

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

(See other  
instructions on  
reverse side)

RECEIVED  
BLM MAIL ROOM

5. LEASE DESIGNATION AND LEASE NO. SF-  
078773

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 \_\_\_\_\_

55 OCT 30 PM 2:21

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME  
ROSA UNIT (00017033)

2. NAME OF OPERATOR  
WILLIAMS PRODUCTION COMPANY

070 FARMINGTON, NM

8. FARM OR LEASE NAME, WELL NO.  
ROSA UNIT #77A

3. ADDRESS AND TELEPHONE NO.  
P.O. BOX 3102 MS 37-4 TULSA, OK 74101 (918) 588-4592

9. API WELL NO.  
25515  
30-039-22215

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
1850' FSL & 895' FEL  
At Surface 1525' S 117° E  
At top production interval reported below  
At total depth

10. FIELD AND POOL, OR WILDCAT  
BASIN DAKOTA 71599

11. SEC., T., R., M., OR BLOCK AND SURVEY  
OR AREA  
NE/4 SE/4 SEC. 33, T31N R5W

14. PERMIT  
NO.

DATE ISSUED

12. COUNTY OR  
PARISH  
RIO ARriba

13. STATE  
N MEXICO

15. DATE  
SPUDED  
06/20/95

16. DATE T.D.  
REACHED  
06/29/95

17. DATE COMPLETED  
(READY TO PRODUCE)  
09/07/95

18. ELEVATIONS (DK, RKB,  
RT, GR, ETC.)\*  
6503' GR

19. ELEVATION CASINGHEAD  
6503'

20. TOTAL DEPTH, MD & TVD  
8235'

21. PLUG, BACK T.D., MD & TVD  
8214'

22. IF  
MULTICOMP.,  
HOW MANY ?

23. INTERVALS  
DRILLED BY  
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ROTARY TOOLS  
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
BASIN DAKOTA 7995' TO 8205'

25. WAS DIRECTIONAL SURVEY MADE  
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN  
CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/CNL

27. WAS WELL CORED  
NO

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

| CASING<br>SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEMENTING RECORD |             |         | AMOUNT PULLED |
|----------------------|-----------------|----------------|-----------|---------------------------------|-------------|---------|---------------|
| 10-3/4" H-40         | 32.75#          | 330'           | 13-3/4"   | 215 SX                          | 254 cu.ft.  | SURFACE |               |
| 7-5/8" K-55          | 26.4#           | 3795'          | 9-7/8"    | 871 SX                          | 1585 cu.ft. | SURFACE |               |

29. LINER RECORD

| SIZE        | TOP (MD) | BOTTOM (MD) | SACKS CEMENT*       | SCREEN (MD) | SIZE         | DEPTH SET (MD) | PACKER SET (MD) |
|-------------|----------|-------------|---------------------|-------------|--------------|----------------|-----------------|
| 5-1/2" N-80 | 3000     | 8235'       | 445 SX (610 cu.ft.) |             | 1-1/2", 2.9# | 8089'          | 8100'           |

30. TUBING RECORD

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

1ST STAGE: 7995', 8000', 8010', 8045', 8050', 8055', 8060',  
8065', 8070', 8075', 8099', 8121'. TOTAL OF 14 HOLES.

2ND STAGE: 8199' and 8205' TOTAL OF 2 HOLES

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

| DEPTH INTERVAL (MD) |       | AMOUNT AND KIND OF MATERIAL USED |                                       |
|---------------------|-------|----------------------------------|---------------------------------------|
| 7995'               | 8121' | 100.804# 20/40 SAND              | 590 BBLs OF 30# Link Gel 60 Qual Foam |
| 8199'               | 8205' | 250 gals of 15% HCl              |                                       |

33. PRODUCTION

| DATE OF FIRST PRODUCTION  |                          | PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) |                        |                 |                   | WELL STATUS (PRODUCING OR SHUT IN) |                         |
|---------------------------|--------------------------|----------------------------------------------------------------------|------------------------|-----------------|-------------------|------------------------------------|-------------------------|
|                           |                          | FLOWING                                                              |                        |                 |                   | SHUT IN                            |                         |
| DATE OF TEST<br>6/21/95   | HOURS TESTED<br>3 HR. IP | CHOKE SIZE<br>3/4"                                                   | PROD'N FOR TEST PERIOD | OIL - BBL.<br>0 | GAS - MCF<br>330  | WATER - BBL.<br>0                  | GAS-OIL RATIO<br>N/A    |
| FLOW TUBING PRESS<br>197# | CASING PRESSURE<br>N/A   | CALCULATED 24-HOUR RATE<br>IP FLOWING PRESSURES                      |                        | OIL - BBL.<br>0 | GAS - MCF<br>2636 | WATER - BBL.<br>N/A                | OIL GRAVITY-API (CORR.) |

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

ACCEPTED FOR RECORD  
CHUCK CHARLEY

35. LIST OF ATTACHMENTS: LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.

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

SIGNED BOB MC ELHATTAN

Bob McElhattan

TITLE SR PRODUCTION ANALYST DATE October 24, 1995

FARMINGTON DISTRICT OFFICE

BY

OCT 31 1995

ROSA UNIT #77A

| 7. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and coarsens thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries); | 34. GEOLOGIC MARKERS |                |        |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------|--------|-----------------------------|
|                                                                                                                                                                                                                                                    | FORMATION            | TOP            | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|                                                                                                                                                                                                                                                    |                      | NAME           |        | TOP                         |
|                                                                                                                                                                                                                                                    |                      | MEASURED DEPTH |        | TRUE VERTICAL DEPTH         |
|                                                                                                                                                                                                                                                    | ACIMIENTO            |                |        |                             |
|                                                                                                                                                                                                                                                    | JO ALAMO             | 2626'          | 2636'  |                             |
|                                                                                                                                                                                                                                                    | URT LAND             | 2716'          | 2716'  |                             |
|                                                                                                                                                                                                                                                    | RUITLAND             | 3134'          | 3134'  |                             |
|                                                                                                                                                                                                                                                    | ICTURED CLIFFS       | 3197'          | 3197'  |                             |
|                                                                                                                                                                                                                                                    | LEWIS                | 3642'          | 3642'  |                             |
|                                                                                                                                                                                                                                                    | CLIFF HOUSE          | 5518'          | 5518'  |                             |
|                                                                                                                                                                                                                                                    | MEEFEE               | 5572'          | 5572'  |                             |
|                                                                                                                                                                                                                                                    | JOINT LOOKOUT        | 5792'          | 5792'  |                             |
|                                                                                                                                                                                                                                                    | ANCOS                | 6005'          | 6005'  |                             |
|                                                                                                                                                                                                                                                    | REENHORN             | 7820'          | 7820'  |                             |
|                                                                                                                                                                                                                                                    | ERANEROS             | 7873'          | 7873'  |                             |
|                                                                                                                                                                                                                                                    | AKOTA                | 7977'          | 7977'  |                             |
|                                                                                                                                                                                                                                                    | D                    | 8235'          | 8235'  |                             |