

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-078766

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME
Rosa Unit

NMM-78407A-MV

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #18C

9. API WELL NO
30-039-30131-0003

10. FIELD AND POOL, OR WILDCAT
Blanco Mesaverde

11 SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec 22, T31N, R6W

12 COUNTY OR 13 STATE
Rio Arriba New Mexico

19 ELEVATION CASINGHEAD
RCVD AUG 28 '09

ROTARY TOOLS CABLE TOOLS
X NIL CONS. DIV.

25 WAS DIRECTIONAL SURVEY MADE
YES DIST. 3

27 WAS WELL CORED
No

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

AUG 25 2009

3. ADDRESS AND TELEPHONE NO

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

Bureau of Land Management
Farmington Field Office

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

At Surface 1490' FNL & 990' FEL, sec 22, T31N, R6W

At top production interval reported below 2311' FNL & 1887' FEL, sec 22, T31N, R6W

At total depth: Same

14 PERMIT NO

DATE ISSUED

15. DATE

SPUDDED
6-7-09

16 DATE T D

REACHED
6-21-09

17 DATE COMPLETED (READY TO PRODUCE)

8-24-09

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

6258' GR

20 TOTAL DEPTH, MD & TVD

8156' MD / 7893' TVD

21 PLUG, BACK T D, MD & TVD

8146' MD / 7883' TVD

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: 5297' - 6123' MD

Commingled with MC & DK per AZT-3211

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"	300 SX - SURFACE	
7-5/8", K-55	26.4#	3813'	9-7/8"	655 SX - SURFACE	
5-1/2", N-80	17.0#	8156'	6-3/4"	380 SX - 3380' (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-80EUE 8rd	8078'	none

31 PERFORATION RECORD (Interval, size, and number)

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL
(MD)

AMOUNT AND KIND OF MATERIAL USED

Lewis/CH/Men: 5297' - 5740' Total of 59, 0.34" holes

5297'-5740'

Faced with 73,828# 20/40 mesh BASF

PLO: 5815' - 6123' Total of 63, 0.34" holes

5815'-6123'

Faced with 90,907# 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
8-20-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	420 lb				981 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

Carrey Hays

TITLE Drlg COM

DATE 8-25-09

NMOCD

ACCEPTED FOR RECORD

AUG 26 2009

FARMINGTON FIELD OFFICE
BY: T. Saliers

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	3350'	3091'
						LEWIS	3667'	3404'
						CLIFFHOUSE	5528'	5265'
						MENEFEE	5577'	5314'
						POINT LOOKOUT	5840'	5577'
						MANCOS	6322'	6059'
						DAKOTA	8049'	7786'

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*

5 LEASE DESIGNATION AND LEASE NO
NMSF-078766

6 IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

Rosa Unit

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #18C

9 API WELL NO

30-039-30131-0002

10 FIELD AND POOL, OR WILDCAT
Basin Mancos

11 SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec 22, T31N, R6W

12. COUNTY OR 13 STATE
Rio Arriba New Mexico

19 ELEVATION CASINGHEAD

RCVD AUG 28 '09

ROTARY TOOLS CABLE TOOLS

X OIL CING. DIV.

25 WAS DIRECTIONAL SURVEY MADE

YES DIST 3

27 WAS WELL CORED
No

1a TYPE OF WELL 1 OIL WELL X GAS WELL DRY OTHER

b TYPE OF COMPLETION
X 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: 1490' FNL & 990' FEL, sec 22, T31N, R6W

At top production interval reported below : 2311' FNL & 1887' FEL, sec 22, T31N, R6W

At total depth: Same

RECEIVED

AUG 25 2009

Bureau of Land Management
Farmington Field Office

15 DATE 16 DATE T.D. 17 DATE COMPLETED (READY TO PRODUCE)
SPUDDED REACHED
6-7-09 6-21-09 8-24-09

14 PERMIT NO. DATE ISSUED
18 ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6258' GR

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T.D., MD & TVD
8156' MD / 7893' TVD 8146' MD / 7883' TVD

