

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\*

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 37-2 TULSA, OK 74101 (918) 573-1234

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At Surface: 1070' FSL & 1070' FEL  
At top production interval reported below:  
At total depth:

5. LEASE DESIGNATION AND LEASE NO.  
SF-078764

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME  
ROSA UNIT

8. FARM OR LEASE NAME, WELL NO.  
ROSA UNIT #182A

9. API WELL NO.  
30-039-26285

10. FIELD AND POOL, OR WILDCAT  
BLANCO MV

11. SEC., T.R.M., OR BLOCK AND  
SURVEY OR AREA  
SE/4 SE/4 SEC 18-31N-5W

14. PERMIT NO. DATE

12. COUNTY OR  
RIO ARriba 13. STATE  
NEW MEXICO

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)\*  
6429' GR

19. ELEVATION CASINGHEAD

15. DATE  
SPUDDED  
06/03/2000

16. DATE T.D.  
REACHED  
06/09/2000

17. DATE COMPLETED (READY TO PRODUCE)  
07/14/2000

20. TOTAL DEPTH, MD & TVD  
6205' MD

21. PLUG, BACK T.D., MD & TVD  
6150' MD

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)\*  
BLANCO MV 4721' - 6070'

25. WAS DIRECTIONAL SURVEY MADE  
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN  
IND/GR & DEN/NEU/TEMP

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#            | 292'           | 12-1/4"   | 130 SX - SURFACE                |               |
| 7" K-55           | 20#            | 3777'          | 8-3/4"    | 605 SX - SURFACE                |               |

29. LINER RECORD

| SIZE   | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| 4-1/2" | 3643'    | 6205'       | 270 SX        |             | 2-3/8" | 6065'          |                 |

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

CH/Menefee: 4721', 29', 4829', 36', 82', 85', 5269', 76', 5500', 5502', 61', 64', 71', 80', 84', 88', 91', 94', 97', 5660', 62', 65', 67', 72', 75', 80', 83', 85', 5709', 21' and 23'. Total of 31 (0.38") holes  
Point Lookout: 5760', 63', 67', 69', 73', 77', 80', 83', 88', 90', 92', 95', 97', 5804', 10', 12', 14', 18', 21', 24', 27', 30', 32', 45', 47', 51', 54', 56', 69', 72', 5961', 67', 92', 94', 96', 6019', 36', 62' and 70'. Total of 39 (0.38") holes

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED            |
|---------------------|---------------------------------------------|
| 4721' - 5723'       | 80,000# 20/40 Sand in 1942 BBIs slick water |
| 5760' - 6070'       | 80,000# 20/40 Sand in 1924 BBIs slick water |

33. PRODUCTION

| DATE OF FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)<br>Flowing |                        |           |           | WELL STATUS (PRODUCING OR SI)<br>SI waiting on pipeline |                         |
|--------------------------|-----------------|---------------------------------------------------------------------------------|------------------------|-----------|-----------|---------------------------------------------------------|-------------------------|
| DATE OF TEST             | TESTED          | CHOKE SIZE                                                                      | PROD N FOR TEST PERIOD | OIL - BBL | GAS - MCF | WATER - BBL                                             | GAS-OIL RATIO           |
| 7/14/00                  | 3 hr            | 3/4"                                                                            |                        |           | 454       |                                                         |                         |
| FLOW TBG PRESS           | CASING PRESSURE | CALCULATED 24-HOUR RATE                                                         |                        | OIL - BBL | GAS - MCF | WATER - BBL                                             | OIL GRAVITY-API (CORR.) |
| 275                      | 905             |                                                                                 |                        |           | 3,628     |                                                         |                         |

