

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-078772

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME

Rosa Unit

NMM-78407A-MV

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #91D

9 API WELL NO

30-039-30763-0003

10. FIELD AND POOL, OR WILDCAT
Blanco Mesaverde

11 SEC., T, R, M, OR BLOCK AND
SURVEY OR AREA
Sec 35, T32N, R6W

12. COUNTY OR

Rio Arriba

13 STATE

New Mexico

19 ELEVATION CASINGHEAD

ROTARY TOOLS

x

CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE
YES

27 WAS WELL CORED
No

WELL COMPLETION OR RECOMPLETION REPORT AND LOG RECEIVED

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

b. TYPE OF COMPLETION
☒ NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

OCT 30 2009

2 NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

Bureau of Land Management
Farmington Field Office

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: 1055' FSL & 250' FEL, sec 35, T32N, R6W

At top production interval reported below 1954' FSL & 637' FEL, sec 35, T32N, R6W

At total depth Same

15 DATE
SPUDDED
6-22-09

16 DATE T D
REACHED
7-3-09

17 DATE COMPLETED (READY TO PRODUCE)
10-27-09

14 PERMIT NO

DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6324' GR

20 TOTAL DEPTH, MD & TVD
8194' MD / 8025' TVD

21 PLUG, BACK T D, MD & TVD
8164' MD

22 IF MULTICOMP,
HOW MANY
3*

23 INTERVALS
DRILLED BY

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

BLANCO MESAVERDE 5314'-6050' MD

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, 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#	314'	14-3/4"	290 SX - SURFACE	NOV 9 '09
7-5/8", K-55	26.4#	3784'	9-7/8"	645 SX - SURFACE	OIL COMS DU
5-1/2", N-80	17.0#	8194'	6-3/4"	380 SX - 3200' (CBL)	NET 2

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8", 4.7#, J-55 & N-80 EUE 8rd	7424'	none

31 PERFORATION RECORD (Interval, size, and number)

Upper MV: Total of 55, 0.34" holes

Lower MV: Total of 71, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5314-5683'	Fraced with 78,900# 20/40 mesh BASF
5777'-6050'	Fraced with 81,500# 20/40 mesh BASF

33 PRODUCTION Commingled with Mesaverde and Dakota per AZT-3247

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				SI - waiting on NSL approval	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10-25-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	300 lb				732 mcf/d		

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, Directional EOW report

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

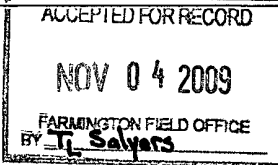
SIGNED

Carry Higgins

TITLE Drlg COM

DATE 10-30-09

NMCCD



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	3311'	3144'
						LEWIS	3648'	3479'
						CLIFFHOUSE	5525'	5356'
						MENEFEE	5575'	5406'
						POINT LOOKOUT	5777'	5608'
						MANCOS	6254'	6085'
						DAKOTA	8060'	7891'

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5 LEASE DESIGNATION AND LEASE NO
NMSF-078772

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME

Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #91D

9 API WELL NO

30-039-30763-0002

10. FIELD AND POOL, OR WILDCAT
Basin Mancos

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

Sec 35, T32N, R6W

12 COUNTY OR
Rio Arriba

13 STATE
New Mexico

19 ELEVATION CASINGHEAD

25 WAS DIRECTIONAL SURVEY MADE
YES

27 WAS WELL CORED
No

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: 1055' FSL & 250' FEL, sec 35, T32N, R6W

At top production interval reported below 1954' FSL & 637' FEL, sec 35, T32N, R6W

At total depth: Same

14 PERMIT NO

DATE ISSUED

15 DATE
SPUDDED
6-22-09

16 DATE T D
REACHED
7-3-09

17 DATE COMPLETED (READY TO PRODUCE)
10-27-09

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6324' GR

20 TOTAL DEPTH, MD & TVD
8194' MD / 8025' TVD

21 PLUG, BACK T D, MD & TVD
8164' MD

22 IF MULTICOMP,
HOW MANY
3*

23 INTERVALS
DRILLED BY

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

BASIN MANCOS: 6976'-7447' MD

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, 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#	314'	14-3/4"	290 SX - SURFACE	1043' 00"
7-5/8", K-55	26 4#	3784'	9-7/8"	645 SX - SURFACE	101' 00"
5-1/2", N-80	17.0#	8194'	6-3/4"	380 SX - 3200' (CBL)	151.3

