

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  
PLM

5. LEASE DESIGNATION AND LEASE NO.  
SF-078767

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\* PM 2:37

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) 361-6678 OCT - 8 1998

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At Surface 840' FSL & 1055' FWL  
At top production interval reported below: At total depth:  
790 1055

7. UNIT AGREEMENT NAME  
ROSA UNIT

FARM OR LEASE NAME, WELL NO.  
ROSA UNIT #154

API WELL NO.  
30-039-25878 25893

10. FIELD AND POOL, OR WILDCAT  
BLANCO MV

11. SEC., T.R.M., OR BLOCK AND  
SURVEY OR AREA  
SE/4 SW/4 SEC 7-31N-5W

12. COUNTY OR  
RIO ARRIBA  
13. STATE  
NEW MEXICO

15. DATE  
SPUDDED  
7-06-1998  
16. DATE T.D.  
REACHED  
7-15-1998  
17. DATE COMPLETED (READY TO PRODUCE)  
9-05-1998

14. PERMIT NO.  
DATE ISSUED  
6481'GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
6341'

21. PLUG, BACK T.D., MD & TVD  
6319'

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 5332' - 6178'

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN  
IES/GR, CDL/CNL/TEMP and 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#            | 283'           | 12-1/4"   | 150 SX - SURFACE                |               |
| 7" K-55           | 20#            | 3792'          | 8-3/4"    | 685 SX - SURFACE                |               |
|                   |                |                |           |                                 |               |

29. LINER RECORD

| SIZE   | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| 4-1/2" | 3671'    | 6341'       | 315 sx        |             | 2-3/8" | 6197'          |                 |

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

CH/Menefee: 5332', 36', 50', 52', 96', 5482', 84', 5508', 28', 72', 75', 78', 5608', 10', 22', 24', 28', 30', 32', 34', 38', 40', 5736', 40', 44', 46', 48', 50', 52', 54', 56' and 58'. Total of 32 (0.38") holes.  
Pt Lookout: 5806', 10', 14', 18', 22', 26', 30', 34', 38', 42', 46', 52', 56', 60', 64', 67', 70', 78', 80', 86', 90', 94', 5906', 10', 14', 18', 20', 31', 36', 38', 54', 56', 76', 94', 6016', 28', 32', 64', 68', 84', 88', 6142', 44', 62' and 78'. Total of 45 (0.38") holes.

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED            |
|---------------------|---------------------------------------------|
| 5332' - 5758'       | 80,600# 20/40 Sand in 2271 BBIs slick water |
| 5806' - 6178'       | 81,000# 20/40 Sand in 2188 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>SHUT IN |                      |
|--------------------------|-----------------|---------------------------------------------------------------------------------|------------------------|------------|-----------|------------------------------------------|----------------------|
| DATE OF TEST             | TESTED          | CHOKE SIZE                                                                      | PROD'N FOR TEST PERIOD | OIL - BBL. | GAS - MCF | WATER - BBL.                             | GAS-OIL RATIO        |
| 9-20-1998                | 3 HRS           |                                                                                 |                        |            | 579       |                                          |                      |
| FLOW TBG PRESS           | CASING PRESSURE | CALCULATED 24-HOUR RATE                                                         |                        | OIL - BBL. | GAS - MCF | WATER - BBL.                             | OIL GRAVITY-API (COR |
| 348#                     | 859#            |                                                                                 |                        |            | 4634      |                                          |                      |

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

TEST WITNESSED BY: CHIK 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 Griguin *S Griguin* TITLE Drilling Clerk

DATE September 22, 1998

ACCEPTED FOR RECORD

OCT 06 1998

FARMINGTON DISTRICT OFFICE

NMOC

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, core 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       | 2590' | 3176'  |                             |      |      |                |                     |
| FRUITLAND       | 3176' | 3350'  |                             |      |      |                |                     |
| PICTURED CLIFFS | 3350' | 3648'  |                             |      |      |                |                     |
| LEWIS           | 3648' | 5553'  |                             |      |      |                |                     |
| CLIFF HOUSE     | 5553' | 5598'  |                             |      |      |                |                     |
| MENEFEE         | 5598' | 5797'  |                             |      |      |                |                     |
| POINT LOOKOUT   | 5797' | 6236'  |                             |      |      |                |                     |
| MANCOS          | 6236' |        |                             |      |      |                |                     |

# ROSA UNIT #154 BLANCO MESAVERDE

Location: 840' FSL, 1095' FWL  
SE/4 SW/4 Section 7N, T31N, R5W  
Rio Arriba Co., NM

Elevation: 6481' GR  
KB = 12'

