

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* 1: 54

1a. TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____		7. UNIT AGREEMENT NAME ROSA UNIT	
b. TYPE OF COMPLETION: ☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____		8. FARM OR LEASE NAME, WELL NO. ROSA UNIT #149B	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY		9. API WELL NO. 30-039-26599	
3. ADDRESS AND TELEPHONE NO. P.O. BOX 3102 MS 37-2 TULSA, OK 74101 (918) 573-2234		10. FIELD AND POOL, OR WILDCAT BASIN DK	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At Surface: 1440' FNL & 355' FWL At top production interval reported below: At total depth:		11. SEC., T.R.M., OR BLOCK AND SURVEY OR AREA SW/4 NW/4 SEC 12-31N-6W	
14. PERMIT NO. _____		DATE ISSUED DEC 2001	
15. DATE SPUDDED 09/19/2001		16. DATE T.D. REACHED 09/28/2001	
17. DATE COMPLETED (READY TO PRODUCE) 11/17/2001		18. ELEVATIONS (DK, RKB, RT, GR, ETC.) 6421' GR	
19. ELEVATION CASINGHEAD		12. COUNTY OR RIO ARriba	
13. STATE NEW MEXICO		20. TOTAL DEPTH, MD & TVD 8133' MD	
21. PLUG, BACK T.D., MD & TVD 8108' MD		22. IF MULTICOMP., HOW MANY 2	
23. INTERVALS DRILLED BY		ROTARY TOOLS x	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAVL(MD) AND TVD)* BASIN DK 7956' - 8095'		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" H-40	32.75#	506'	14-3/4"	475 SX - Surface	
7-5/8" K-55	26.4#	5732'	9-7/8"	828 SX - Surface	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SAVES CEMENT*	SCREEN (MD)	SIZE
5-1/2"	0'	8133'	345 SX		2-1/16"
30. TUBING RECORD					
SIZE					
DEPTH SET (MD)					
PAWNER SET (MD)					
5-1/2"					
0'					
8133'					
345 SX					
31. PERFORATION RECORD (Interval, size, and number)					
Dakota: 7956', 58', 60', 62', 64', 96', 98', 8004', 06', 10', 12', 16', 19', 21', 23', 33', 49', 70', 88', 90', 93' and 95'. Total of 22 (0.38") holes					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)					
AMOUNT AND KIND OF MATERIAL USED					
7956' - 8095'					
90,000# 20/40 Acfrac SB Excel resin coated proppant					

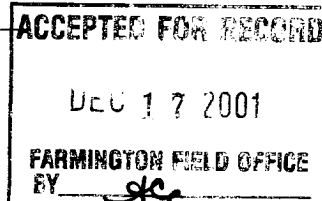
33. PRODUCTION	
DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing
WELL STATUS (PRODUCING OR SH) SI waiting on pipeline	
DATE OF TEST 11/24/2001	TESTED 3 hr
CHOKE SIZE 3/4"	PERFORATION TEST PERIOD
OIL - BBL	GAS - MCF 167
WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS 95	CASING PRESSURE 890
CALCULATED 24-HOUR RATE	
OIL - BBL	GAS - MCF 1,339
WATER - BBL	OIL GRAVITY (API CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD	
TEST WITNESSED BY:	
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

Nancy Rex

TITLE Production Analyst

DATE December 10, 2001



NMOCD

K

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
PERFORATED CLIFFS	3258'	3553'				
LEWIS	3553'	5466'				
CLIFFHOUSE	5466'	5513'				
MENEFEE	5513'	5728'				
POINT LOOKOUT	5728'	6078'				
MANCOS	6078'	7954'				
DAKOTA	7954'					

