

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

5. LEASE DESIGNATION AND LEASE NO.
SF-078769

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME
ROSA UNIT

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #31B

9. API WELL NO.
30-039-26579

10. FIELD AND POOL, OR WILDCAT
BLANCO MV

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NW/4 NW/4 SEC 17-31N-5W

12. COUNTY OR
RIO ARRIBA

13. STATE
NEW MEXICO

19. ELEVATION CASINGHEAD

ROTARY TOOLS
x

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE
YES

27. WAS WELL CORED
NO

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) 573-6211

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 570' FNL & 515' FWL
At top production interval reported below:
At total depth:

14. PERMIT NO.

DATE ISSUED

15. DATE
SPUDDED
08/28/2001

16. DATE T.D.
REACHED
09/09/2001

17. DATE COMPLETED (READY TO PRODUCE)
11/23/2001

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6315' GR

20. TOTAL DEPTH, MD & TVD
8049' MD

21. PLUG, BACK T.D., MD & TVD
8025' MD

22. IF MULTICOMP.,
HOW MANY
2

23. INTERVALS
DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BLANCO MV 4887' - 5910'

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

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" K-55	40#	502'	14-3/4"	460 SX - SURFACE	
7-5/8" K-55	26.4#	3669'	9-7/8"	835 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	0'	8049'	290 SX		2-1/16"	5930'	6100'

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

CH/Menefee: 4887', 5164', 5370', 5403', 08', 11', 19', 23', 26', 31', 35', 39', 44', 49', 52', 58', 60', 75', 78', 81', 5524', 34', 38', 46', 48', 53', 59', 62', 64', 68', 91', 94', 5600' and 02'. Total of 34 (0.38") holes
Point Lookout: 5653', 54', 56', 58', 61', 69', 74', 81', 83', 85', 88', 94', 5696', 98', 5714', 16', 18', 35', 43', 47', 49', 56', 58', 62', 88' and 5910'. Total of 26 (0.38") holes

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

4887' - 5602' 80,000# 20/40 Sand in 1883 bbls slick water

5653' - 5910' 80,000# 20/40 Sand in 1893 bbls slick water

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
12/07/01	3 hr	3/4"			398		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
240	930				3,182		

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

TEST WITNESSED BY: LARRY HIGGINS

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

Dec 27 2001

JOH RECORD

DEC 27 2001

FARMINGTON FIELD
AN

NMOOD

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, casing used, time tool open, flowing and shut-in pressures, and recoveries):					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					NAME	TRUE VERTICAL DEPTH	
PICTURED CLIFFS LEWIS CLIFFHOUSE MENEREE POINT LOOKOUT MANCOS DAKOTA	31833'	3599'					
	3599'	5353'					
	5353'	5439'					
	5439'	5652'					
	5652'	6137'					
	6137'	7869'					
	7869'						

ROSA UNIT #31B **BLANCO MV/BASIN DK**

Location: 570' FNL, 515' FWL
 NW/4 NW/4 Section 17(D), T31N, R5W
 Rio Arriba Co., NM

