

In Lieu of  
Form 3160-4  
(July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

SUBMIT IN  
DUPLICATE

JUL 07 2005

(See other instructions on  
reverse side)

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

5 LEASE DESIGNATION AND LEASE NO.  
NMSF-078765

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME

Rosa Unit

8 FARM OR LEASE NAME, WELL NO  
Rosa Unit COM #60B

9 API WELL NO

30-045-34251-0002

10. FIELD AND POOL, OR WILDCAT  
BASIN MANCOS

11 SEC, T, R, M, OR BLOCK AND  
SURVEY OR AREA

SE/4 SW/4, Sec4, T31N, R6W

12 COUNTY OR  
San Juan

13 STATE  
New Mexico

19 ELEVATION CASINGHEAD

25 WAS DIRECTIONAL SURVEY MADE  
NO

27 WAS WELL CORED  
NO

WELL COMPLETION OR RECOMPLETION REPORT AND LOG - SUPPLEMENTAL

1a TYPE OF WELL ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

b TYPE OF COMPLETION

WORKOVER DEEPEN PLUG BACK DIFF RESVR ☒ OTHER

ADDITIONAL FRACING OF MANCOS  
FORMATION

2 NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

3 ADDRESS AND TELEPHONE NO.

P.O. Box 640, Aztec, NM 87410 (505) 634-4208

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At Surface: 275' FSL & 1450' FWL, sec 4, T31N, R6W

At top production interval reported below :

At total depth:

15 DATE  
SPUDDED  
4-7-08

16 DATE T D  
REACHED  
5-19-08

17 DATE COMPLETED (READY TO PRODUCE)  
10-6-08

14 PERMIT NO

DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC)\*  
6416' GR

20 TOTAL DEPTH, MD & TVD  
8225' MD

21 PLUG, BACK T D, MD & TVD  
8168'

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)\*

Basin Mancos 6545' - 7810'

26 TYPE ELECTRIC AND OTHER LOGS RUN

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#	421'	26"	750 SX - SURFACE	
10-3/4", K-55	45.5#	3666'	14-3/4"	1560 SX - SURFACE	
5-1/2", N-80	17.0#	8224'	6-3/4"	245 SX - 3650' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7-5/8", K-55, 26 4#	3498'	6024'	400 sx TOC - 5900' (CBL)		2 3/8", 4 7/8, J-55, EUE 8rd	8045'	none

31 PERFORATION RECORD (Interval, size, and number)

1<sup>st</sup> stage: 7670' - 7687' Total of 24, 0 36" holes

2<sup>nd</sup> stage: 7415' - 7535' Total of 75, 0 34" holes

3<sup>rd</sup> stage: 7150' - 7270' Total of 27, 0 34" holes

4<sup>th</sup> stage: 6930' - 7074' Total of 30, 0 34" holes

5<sup>th</sup> stage: 6805' - 6895' Total of 30, 0 34" holes

6<sup>th</sup> stage: 6545' - 6740' Total of 42, 0 34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL  
(MD)

AMOUNT AND KIND OF MATERIAL USED

7670' - 7687'

Faced with 8140# 100 white mest sand followed w/8540# 40/70  
white sand

RCVD JUL 14 '09

7415' - 7535'

Faced with 7500# 100 white mesh sand followed w/26500# 40/70  
white sand

OIL CONS. DIV.  
DIST. 3

7150' - 7270'

Faced with 7640# 100 white mesh sand followed w/117240# 40/70  
white sand

6930' - 7074'

Faced with 7600# 100 white mesh sand followed w/18000# 40/70  
white sand

6805' - 6895'

Faced with 3910# 100 white mesh sand followed w/94,762# 40/70  
Ottawa

6545' - 6740'

Faced with 5880# 100 white mesh sand followed w/100,140#  
40/70 Arizona sand

33 PRODUCTION Blanco Mesa Verde, Basin Mancos & Basin Dakota to be Commingled per AZT-3181

DATE OF FIRST PRODUCTION

10/16/2008

PRODUCTION METHOD (Flowing, Electric, Gravity, size and type of pump)

Flowing

WELL STATUS (Producing, Shut in)

PRODUCING

FARMINGTON FIELD OFFICE  
BY J. L. SANCHEZ

ACCEPTED FOR RECORD

JUL 13 2009

DATE OF TEST 06/08/09 <small>DATE OF TEST</small> *See Remarks	TESTED 1 hr	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS 0	CASING PRESSURE 5 OZ	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF 90 MCF/D	WATER - BBL	OIL GRAVITY-API (CORR )

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc ) TO BE SOLD TEST WITNESSED BY Craig Ward

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 Heather Riley  TITLE Regulatory Specialist DATE 07/07/09

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 *This test was for the 5 <sup>th</sup> stage only. The 6 <sup>th</sup> stage flow amount was too small to measure			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						KIRTLAND	2485'	
						FRUITLAND COAL	2941'	
						PICTURED CLIFFS	3200'	
						CLIFFHOUSE	5391'	
						MENEFEE	5433'	
						POINT LOOKOUT	5680'	
						MANCOS	6015'	
						DAKOTA	7920'	