

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\*

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

RECEIVED

AUG 03 2009

Bureau of Land Management  
Farmington Field Office

5 LEASE DESIGNATION AND LEASE NO  
NMSF-078765

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME  
Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO  
Rosa Unit #012D

9 API WELL NO  
30-039-30699-0001

10 FIELD AND POOL, OR WILDCAT  
Basin Dakota

11 SEC., T., R., M., OR BLOCK AND  
SURVEY OR AREA  
Sec 15, T31N, R6W

12 COUNTY OR 13 STATE  
Rio Arriba New Mexico

19 ELEVATION CASINGHEAD  
RCVD AUG 6 '09

ROTARY TOOLS CABLE TOOLS  
x OIL CONS. DIV.

25 WAS DIRECTIONAL SURVEY MADE  
YES DIST. 3

27 WAS WELL CORED  
No

15 DATE 16 DATE T D 17 DATE COMPLETED (READY TO PRODUCE) 18 ELEVATIONS (DK, RKB, RT, GR, ETC)\*  
SPUDDED REACHED  
5-20-09 6-1-09 7/29/09 6299' GR

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T D, MD & TVD 22 IF MULTICOMP, 23 INTERVALS  
8011' MD / 7945' TVD 8006' MD / 7940' TVD HOW MANY DRILLED BY  
3\*

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
BASIN DAKOTA. 7903' - 7992' MD

26 TYPE ELECTRIC AND OTHER LOGS RUN  
Array Induction, Compensated Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector and CBL

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#	315'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26.4#	3678'	9-7/8"	620 SX - SURFACE	
5-1/2", N-80	17.0#	8009'	6-3/4"	360 SX - 2920' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/5", 4.7#, J-55 EUE 8rd	114-6 7950'	none

31 PERFORATION RECORD (Interval, size, and number)

Dakota: 7903' - 7992' Total of 75, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7903'-7992'	Frac with 5148# 100 mesh BASF followed with 113,780# 40/70 mesh BASF

33 PRODUCTION BASIN DAKOTA, BASIN MANCOS AND BLANCO MESAVERDE FORMATIONS COMMINGLED AND PRODUCING UNDER AUTHORIZATION DHC AZT-3193

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				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
7/28/09	1 hr	3/8"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	0				1954 mcf/d		

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

TEST WITNESSED BY Weldon Higgins

35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report

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

SIGNED

*Deborah Riley*

TITLE Regulatory Specialist

NMOCD

DATE 08/03/09

ACCEPTED FOR RECORD

AUG 04 2009

FARMINGTON FIELD OFFICE  
BY T. Salvers

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	3188'	3124'
						LEWIS	3491'	3425'
						CLIFFHOUSE	5384'	5318'
						MENEFEE	5426'	5360'
						POINT LOOKOUT	5671'	5605'
						MANCOS	6082'	6016'
						DAKOTA	7902'	7915'

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-078765

6 IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

7 UNIT AGREEMENT NAME

Rosa Unit

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: 1905' FNL & 595' FEL, sec 15, T31N, R6W

At top production interval reported below: 2494' FNL & 623' FEL, sec 15, T31N, R6W

At total depth: Same

8 FARM OR LEASE NAME, WELL NO.

Rosa Unit #012D

9 API WELL NO

30-039-30699-0002

10. FIELD AND POOL, OR WILDCAT

Basin Mancos

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

Sec 15, T31N, R6W

12 COUNTY OR

Rio Arriba

13 STATE

New Mexico

19 ELEVATION CASINGHEAD

RCVD AUG 6 '09

15 DATE  
SPUDDED  
5-20-09

16 DATE T D  
REACHED  
6-1-09

17 DATE COMPLETED (READY TO PRODUCE)  
7/29/09

14 PERMIT NO

DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC)\*  
6299' GR

20 TOTAL DEPTH, MD & TVD  
8011' MD / 7945' TVD

21 PLUG BACK T D, MD & TVD  
8006' MD / 7940' TVD

22 IF MULTICOMP,  
HOW MANY  
3\*

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: 6805' - 7300' MD

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector and CBL

25 WAS DIRECTIONAL SURVEY MADE

YES DIST 3

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#	315'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26.4#	3678'	9-7/8"	620 SX - SURFACE	
5-1/2", N-80	17.0#	8009'	6-3/4"	360 SX - 2920' (CBL) ✓	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375", 4.7#, J-55 11-0 EUE 8rd	7950'	none

31 PERFORATION RECORD (Interval, size, and number)

Upper Mancos: 6805' - 7055' Total of 54, 0.34" holes ✓

Lower Mancos: 7135' - 7300' Total of 42, 0.34" holes ✓

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL  
(MD)

AMOUNT AND KIND OF MATERIAL USED

6805' - 7055'

Frac with 4104# 100 mesh followed with 94,579# 40/70 Arizona

7135'-7300'

Frac with 5148# 100 mesh followed with 97,321# 40/70 Arizona

33 PRODUCTION BASIN DAKOTA, BASIN MANCOS AND BLANCO MESAVERDE FORMATIONS COMMINGLED AND PRODUCING UNDER AUTHORIZATION DHC AZT-3193

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				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
7/28/09	1 hr	3/8"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	0				1954 mcf/d ✓		

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

TEST WITNESSED BY Weldon Higgins

35 LIST OF ATTACHMENTS

SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report ✓

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

SIGNED

Regulatory Specialist

DATE 8/3/09

NMOCD

ACCEPTED FOR RECORD

AUG 04 2009

FARMINGTON FIELD OFFICE  
BY T. J. SANCHEZ

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	3188'	3124'
						LEWIS	3491'	3425'
						CLIFFHOUSE	5384'	5318'
						MENEFEE	5426'	5360'
						POINT LOOKOUT	5671'	5605'
						MANCOS	6082'	6016'
						DAKOTA	7902'	7915'