

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)

5. LEASE DESIGNATION AND LEASE NO.
SF-078766

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG* PH 3: 30

7. UNIT AGREEMENT NAME
ROSA UNIT

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

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

3. ADDRESS AND TELEPHONE NO.
P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 561-6254

9. API WELL NO.
30-039-25890

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface 1250' FSL & 790' FEL
At top production interval reported below : At total depth:

10. FIELD AND POOL, OR WILDCAT
BLANCO MV

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

12. COUNTY OR
RIO ARRIBA
13. STATE
NEW MEXICO

14. PERMIT NO.
15. DATE
SPUDDED
8-31-1998
16. DATE T.D.
REACHED
9-08-1998
17. DATE COMPLETED (READY TO PRODUCE)
9-30-1998
18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6438' GR
19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
6220'
21. PLUG, BACK T.D., MD & TVD
6185'
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 5172' - 6003'

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES/GR and CNL/CDL

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#	269'	12-1/4"	150 SX - SURFACE	
7" K-55	20#	3720'	8-3/4"	685 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3562'	6220'	315 sx		2-3/8"	5963'	

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

CH/Menefee: 5172', 5228', 30', 50', 92', 96', 5365', 5408', 26', 63', 69', 72', 75', 94', 96', 5506', 10', 14', 16', 18', 24', 27', 30', 34', 36', 38', 43', 46', 81', 5601', 04', 07', 10', 13' and 16'. Total of 35 (0.38") holes.
Pt Lookout: 5678', 82', 86', 90', 94', 98', 5702', 06', 10', 14', 18', 22', 26', 30', 34', 38', 42', 46', 50', 58', 62', 66', 70', 74', 78', 82', 86', 90', 94', 97', 5800', 03', 06', 14', 22', 24', 38', 42', 46', 55', 60', 65', 84', 88', 5909', 26', 46', 58', 90' and 6003'. Total of 50 (0.38") holes.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5172' - 5616'	78,000# 20/40 Sand in 2050 BBIs slick water
5678' - 6003'	82,000# 20/40 Sand in 2790 BBIs 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) SHUT IN	
DATE OF TEST 10-13-1998	TESTED 3 HRS	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF 470	WATER - BBL.	GAS-OIL RATIO
FLOW TBG PRESS 284#	CASING PRESSURE 746#	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF 3756	WATER - BBL.	OIL GRAVITY-API (COR)

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

TITLE Drilling Clerk

DATE October 21, 1998

ACCEPTED FOR RECORD

10/21/1998

FARMINGTON DISTRICT OFFICE

NMOCD

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		TRUE VERTICAL DEPTH		
					NAME	MEASURED DEPTH			
KIRTLAND	2655'	3035'							
FRUITLAND	3035'	3270'							
PICTURED CLIFFS	3270'	5445'							
CLIFF HOUSE	5445'	5705'							
POINT LOOKOUT	5705'	6220'							
MANCOS	6220'								

ROSA UNIT #160 BLANCO MESAVERDE

Location: 1250' FSL, 790' FEL
SE/4 SE/4 Section 250, T31N, R6W
Rio Arriba Co., NM

Elevation: 6438' GR
KB = 12'

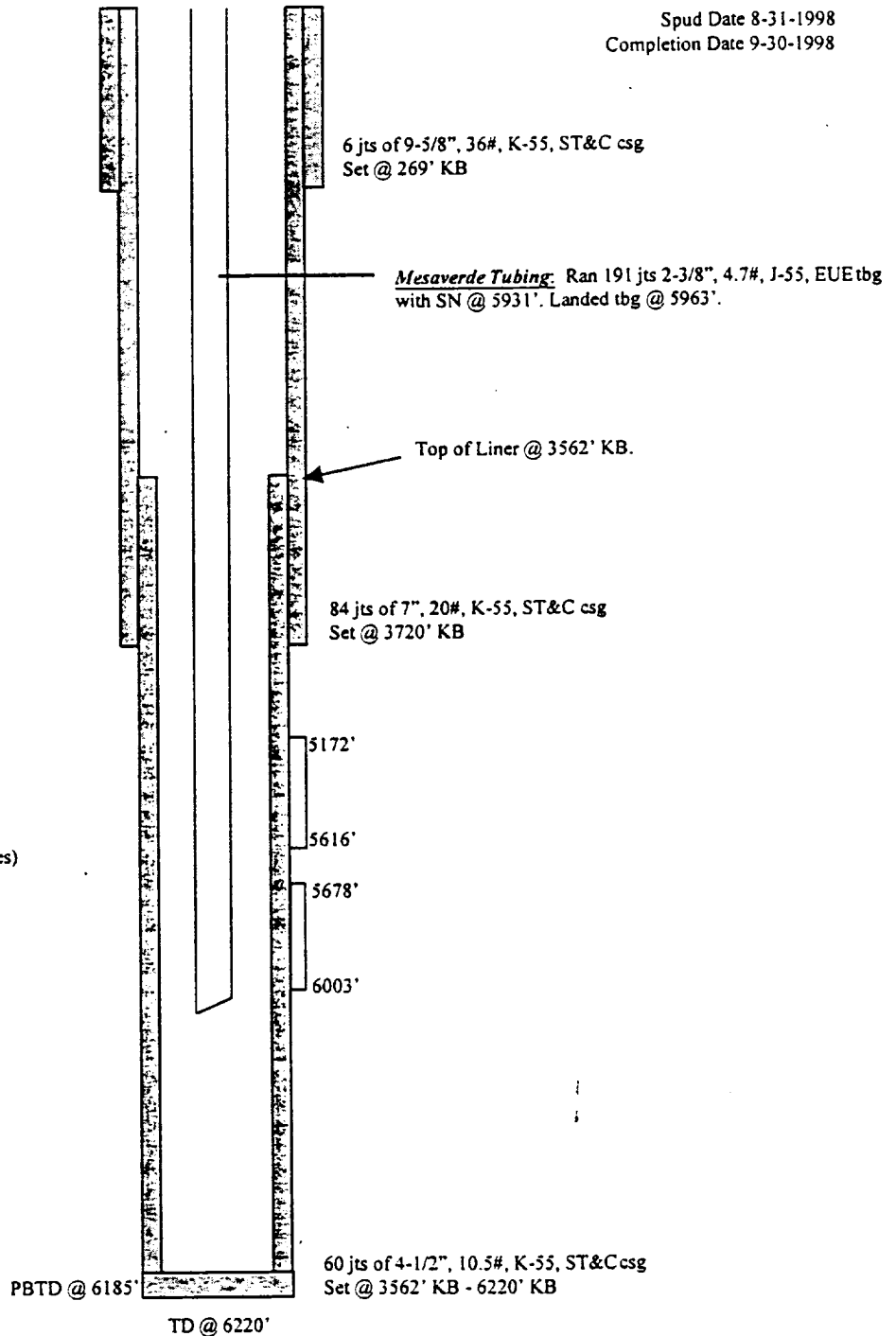
Spud Date 8-31-1998
Completion Date 9-30-1998

Tops	Depth
Kirtland	2655'
Fruitland	3035'
Pictured Cliffs	3270'
Cliff House	5445'
Point Lookout	5705'
Mancos	6220'

STIMULATION

Cliff House/Menefee 5172' - 5616' (35, 0.38" holes)
78,000# of 20/40 sand in 2050BBI's slick water.

Point Lookout 5678' - 6003' (50, 0.38" holes)
82,000# of 20/40 sand in 2790 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)