

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-078767

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: 1980' FSL & 660' FWL, sec 24, T31N, R6W

At top production interval reported below : 803' FSL & 694' FWL, sec 24, T31N, R6W

At total depth: Same

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #019D

9 API WELL NO

30-039-30781-0003

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

Sec 24, T31N, R6W

12 COUNTY OR

Rio Arriba

13. STATE

New Mexico

15 DATE

SPUDDED

8-25-09

16 DATE T D

REACHED

9-8-09

17. DATE COMPLETED (READY TO PRODUCE)

11/16/09

14 PERMIT NO

DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC.)*

6311' GR

20 TOTAL DEPTH, MD & TVD

8164' MD / 7944' TVD

21 PLUG, BACK T D., MD & TVD

8157' MD / 7937' TVD

22 IF MULTICOMP,
HOW MANY

3*

23 INTERVALS
DRILLED BY

19 ELEVATION CASINGHEAD

RCVD DEC 1 '09

ROTARY TOOLS

CABLE TOOLS

25 WAS DIRECTIONAL SURVEY MADE

YES NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector 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#	313'	14-3/4"	300 SX - SURFACE	
7-5/8", K-55	26.4#	3862'	9-7/8"	590 SX - SURFACE	
5-1/2", N-80	17.0#	8164'	6-3/4"	360 SX - 3490' (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 & N-80 EUE 8rd	8006'	none

31 PERFORATION RECORD (Interval, size, and number)

Upper MV: 63, 0.34" holes

Lower MV: 69, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

5353'-5734'

Frac with 80,120# 20/40 mesh BASF

5816'-6181'

Frac with 80,000# 20/40 mesh BASF

33. PRODUCTION

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
11/13/09	2 hr	32/64"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	400 lb				934 mcf/d		

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) non flaring

TEST WITNESSED BY Weldon Huggins

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

TITLE Regulatory Specialist

DATE 11/18/2009

NMOCD 18

ACCEPTED FOR RECORD

11-29-09

FARMINGTON FIELD OFFICE
BY T. S. J. S.

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
						LEWIS	3682'	3464'
						CLIFFHOUSE	5562'	5344'
						POINT LOOKOUT	5814'	5596'
						MANCOS	6270'	6051'
						GRANEROS	7903'	7684'
						DAKOTA	8031'	7812'

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

5 LEASE DESIGNATION AND LEASE NO.
NMSF-078767

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME
Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #019D

9. API WELL NO
30-039-30781-0002

10. FIELD AND POOL, OR WILDCAT
Basin Mancos

11 SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec 24, T31N, R6W

12 COUNTY OR
Rio Arriba

13. STATE
New Mexico

19 ELEVATION CASINGHEAD

25 WAS DIRECTIONAL SURVEY MADE
YES CWD DEC 1 '09

27 WAS WELL CORED
No OIL CONS. DIV.

DIST 2

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1980' FSL & 660' FWL, sec 24, T31N, R6W
At top production interval reported below : 803' FSL & 694' FWL, sec 24, T31N, R6W
At total depth: Same

14 PERMIT NO.
DATE ISSUED
6311' GR

15. DATE
SPUDDED
8-25-09

16 DATE T.D.
REACHED
9-8-09

17 DATE COMPLETED (READY TO PRODUCE)
11/16/09

20. TOTAL DEPTH, MD & TVD
8164' MD / 7944' TVD

21 PLUG, BACK T.D., MD & TVD
8157' MD / 7937' TVD

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: 6960' - 7734' MD Commingled with MV & DK per AZT-3263

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#	313'	14-3/4"	300 SX - SURFACE	
7-5/8", K-55	26.4#	3862'	9-7/8"	590 SX - SURFACE	
5-1/2", N-80	17.0#	8164'	6-3/4"	360 SX - 3490' (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 & N-80 EUE 8rd	8006'	none

31 PERFORATION RECORD (Interval, size, and number)

Upper Mancos: 81, 0.34" holes ✓

Lower Mancos: 81, 0.34" holes ✓

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6960'-7220'	Frac with 6406# 100 mesh followed w/92,349# 40/70 BASF
7272'-7734'	Frac with 6396# 100 mesh BASF followed with 98,292# 40/70 BASF

33 PRODUCTION

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
11/13/09 ✓	2 hr	32/64"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	400 lb				886 mcf/d ✓		

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): non flaring

TEST WITNESSED BY Weldon Higgins

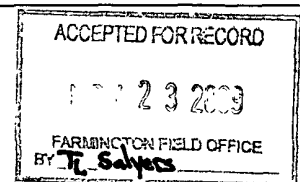
35 LIST OF ATTACHMENTS

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 Walter Coley TITLE Regulatory Specialist DATE 11/18/2009

NMOC D



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
						LEWIS	3682'	3464'
						CLIFFHOUSE	5562'	5344'
						POINT LOOKOUT	5814'	5596'
						MANCOS	6270'	6051'
						GRANEROS	7903'	7684'
						DAKOTA	8031'	7812'

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-078767

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: 1980' FSL & 660' FWL, sec 24, T31N, R6W

At top production interval reported below: 803' FSL & 694' FWL, sec 24, T31N, R6W

At total depth: Same

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11 SEC., T., R., M., OR BLOCK AND

SURVEY OR AREA

Sec 24, T31N, R6W

12 COUNTY OR

Rio Arriba

13 STATE

New Mexico

19 ELEVATION CASINGHEAD

15. DATE

SPUDDED
8-25-09

16. DATE T.D.

REACHED
9-8-09

17 DATE COMPLETED (READY TO PRODUCE)

11/16/09

14. PERMIT NO.

DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC.)*

6311' GR

20 TOTAL DEPTH, MD & TVD

8164' MD / 7944' TVD

21. PLUG, BACK T.D., MD & TVD

8157' MD / 7937' TVD

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 DAKOTA: 8031' - 8149' MD

Commingled with MV & MC per AZT-3263

25 WAS DIRECTIONAL SURVEY MADE

YES

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector 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#	313'	14-3/4"	300 SX - SURFACE	
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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 & N-80 EUE 8rd	8006'	none

31. PERFORATION RECORD (Interval, size, and number)

Dakota: Total of 78, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL

(MD)

AMOUNT AND KIND OF MATERIAL USED

8031'-8149'

Fraced with 4971# 100 mesh BASF followed with 64,277# 40/70 mesh BASF

RCVD DEC 1 '09

OIL CONS. DIV.

33 PRODUCTION

DIST. 3

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
11/13/09	2 hr	32/64"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	400 lb				575 mcf/d		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.). non flaring

TEST WITNESSED BY Weldon Huggins

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

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SIGNED

TITLE Regulatory Specialist

DATE 11/18/2009

ACCEPTED FOR RECORD

23 2009

FARMINGTON FIELD OFFICE
BY T. Sahers

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FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						LEWIS	3682'	3464'
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