

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 25-1 TULSA, OK 74101 (918) 573-6254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1425' FSL & 50' FWL
At top production interval reported below :
At total depth:

5. LEASE DESIGNATION AND LEASE NO.
SF-078766

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

NMMO 78 407A

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #160B

9. API WELL NO.
30-039-26962

10. FIELD AND POOL, OR WILDCAT
BLANCO MV

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NW/4 SW/4 SEC 25-31N-6W

12. COUNTY OR
RIO ARriba

13. STATE
NEW MEXICO

15. DATE
SPUDDED
07/11/2003

16. DATE T.D.
REACHED
07/21/2003

17. DATE COMPLETED (READY TO PRODUCE)
09/26/2003

14. PERMIT NO.
DATE ISSUED
MAR 2004
OIL CONS. DIV.
DIST. 3

18. ELEVATIONS (DK. RKB, RT, GR, ETC.)*
6410' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
8028' MD

21. PLUG, BACK T.D., MD & TVD
8000' MD

22. IF MULTICOMP.,
HOW MANY
2

23. INTERVALS
DRILLED BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BLANCO MV 5161' - 5945'

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 |
|-------------------|----------------|----------------|-----------|---------------------------------|---------------|
| 10-3/4" J-55 | 40.5# | 256' | 14-3/4" | 240 SX - SURFACE | |
| 7-5/8" K-55 | 26.4# | 3695' | 9-7/8" | 650 SX - 555' | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------|-------------|---------------|-------------|---------|----------------|-----------------|
| 5-1/2" | 0' | 8025' | 280 SX | | 2-1-16" | 5932' | 6038' |

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

CH/Menefee: 5161', 64', 71', 79', 5207', 5348', 97', 5407', 28', 58', 64', 70', 80', 5503', 06', 16', 26', 34', 42', 50', 58', 62', 66', 68', 74', 78', 86', 92', 99', 5604' and 07'. Total of 31 (0.33") holes
Point Lookout: 5643', 47', 50', 54', 60', 64', 67', 70', 86', 88', 92', 98', 5703', 07', 13', 19', 24', 32', 40', 45', 56', 62', 67', 78', 83', 5805', 12', 22', 47', 65', 82', 93', 5913', 26' and 45'. Total of 35 (0.33") holes

| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | AMOUNT AND KIND OF MATERIAL USED |
|--|---------------------------------------|
| DEPTH INTERVAL (MD) | |
| 5161' - 5607' | 80,000# 20/40 Sand in 1892 bbls fluid |
| 5643' - 5945' | 80,600# 20/40 Sand in 1860 bbls fluid |

33. PRODUCTION

| DATE OF FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing | | | | WELL STATUS (PRODUCING OR SI) SI waiting on pipeline | |
|--------------------------|-----------------|---|------------------------|-----------|-----------|---|-------------------------|
| DATE OF TEST | TESTED | CHOKE SIZE | PROD'N FOR TEST PERIOD | OIL - BBL | GAS - MCF | WATER - BBL | GAS-OIL RATIO |
| 10/08/03 | 3 hr | 3/4" | 3 hrs | | 366 | | |
| FLOW TBG PRESS | CASING PRESSURE | CALCULATED 24-HOUR RATE | | OIL - BBL | GAS - MCF | WATER - BBL | OIL GRAVITY-API (CORR.) |
| 220 | 840 | | | | 2,926 | | |

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 Tracy Ross

TITLE Production Analyst

DATE October 27, 2003

ACCEPTED FOR RECORD

FFR 2, 6 2004

FARMINGTON FIELD OFFICE

NMOCD

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| 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 |
| <div> <div>2963'</div> <div>3222'</div> <div>3566'</div> <div>5068'</div> <div>5433'</div> <div>5635'</div> <div>5987'</div> <div>7855'</div> </div> | | | | | | FRUITLAND | 2963' | |
| | | | | | | PICTURED CLIFFS | 3222' | |
| | | | | | | LEWIS | 3566' | |
| | | | | | | CLIFFHOUSE | 5068' | |
| | | | | | | MENEFEE | 5433' | |
| | | | | | | POINT LOOKOUT | 5635' | |
| | | | | | | MANCOS | 5987' | |
| | | | | | | DAKOTA | 7855' | |