

In Lieu of  
Form 3160-4  
(July 1992)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN  
DUPLICATE

FORM APPROVED  
OMB NO 1004-0137  
Expires February 28, 1995

NOV 05 2008  
(See other instructions on  
reverse side)

5 LEASE DESIGNATION AND LEASE NO  
NMSF-078769

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 X DIFF RESVR OTHER

7 UNIT AGREEMENT NAME

Rosa Unit

Report to lease

2 NAME OF OPERATOR  
WILLIAMS PRODUCTION COMPANY

8 FARM OR LEASE NAME, WELL NO  
Rosa Unit #187C

3 ADDRESS AND TELEPHONE NO  
P O. Box 640, Aztec, NM 87410 (505) 634-4208

9 API WELL NO  
30-039-30185-0031

4 LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At Surface 1090' FSL & 1145' FWL, sec 21, T31N, R5W  
At top production interval reported below : 1724' FSL & 922' FWL, sec 21, T31N, R5W  
At total depth: Same

10. FIELD AND POOL, OR WILDCAT  
BASIN MANCOS

11 SEC., T., R., M., OR BLOCK AND  
SURVEY OR AREA  
SW/4 SW/4, Sec 21, T31N, R5W

12 COUNTY OR 13 STATE  
Rio Arriba New Mexico

15 DATE SPUDDED 7-20-08 16 DATE T D REACHED 9-1-08 17 DATE COMPLETED (READY TO PRODUCE) 10-31-08

14 PERMIT NO DATE ISSUED  
18 ELEVATIONS (DK, RKB, RT, GR, ETC)\*  
6801' GR

19 ELEVATION CASINGHEAD

20 TOTAL DEPTH, MD & TVD 8772' MD / 8722' TVD 21 PLUG, BACK T D, MD & TVD 8670' MD

22 IF MULTICOMP, HOW MANY 3\* 23 INTERVALS DRILLED BY

ROTARY TOOLS x CABLE TOOLS

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
Mancos 7083'-8210' CIBP set @ 8380' to isolate Dakota Mesa Verde to be completed at later date

25 WAS DIRECTIONAL SURVEY MADE  
YES

26 TYPE ELECTRIC AND OTHER LOGS RUN  
Atay Induction, Gamma Ray-Density-Neutron, Compensated Dual Neutron, Reservoir Tool, Cement Bond Log

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
20", X-52	94#	420'	26"	750 SX - SURFACE	
10-3/4", J-55	45.5#	4251'	14-3/4"	2660 SX - SURFACE	
5-1/2", N-80	170#	8222' 8352'	6-3/4"	408 SX - 4000' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7-5/8", 26 4#, J-55	3958'	6490'	850 sx TOC - 3958' (CBL)		2.875", 6 5#, J-55, EUE 8rd	8027'	none

31 PERFORATION RECORD (Interval, size, and number)

Mancos  
1<sup>st</sup> stage 8065 - 8210', 33, 0 34" holes  
  
2<sup>nd</sup> stage 7925' - 8025', 33, 0 34" holes  
  
3<sup>rd</sup> stage 7650' - 7780', 36, 0 34" holes  
  
4<sup>th</sup> stage 7410' - 7562', 36, 0 34" holes  
  
5<sup>th</sup> stage 7335' - 7375', 27, 0.34" holes  
  
6<sup>th</sup> stage 7083' - 7155', 33, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8065' - 8210'	7500# 100 mesh WS followed with 56,324# WS
7925' - 8025'	No Frac - unable to break down
7650' - 7780'	7500# 100 mesh WS followed with 119,279# WS
7410' - 7562'	9500# 100 mesh WS followed with 125,159# WS
7335' - 7375'	7800# 100 mesh WS followed with 88,622# WS
7083' - 7155'	3200# 100 mesh WS followed with 133,176# WS

33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				Shut in - waiting on tie in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10-31-08	10 hr	32/64"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	230#				1220 p/day		

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

TEST WITNESSED BY Al Rector

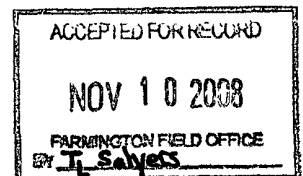
35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

RCVD NOV 13 '08

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Carrey Higgins TITLE Drig COM DATE 11-5-08

OIL CONS. DIV.  
DIST. 3



NMOCD  
8

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
						PICTURED CLIFFS	3728'	3681'
						LEWIS	4016'	3968'
						CLIFFHOUSE	5936'	5888'
						MENEFEE	5980'	5932'
						POINT LOOKOUT	6185'	6137'
						MANCOS	6687'	6639'
						DAKOTA	8413'	8364'