Elevation: 6315' GR

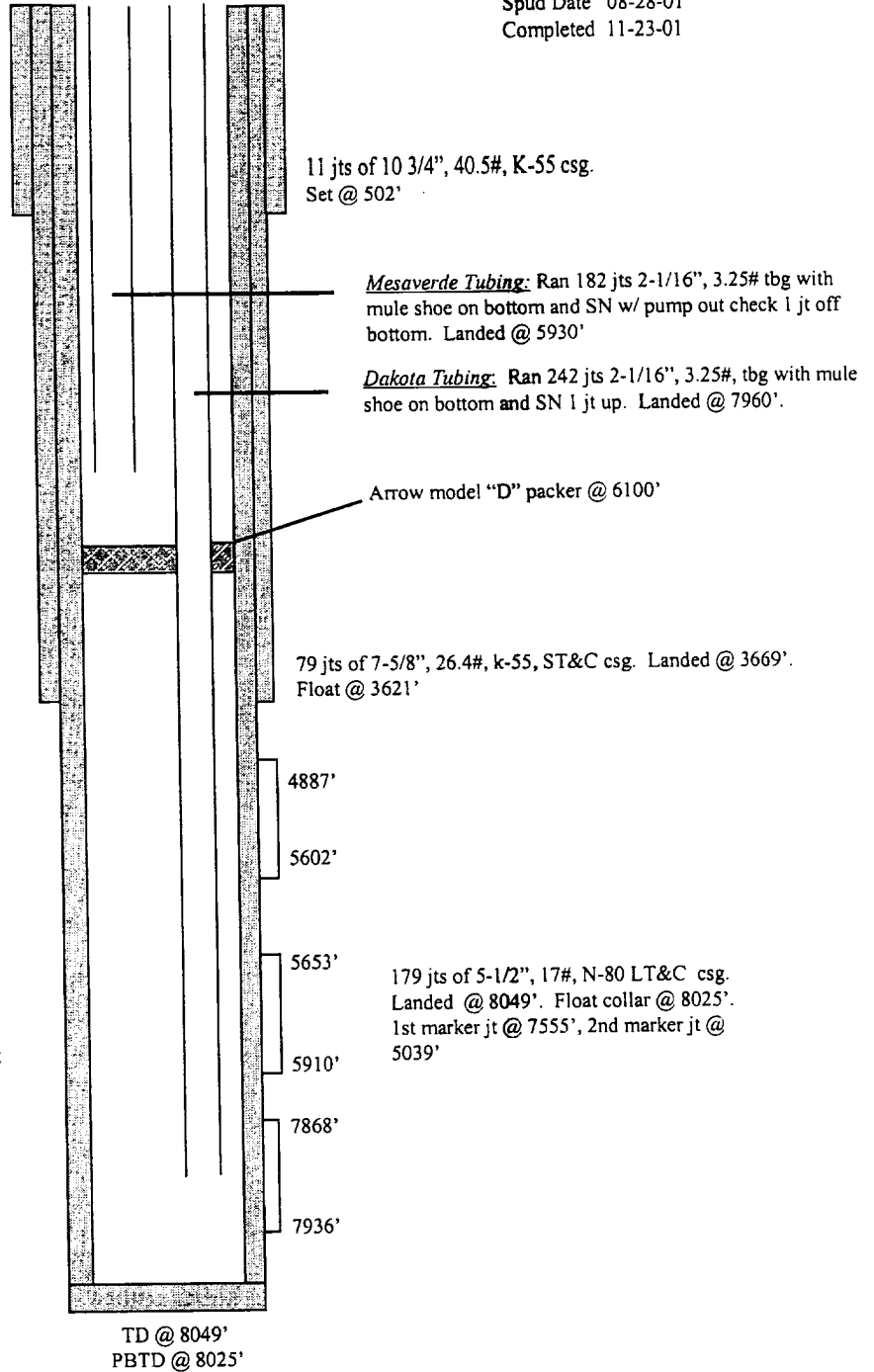
Spud Date 08-28-01
 Completed 11-23-01

<i>Tops</i>	<i>Depth</i>
Kirtland	2557'
Pictured Cliffs	3183'
Cliff House	5353'
Point Lookout	5652'
Mancos	6137'
Dakota	7869'

CliffHouse/Menefee 4887' - 5602' (34, 0.38" holes)
 80,000# of 20/40 sand in 1983 BBI's slick water.

Point Lookout 5653' - 5910' (26, 0.38" holes)
 80,000# of 20/40 sand in 1893 BBI's slick water.

Dakota 7868' - 7936' (17, 0.38" holes)
 80,000# of 20/40 Acfrac SB Excel resin coated proppant



HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
14 3/4"	10 3/4"	460 sx	640 cu.ft.	462'
9 7/8"	7 5/8"	835 sx	1573 cu.ft.	3617'
6 3/4"	5 1/2"	290 sx	578 cu.ft.	3100'