22 IF MULTICOMP, 23 INTERVALS
HOW MANY DRILLED BY
3 *

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

BASIN MANCOS: 6942' - 7428' MD

Commingled with MV & DK per AZT-3211

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"	300 SX - SURFACE	
7-5/8", K-55	26.4#	3813'	9-7/8"	655 SX - SURFACE	
5-1/2", N-80	17 0#	8156'	6-3/4"	380 SX - 3380' (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-80EUE 8rd	8078'	none

31 PERFORATION RECORD (Interval, size, and number)

Upper Mancos: 6942' - 7209' Total of 75, 0.34" holes ✓

Lower Mancos: 7271' - 7428' Total of 54, 0.34" holes ✓

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6942'-7209'	Fraced with 5006# 100 mesh followed with 98,125# 40/70 mesh Ottawa
7271'-7428'	Fraced with 5003 100 mesh followed with 98,265# 40/70 mesh Ottawa

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
8-20-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	420 lb				930 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 Larry Huggins TITLE Drlg COM DATE 8-25-09

NMOCD

ACCEPTED FOR RECORD

AUG 26 2009

FARMINGTON FIELD OFFICE
BY T. Salas

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	3350'	3091'
						LEWIS	3667'	3404'
						CLIFFHOUSE	5528'	5265'
						MENEFEE	5577'	5314'
						POINT LOOKOUT	5840'	5577'
						MANCOS	6322'	6059'
						DAKOTA	8049'	7786'

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*

RECEIVED

AUG 25 2009

Bureau of Land Management
Farmington Field Office

5. LEASE DESIGNATION AND LEASE NO.
NMSF-078766

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME
Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #18C

9 API WELL NO.
30-039-30131-0001

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11 SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec 22, T31N, R6W

12 COUNTY OR
Rio Arriba

13 STATE
New Mexico

19 ELEVATION CASINGHEAD

RCVD AUG 28 '09

ROTARY TOOLS
CABLE TOOLS
*OIL CHINE OIL

25. WAS DIRECTIONAL SURVEY MADE
YES DIST. 3

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: 1490' FNL & 990' FEL, sec 22, T31N, R6W
At top production interval reported below : 2311' FNL & 1887' FEL, sec 22, T31N, R6W
At total depth: Same

15 DATE
SPUDDED
6-7-09

16 DATE TD
REACHED
6-21-09

17 DATE COMPLETED (READY TO PRODUCE)
8-24-09

14 PERMIT NO

DATE ISSUED

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6258' GR

20 TOTAL DEPTH, MD & TVD
8156' MD / 7893' TVD

21 PLUG, BACK TD, MD & TVD
8146' MD / 7883' TVD

22 IF MULTICOMP,
HOW MANY
3*

23 INTERVALS
DRILLED BY

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN DAKOTA. 8049' - 8122' MD Commingled with MV & MC per AZT-3211

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"	300 SX - SURFACE	
7-5/8", K-55	26 4#	3813'	9-7/8"	655 SX - SURFACE	
5-1/2", N-80	17 0#	8156'	6-3/4"	380 SX - 3380' (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-80EUE 8rd	8078'	none

31 PERFORATION RECORD (Interval, size, and number)

Dakota: 8049'-8122' Total of 57, 0 34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8049' - 8122'	Fraced with 5008# 100 mesh Ottawa followed with 77,064# 40/70 mesh Ottawa

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
8-20-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	420 lb				604 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 Larry Higgins TITLE Drilg COM DATE 8-25-09

NMOCD

ACCEPTED FOR RECORD

AUG 26 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	3350'	3091'
						LEWIS	3667'	3404'
						CLIFFHOUSE	5528'	5265'
						MENEFEE	5577'	5314'
						POINT LOOKOUT	5840'	5577'
						MANCOS	6322'	6059'
						DAKOTA	8049'	7786'