

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

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) 561-6254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At Surface 1025' FSL & 1845' FWL
At top production interval reported below: At total depth:

7. UNIT AGREEMENT NAME
ROSA UNIT

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #170

9. API WELL NO.
30-039-25851

10. FIELD AND POOL, OR WILDCAT
BLANCO MV

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
SE/4 SW/4 SEC 21-31N-6W

12. COUNTY OR
RIO ARriba

13. STATE
NEW MEXICO

15. DATE
SPUDDED
7-251998

16. DATE T.D.
REACHED
8-01-1998

17. DATE COMPLETED (READY TO PRODUCE)
9-21-1998

14. PERMIT NO.
DATE ISSUED
6371'GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
6175'

21. PLUG, BACK T.D., MD & TVD
6152'

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 4430' - 5969'

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
IND/GR and 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#	502'	12-1/4"	300 SX - SURFACE	
7" K-55	20#	3705'	8-3/4"	670 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3582'	6175'	310 sx		2-3/8"	5993'	

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

CH/Menefee: 4430', 34', 40', 44', 48', 68', 72', 4552', 62', 70', 76', 84', 5126', 30', 50', 93', 97', 5253', 5329', 64', 66', 70', 73', 76', 5408', 11', 14', 17', 20', 23', 26', 43', 46', 60', 63', 66', 69', 72', 86', 88', 94' and 97'. Total of 42 (.38") holes.

Pt Lookout: 5584', 91', 96', 5624', 66', 69', 72' 75', 78', 80', 83', 88', 91', 94', 98', 5700', 03', 06', 14', 17', 20', 28', 31', 34', 37', 40', 52', 64', 84', 90', 98', 5802', 20', 34', 44', 48', 52', 68', 71', 80', 98', 5918', 28', 43', 62' and 69'. Total of 46 (0.38") holes..

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4430'- 5497'	80,000# 20/40 Sand in 2108 BBIs slick water
5584' - 5969'	81,000# 20/40 Sand in 2520 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	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL.	GAS-OIL RATIO
10/3/1998	3 HRS				533		
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL.	OIL GRAVITY-API (COR
322#	771#				4263		

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 Griguah

TITLE Drilling Clerk

DATE October 3, 1998

ACCEPTED FOR RECORD

OCT 20 1998

FARMINGTON DISTRICT OFFICE

BY

NMOC

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	
OJO ALAMO	2374'	3009'						
FRUITLAND	3009'	3240'						
PICTURED CLIFFS	3240'	3519'						
LEWIS	3519'	5351'						
CLIFF HOUSE	5351'	5392'						
MENEFEE	5392'	5662'						
POINT LOOKOUT	5662'	6117'						
MANCOS	6117'							

ROSA UNIT #170 BLANCO MESAVERDE

Location: 1025' FSL, 1845' FWL
SE/4 SW/4 Section 21N, T31N, R6W
Rio Arriba Co., NM

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

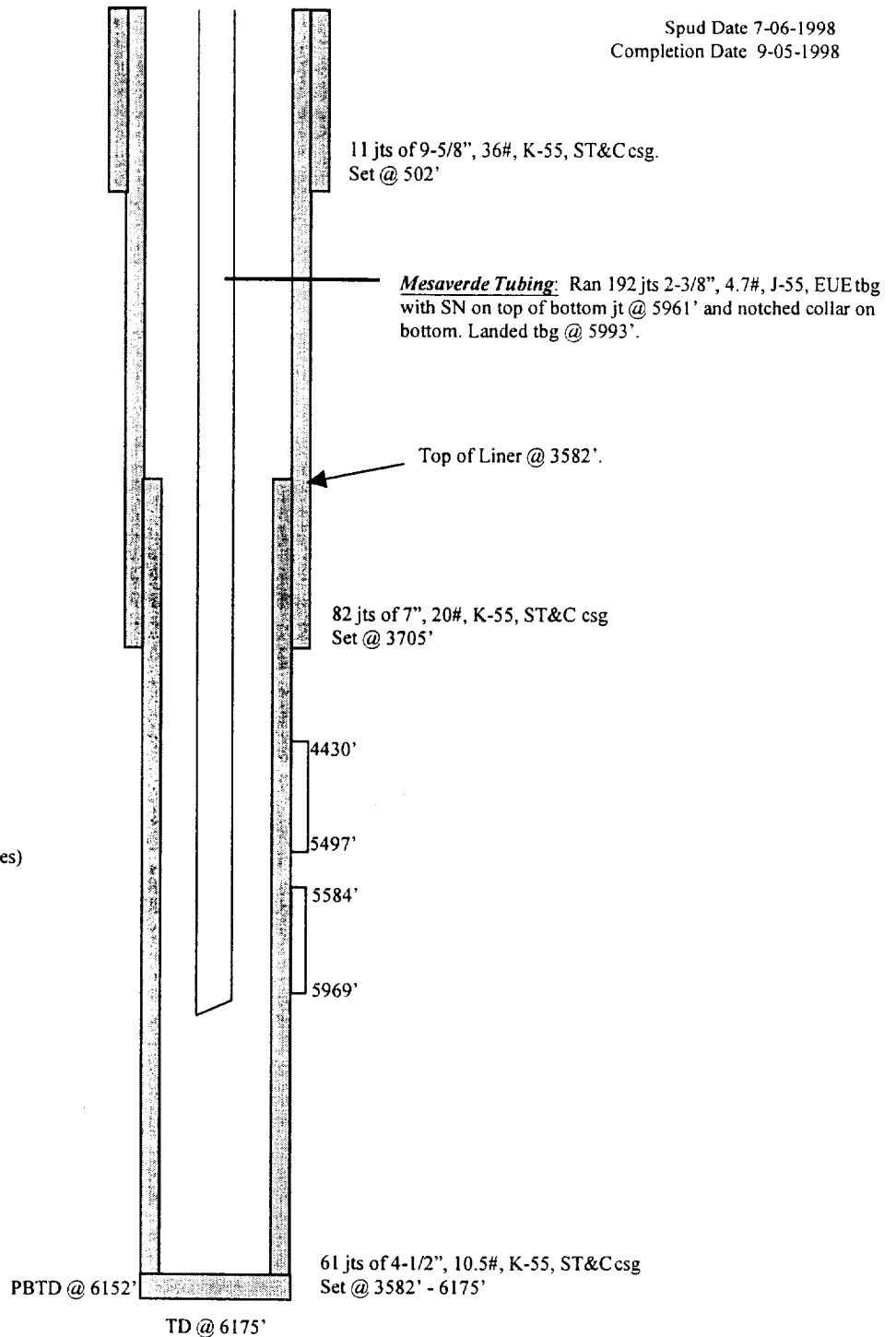
Elevation: 6371' GR
KB = 12'

<i>Tops</i>	<i>Depth</i>
Kirtland	2491'
Fruitland	3009'
Pictured Cliffs	3240'
Cliff House	5351'
Point Lookout	5662'
Mancos	6117'

STIMULATION

Cliff House/Menefee 4430' - 5497' (42, 0.38" holes)
80,000# of 20/40 sand in 2108 BBI's slick water.

Point Lookout 5584' - 5969' (46, 0.38" holes)
81,000# of 20/40 sand in 2520 BBI's slick water.



HOLE SIZE	CASING	CEMENT	CMT TOP
12 - 1/4 "	9 - 5/8 "	3 0 0 s x	S U R F A C E
8 - 3/4 "	7 "	6 7 0 s x	S U R F A C E
6 - 1/4 "	4 - 1/2 "	3 1 0 s x	3 5 8 2' (C B L)