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	7424'	none

31 PERFORATION RECORD (Interval, size, and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6976'-7213'	Fraced with 5300# 100 mesh BASF followed with 92,499# 40/70 mesh BASF
7279'-7447'	Fraced with 5000# 100 mesh BASF followed with 120,200# 40/70 mesh BASF

33 PRODUCTION Commingled with Mesaverde and Dakota per AZT-3247

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Flowing				SI - waiting NSL approval	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10-25-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	300 lb				695 mcf/d		

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, Directional EOW report

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

SIGNED Carly Hays TITLE Drlg COM DATE 10-30-09

NMOCD

ACCEPTED FOR RECORD

NOV 04 2009

FARMINGTON FIELD OFFICE
BY T. Salyers

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, tube 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	3311'	3144'
						LEWIS	3648'	3479'
						CLIFFHOUSE	5525'	5356'
						MENEFEE	5575'	5406'
						POINT LOOKOUT	5777'	5608'
						MANCOS	6254'	6085'
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FORM APPROVED
OMB NO 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a	TYPE OF WELL	<input checked="" type="checkbox"/> OIL WELL	<input checked="" type="checkbox"/> GAS WELL	<input type="checkbox"/> DRY	<input type="checkbox"/> OTHER
b	TYPE OF COMPLETION	<input checked="" type="checkbox"/> NEW WELL			
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: 1055' FSL & 250' FEL, sec 35, T32N, R6W At top production interval reported below: 1954' FSL & 637' FEL, sec 35, T32N, R6W At total depth: Same			
5	LEASE DESIGNATION AND LEASE NO	NMSF-078772			
6	IF INDIAN, ALLOTTEE OR				
7	UNIT AGREEMENT NAME	Rosa Unit			
8	FARM OR LEASE NAME, WELL NO	Rosa Unit #91D			
9	API WELL NO	30-039-30763			
10	FIELD AND POOL, OR WILDCAT	Basin Dakota			
11	SEC, T, R, M, OR BLOCK AND SURVEY OR AREA	Sec 35, T32N, R6W			
12	COUNTY OR	Rio Arriba			
13	STATE	New Mexico			
14	PERMIT NO	DATE ISSUED			
15	DATE SPUDDED	16 DATE T.D. REACHED			
17	DATE COMPLETED (READY TO PRODUCE)	18 ELEVATIONS (DK, RKB, RT, GR, ETC)*			
19	ELEVATION CASINGHEAD	20 TOTAL DEPTH, MD & TVD			
21	PLUG, BACK T.D., MD & TVD	22 IF MULTICOMP, HOW MANY			
23	INTERVALS DRILLED BY	24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*			
25	WAS DIRECTIONAL SURVEY MADE	26 TYPE ELECTRIC AND OTHER LOGS RUN			
27	WAS WELL CORED	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#	314'	14-3/4"	290 SX - SURFACE	
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SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/5", 4.7#, J-55 & N-80 EUE 8rd	7424'	none

31 PERFORATION RECORD (Interval, size, and number)	32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC
Dakota: Total of 63, 0 34" holes	DEPTH INTERVAL (MD)
	AMOUNT AND KIND OF MATERIAL USED
	8062'-8158'
	Fraced with 5000# 100 mesh BASF followed with 83,400# 40/70 mesh BASF

33 PRODUCTION	Commingled with Mesaverde and Mancos per AZT-3247						
DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)					WELL STATUS (PRODUCING OR SI)	
	Flowing					SI - waiting on NSL approval	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
10-25-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE			OIL - BBL	GAS - MCF	OIL GRAVITY-API (CORR)
0	.300 lb					451 mcf/d	
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc)	TO BE SOLD						TEST1 WITNESSED BY
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

Larry Hagg

FILED

DATE 10-30-09

ACCEPTED FOR RECORD

NOV 04 2009

FARMINGTON FIELD OFFICE
BY *TL Solvers*

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
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