEW MEXICO

15. DATE
SPUDDED
10/27/1990

16. DATE T.D.
REACHED
11/21/1990

17. DATE COMPLETED (READY TO PRODUCE)
7/17/1998

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6365'GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
3178'

21. PLUG, BACK T.D., MD & TVD
3163'

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 FT COAL 3049' TO 3137'

25. WAS DIRECTIONAL SURVEY MADE

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" K-55	36#	438'	12-1/4"	400 SX - SURFACE	
7" K-55	20#	2958'	8-3/4"	630 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2" J-55	2821'	3177'	100 SX		2-3/8"	3093'	

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

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3049' - 3137'	1 st frac: 12,000# 20/40 sand in 20# X-linked borate gel and 70 quality foam.
	2 nd frac: 70,000# 20/40 sand with 20# X-linked borate gel in 70 quality foam.

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing				WELL STATUS (PRODUCING OR SHUT IN) SHUT IN	
DATE OF TEST 7/21/1998	TESTED 45 mins	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF 0	WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS 0#	CASING PRESSURE 236#	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF TSTM	WATER - BBL	OIL GRAVITY-API (COR

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

TEST WITNESSED BY: CHIEF CHALEY

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 Susan Griguhn

TITLE Drilling Clerk

DATE August 10, 1998

AUG 27 1998

FARMINGTON DISTRICT OFFICE

NMCOB

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	2315'	2445'						
KIRTLAND	2445'	2875'						
FRUITLAND	2875'	3140'						
PICTURED CLIFFS	3140'							

ROSA UNIT #238 FRUITLAND COAL

Location:
2270' FSL and 1840' FEL
NW/4 SE/4 Sec 3, T31N R6W
Rio Arriba, New Mexico
Elevation: 6365' GR

Top	Depth
Ojo Alamo	2315'
Kirtland	2445'
Fruitland	2875'
Pictured Cliffs	3140'

Frac and Stimulation

7-09-1998: Frac with 12,000# 20/40 sand in 20# X-linked borate gel and 70 quality nitrogen foam.

7-11-1998: Frac with 70,000# 20/40 with 20# X-link borate gel in 70 quality foam.