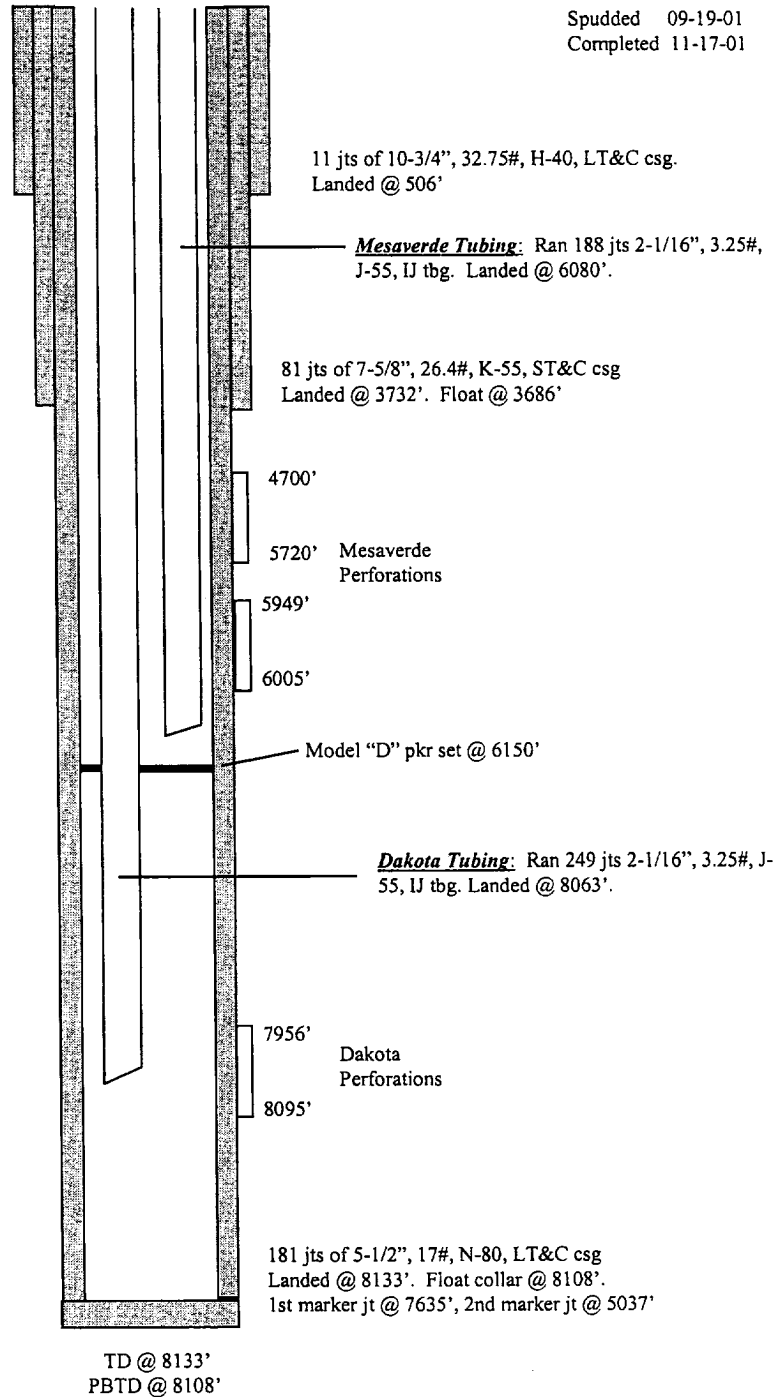
ROSA UNIT #149B BLANCO MV/BASIN DK

Location: 1440' FNL, 355' FWL
SW/4 NW/4 Section 12(E), T31N, R6W
Rio Arriba, NM

Spudded 09-19-01
Completed 11-17-01

Elevation: 6421' GR

<i>Tops</i>	<i>Depth</i>
Kirtland	2608'
Pictured Cliffs	3258'
Cliff House	5466'
Point Lookout	5728'
Mancos	6078'
Dakota	7954'



CliffHouse/Menefee 4700' - 5720' (34, 0.38" holes)
80,000# of 20/40 sand in 1921 BBL's slick water

Point Lookout 5949' - 6005' (22, 0.38" holes)
80,000# of 20/40 sand in 1887 BBL's slick water

Dakota 7956' - 8095' (22, 0.38" holes)
90,000# of 20/40 Acfrac SB Excel resin coated proppant
carried in 60Q Spectre G foam in 799 BBL's slick water

HOLE SIZE	CASING	CEMENT	CMT TOP
14-3/4"	10-3/4"	475 s x, 606 cu.ft.	Surface
9-7/8"	7-5/8"	828 s x, 1536 cu.ft.	Surface
6-3/4"	5-1/2"	345 s x, 707 cu.ft.	8096'