

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-078772

6. IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

7. UNIT AGREEMENT NAME

Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO.

Rosa Unit #89D

9. API WELL NO

30-039-30783-0001

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec 34, T32N, R6W

12 COUNTY OR

Rio Arriba

13 STATE

New Mexico

19 ELEVATION CASINGHEAD

ROUND OCT 7 '09

ROTARY TOOLS

X OIL CONS. DIV.

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: 600' FNL & 645' FEL, sec 34, T32N, R6W

At top production interval reported below: 1143' FNL & 1815' FEL, sec 34, T32N, R6W

At total depth: Same

14 PERMIT NO.

DATE ISSUED

15 DATE
SPUDDED
7-21-09

16 DATE T D
REACHED
8-5-09

17 DATE COMPLETED (READY TO PRODUCE)
9-28-09

18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6664' GR

20 TOTAL DEPTH, MD & TVD
8625' MD / 8347' TVD

21 PLUG, BACK T D, MD & TVD
8614' MD / 8336' 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: 8482'-8600' MD

Commingled with Mesaverde and Mancos per AZT-3239

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron 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#	317'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26.4#	4197'	9-7/8"	710 SX - SURFACE	
5-1/2", N-80	17.0#	8623'	6-3/4"	385 SX - 3760' (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	8511'	none

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

Dakota: Total of 75, 0.34" holes ✓

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL
(MD)

AMOUNT AND KIND OF MATERIAL USED

8482'-8600'

Fracced with 5000# 100 mesh BASF followed with 113,600# 40/70 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
9-26-09 ✓	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	180 lb				259 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,

ACCEPTED FOR RECORD

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

SIGNED Larry Higgins TITLE Drlg COM DATE 9-29-09

NMOCD 10

SEP 30 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, 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	3728'	3450'
						LEWIS	4026'	3749'
						CLIFFHOUSE	5962'	5684'
						MENEFEE	6012'	5734'
						POINT LOOKOUT	6211'	5933'
						MANCOS	6706'	6428'
						DAKOTA	8482'	8204'

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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 SEP 29 2009

Report to lease

2. NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

8 FARM OR LEASE NAME, WELL NO

Rosa Unit #89D

3. ADDRESS AND TELEPHONE NO.

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

9. API WELL NO

30-039-30783-0002

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

At Surface: 600' FNL & 645' FEL, sec 34, T32N, R6W

At top production interval reported below : 1143' FNL & 1815' FEL, sec 34, T32N, R6W

At total depth: Same

10 FIELD AND POOL, OR WILDCAT

Basin Mancos

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

SURVEY OR AREA

Sec 34, T32N, R6W

14 PERMIT NO

DATE ISSUED

12. COUNTY OR

Rio Arriba

13 STATE

New Mexico

15. DATE

SPUDDED

7-21-09

16 DATE T D

REACHED

8-5-09

17 DATE COMPLETED (READY TO PRODUCE)

9-28-09

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

6664' GR

19 ELEVATION CASINGHEAD

20 TOTAL DEPTH, MD & TVD

8625' MD / 8347' TVD

21. PLUG BACK T D, MD & TVD

8614' MD / 8336' TVD

22 IF MULTICOMP,

HOW MANY

3*

23 INTERVALS

DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X RECORD OCT 7 '09

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

BASIN MANCOS: 7400'-7840' MD

Commingled with Mesaverde and Dakota per AZT-3239

25 WAS DIRECTIONAL SURVEY MADE

YES NO CONC DILL

26. TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron and CBL

27 WAS WELL-CORED

No DIST. 3

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#	317'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26 4#	4197'	9-7/8"	710 SX - SURFACE	
5-1/2", N-80	17 0#	8623'	6-3/4"	385 SX - 3760' (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	8511'	none

31 PERFORATION RECORD (Interval, size, and number)

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

Upper Mancos Total of 78, 0.34" holes ✓

7400'-7650' Fraced with 5000# 100 mesh BASF followed with 109,100# 40/70 mesh BASF

Lower Mancos Total of 51, 0.34" holes ✓

7700'-7840' Fraced with 5000# 100 mesh BASF followed with 99,400# 40/70 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
9-26-09 ✓	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	180 lb				398 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,

ACCEPTED FOR RECORD

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

SIGNED

TITLE Drilg COM DATE 9-29-09

NMOCD

SEP 30 2009

FARMINGTON FIELD OFFICE
BY T. Sayers

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	3728'	3450'
						LEWIS	4026'	3749'
						CLIFFHOUSE	5962'	5684'
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						POINT LOOKOUT	6211'	5933'
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7. UNIT AGREEMENT NAME

Rosa Unit

NMNM-78407A-MV

8. FARM OR LEASE NAME, WELL NO.

Rosa Unit #89D

9. API WELL NO

30-039-30783-00C3

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

SURVEY OR AREA

Sec 34, T32N, R6W

12. COUNTY OR

Rio Arriba

13. STATE

New Mexico

19. ELEVATION CASINGHEAD

RCVD OCT 7 '09

ROTARY TOOLS

CABLE TOOLS

x ON LONG DRILL

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

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3. ADDRESS AND TELEPHONE NO.

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At total depth Same

14. PERMIT NO

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

6664' GR

20. TOTAL DEPTH, MD & TVD

8625' MD / 8347' TVD

21. PLUG, BACK T D, MD & TVD

8614' MD / 8336' TVD

22. IF MULTICOMP,

HOW MANY

3*

23. INTERVALS

DRILLED BY

ROTARY TOOLS

CABLE TOOLS

x ON LONG DRILL

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

BLANCO MESAVERDE: 5976'-6516' MD

Commingled with Mancos and Dakota per AZT-3239

26. TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron 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
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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	8511'	none

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

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

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

Upper MV: Total of 43, 0.34" holes ✓

5976'-6171'

Fraced with 104,396# 20/40 mesh BASF

Lower MV: Total of 54, 0.34" holes ✓

6203'-6516'

Fraced with 87,700# 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
9-26-09 ✓	1 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	180 lb				420 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,

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

SIGNED

TITLE Drlg COM

DATE 9-29-09

ACCEPTED FOR RECORD

SEP 30 2009

FARMINGTON FIELD OFFICE

BY J. Salyers

NMOCD

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