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

TEST WITNESSED 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

Gracy Ross

TITLE Production Analyst

DATE August 3, 2000

ACCEPTED FOR RECORD

AUG 23 2000

FARMINGTON FIELD OFFICE  
BY

NMOCD

| 17. 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 |                     |  |  |
| FRUITLAND                                                                                                                                                                                                                                          | 3094' | 3326'  |                             |      |      |                |                     |  |  |
| PICTURED CLIFFS                                                                                                                                                                                                                                    | 3326' | 3467'  |                             |      |      |                |                     |  |  |
| LEWIS                                                                                                                                                                                                                                              | 3467' | 5485'  |                             |      |      |                |                     |  |  |
| CLIFF HOUSE                                                                                                                                                                                                                                        | 5485' | 5534'  |                             |      |      |                |                     |  |  |
| MENESEE                                                                                                                                                                                                                                            | 5534' | 5756'  |                             |      |      |                |                     |  |  |
| POINT LOOKOUT                                                                                                                                                                                                                                      | 5756' |        |                             |      |      |                |                     |  |  |

ROSA UNIT #182A  
BLANCO MESAVERDE

Location:  
1070' FSL and 1070' FEL  
SE/4 SE/4 Sec 18(P), T31N R05W  
Rio Arriba, New Mexico  
Elevation: 6429' GR

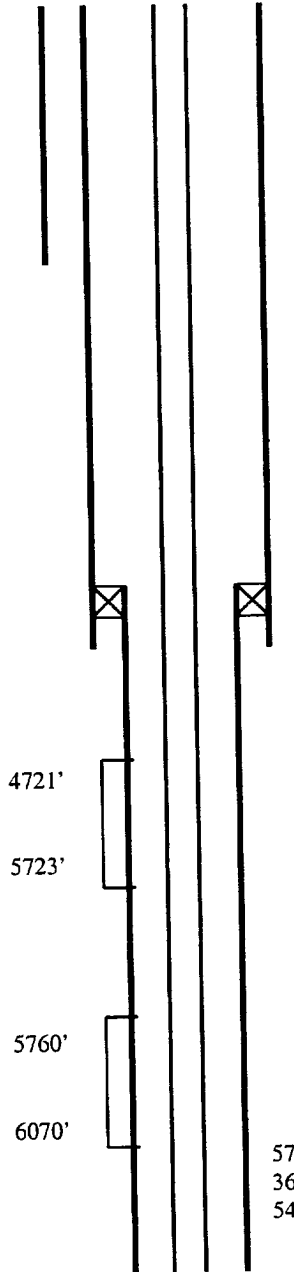
Spud date : 6/03/00  
Completed: 7/14/00

| <u>Top</u>      | <u>Depth</u> |
|-----------------|--------------|
| Pictured Cliffs | 3326'        |
| Lewis           | 3684'        |
| CliffHouse      | 5485'        |
| Menefee         | 5534'        |
| Point Lookout   | 5756'        |

**STIMULATION**

CliffHouse/Menefee: 4721' - 5723'  
(31, 0.38" holes) Frac with 80,000#  
20/40 sand in 1942 bbls slick water.

Point Lookout: 5760' - 6070' (39,  
0.38" holes) Frac with 80,000# 20/40  
sand in 1924 bbls slick water.



6 jts 9-5/8", 36#, K-55, ST&C csg. Landed @ 292'  
Cemented with 130 sx cmt

4 1/2" X 7" TIW liner hanger.  
TOL @ 3643'

81 jts 7", 20#, K-55, ST&C csg. Landed @ 3777'.  
Float @ 3730'. Cemented with 605 sx cmt.

193 jts 2-3/8", 4.7#, J-55, EUE, 8rd tbq w/  
1/2" mule shoe on bottom and SN 1 jt up.  
Landed @ 6065'

57 jts 4-1/2", 10.5#, K-55 ST&C csg. Landed @  
3643' - 6205'. Latch collar @ 6193' & marker jt @  
5421'. Cemented with 270 sx cmt

TD @ 6205'  
PBTD @ 6150'

| Hole Size | Casing        | Cement | Volume      | Top Of CMT       |
|-----------|---------------|--------|-------------|------------------|
| 12-1/4"   | 9-5/8", 36#   | 130 sx | 176 cu. ft. | surface          |
| 8-3/4"    | 7", 20#       | 605 sx | 1134 cu ft. | surface          |
| 6-1/4"    | 4-1/2", 10.5# | 270 sx | 391 cu. ft. | <del>8505'</del> |