

In Lieu of
Form 3160-4
(July 1992)

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

5 LEASE DESIGNATION AND LEASE NO
NMSF-078764
6 IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

SEP 01 2009

Bureau of Land Management
Farmington Field Office

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 640, Aztec, NM 87410 (505) 634-4208

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 685' FNL & 835' FEL, sec 20, T31N, R5W
At top production interval reported below: 2430' FNL & 254' FEL, sec 20, T31N, R5W
At total depth. Same

7 UNIT AGREEMENT NAME
Rosa Unit

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #85C

9 API WELL NO
30-039-30220

10 FIELD AND POOL, OR WILDCAT
Basin Mancos

11 SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec 20, T31N, R5W

12 COUNTY OR ☐ 13 STATE
Rio Arriba New Mexico

15 DATE ☐ 16 DATE T D ☐
SPUDDED REACHED
9-12-08 10-10-08

17 DATE COMPLETED (READY TO PRODUCE)
8-26-09

14 PERMIT NO DATE ISSUED
6429' GR

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6429' GR

19 ELEVATION CASINGHEAD
RCVD SEP 3 '09

20 TOTAL DEPTH, MD & TVD
8682' MD / 8155' TVD

21 PLUG, BACK T D, MD & TVD
8612' MD / 8085' TVD

22 IF MULTICOMP.,
HOW MANY
2 *

23 INTERVALS
DRILLED BY

ROTARY TOOLS ☒ CABLE TOOLS
x OIL CONS. DIV.

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN MANCOS 7135'-7895' MD * Commingled with Dakota per AZT-3210

25 WAS DIRECTIONAL SURVEY MADE
YES DIST. 3

26 TYPE ELECTRIC AND OTHER LOGS RUN
Array Induction, Gamma Ray-Density-Neutron, Compensated Dual Neutron and CBL

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", J-55	40 5#	322'	14-3/4"	250 SX - SURFACE	
7-5/8", J-55	26.4#	4297'	9-7/8"	710 SX - SURFACE	
5-1/2", N-80	17 0#	8678'	6-3/4"	185 SX - 5200' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375", 4.7#, J-55 & N-80 EUE 8rd	8543'	none

31 PERFORATION RECORD (Interval, size, and number)

Mancos 3rd: Total of 33, 0 34" holes

Mancos 2nd: Total of 42, 0 34" holes

Mancos 3rd: Total of 42, 0 34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7135'-7235'	Fraced with 5700# 100 mesh followed w/101,100# 40/70 BASF
7445'-7615'	Fraced with 5100# 100 mesh followed w/100,000# 40/70 BASF
7685'-7895'	Fraced with 6080# 100 mesh followed w/51,120# 40/70 BASF

33 PRODUCTION Commingled with Basin DK per AZT-3210

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
						SI - waiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
8-24-09	1 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	250 psi.				913 mcf/d		

ASSENTED FOR RECORD

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

TEST WITNESSED BY Buddy Banks

35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

SEP 02 2009

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

SIGNED Larry Hagg NMOCB TITLE Drig COM DATE 8-31-09

FARMINGTON FIELD OFFICE

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	3837'	3318'
						LEWIS	4134'	3610'
						CLIFFHOUSE	6038'	5513'
						MENEFEE	6094'	5569'
						POINT LOOKOUT	6272'	5747'
						MANCOS	6698'	6173'
						DAKOTA	8492'	7965'