

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

5. LEASE DESIGNATION AND LEASE NO.

SF-078764

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #221

9. API WELL NO.

30-039-24500

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA

A SEC 18-31N-5W

12. CNTY OR PARISH

RIO ARriba

13. STATE

NM

19. ELEVATION CASINGHEAD

ROTARY TOOLS

X

CABLE TOOLS

N/A

25. WAS DIRECTIONAL SURVEY MADE
NO

27. WAS WELL CORED
NO

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 37-3 TULSA, OK 74101 (918) 561-6678

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 990' FNL & 1260' FEL

At top production interval reported below : SAME At total depth: SAME

14. PERMIT NO.

DATE ISSUED

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

6460' GR

15. DATE
SPUDDED

09/18/90

16. DATE T.D.
REACHED

09/21/90

17. DATE COMPLETED
(READY TO PRODUCE)

5/27/91*

20. TOTAL DEPTH, MD & TVD

3380'

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

3365'

22. IF MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

26. TYPE ELECTRIC AND OTHER LOGS RUN
MICROLOG, DIL, NEUTRON, LITHO-DENSITY, NGT, MUD LOG

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#	222' 240'	12-1/4"	SURFACE	N/A
7" K-55	23#	3174'	8-3/4"	SURFACE	N/A

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2" k-55	2981'	3379'	100X	N/A	N/A	N/A	N/A

30. TUBING RECORD

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

3204' - 3337' - total shots - 164 shots

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

DEPTH AMOUNT AND KIND OF MATERIAL USED

N/A

N/A

N/A

N/A

33. OIL CON. DIV. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SHUT IN)	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
05/27/90*							
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)

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

TO BE SOLD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS:

WELLBORE DIAGRAM

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

SIGNED

Barbara Kimbrell

TITLE SR. OFFICE ASSISTANT

DATE

August 14, 1996

ACCEPTED FOR RECORD

AUG 23 1996

* THIS WELL HAS BEEN PERFORATED, BUT HAS NOT BEEN FRACTURE STIMULATED. PLAN TO REVIEW AND COMPLETE IN 1997.

FARMINGTON DISTRICT OFFICE

BY

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):

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GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
OJO ALAMO KIRKLAND FRUITLAND PICTURED CLIFFS	2590' 2720' 3130' 3325'	2720' 3130' 3325' N/A					

WELLBORE DIAGRAM

ROSA #221

990' FNL 1260' FEL
18-31N-5W
Rio Arriba Co, NM

Elevation: 6460' GL
KB 12'