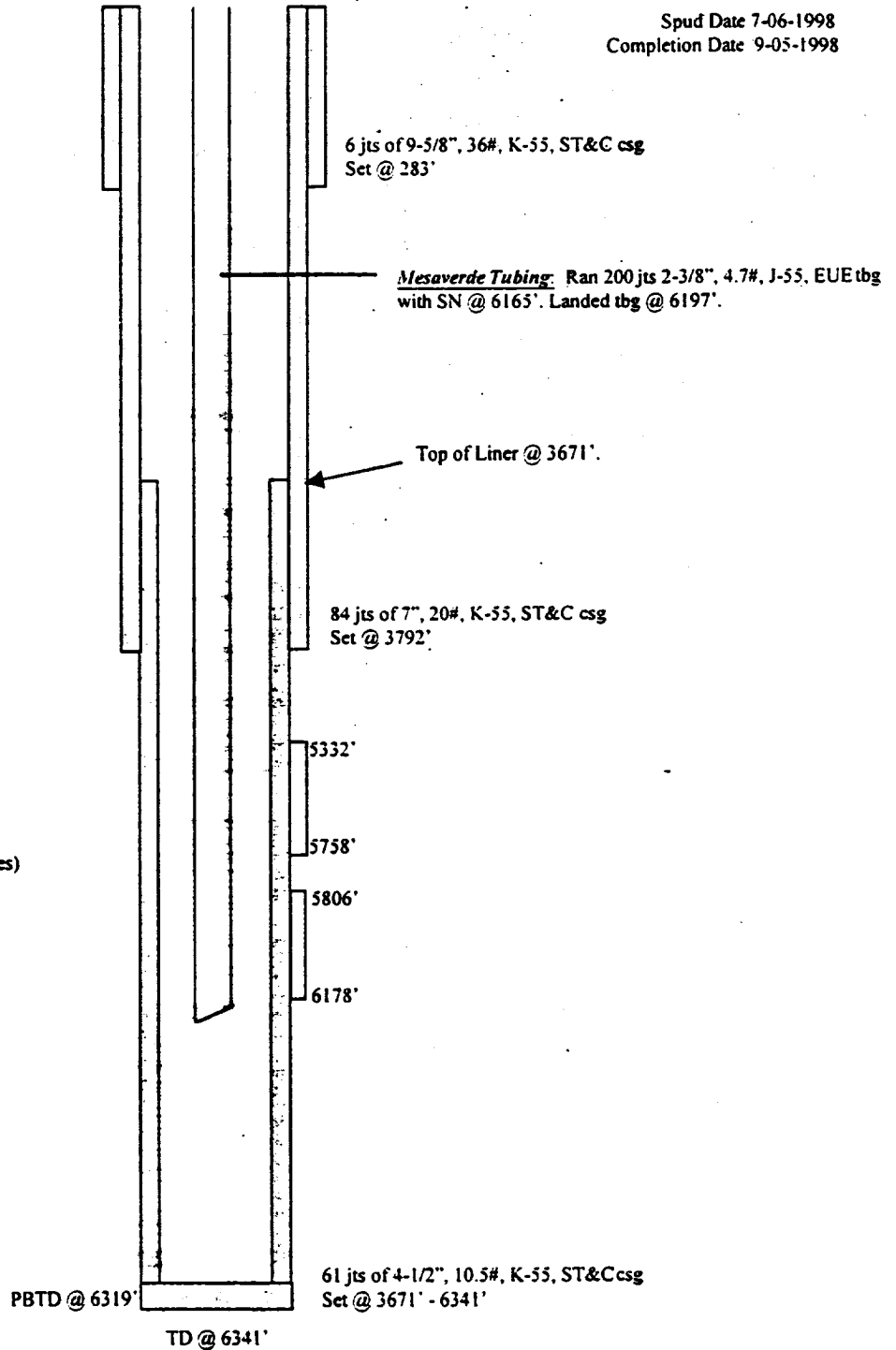
Spud Date 7-06-1998  
Completion Date 9-05-1998

| Tops            | Depth |
|-----------------|-------|
| Kirtland        | 2703' |
| Fruitland       | 3176' |
| Pictured Cliffs | 3350' |
| Cliff House     | 5553' |
| Point Lookout   | 5797' |
| Mancos          | 6236' |

## STIMULATION

CliffHouse/Menefee 5332' - 5758' (32, 0.38" holes)  
80,600# of 20/40 sand in 2271 BBI's slick water.

Point Lookout 5806' - 6178' (45, 0.38" holes)  
81,000# of 20/40 sand in 2188 BBI's slick water.



| HOLE SIZE | CASING   | CEMENT  | CMT TOP     |
|-----------|----------|---------|-------------|
| 12 - 1/4" | 9 - 5/8" | 150 s x | SURFACE     |
| 8 - 3/4"  | 7"       | 685 s x | SURFACE     |
| 6 - 1/4"  | 4 - 1/2" | 315 s x | 3671' (CBL) |