

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-078763

6 IF INDIAN, ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL F 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: 850' FNL & 1980' FEL, sec 8, T31N, R5W
At top production interval reported below 945' FSL & 1110' FEL, sec 5, T31N, R5W ✓
At total depth. Same

7 UNIT AGREEMENT NAME
Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #41C

9. API WELL NO
30-039-30692-0002

10. FIELD AND POOL, OR WILDCAT
Basin Mancos

11 SEC., T, R, M, OR BLOCK AND
SURVEY OR AREA
Sec 8, T31N, R5W

12 COUNTY OR 13 STATE
Rio Arriba New Mexico

15 DATE SPUNDED 5-19-09 16 DATE T D REACHED 6-12-09 17 DATE COMPLETED (READY TO PRODUCE) 8-29-09

14 PERMIT NO DATE ISSUED
18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6348' GR

19 ELEVATION CASINGHEAD

20 TOTAL DEPTH, MD & TVD 7390'-7846' TVD 21 PLUG, BACK T D, MD & TVD 8659' MD

22 IF MULTICOMP, HOW MANY 2* 23 INTERVALS DRILLED BY

ROTARY TOOLS x CABLE TOOLS

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN MANCOS 7390'-7846' MD To be commingled with Dakota Mesaverde to be completed at later date

25. WAS DIRECTIONAL SURVEY MADE
YES

26 TYPE ELECTRIC AND OTHER LOGS RUN
Gamma Ray-Pulsed Neutro Decay Log 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#	354'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26 4#	4192'	9-7/8"	705 SX - SURFACE	
5-1/2", N-80	17.0#	8081'	6-3/4"	415 SX - 4020' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3-1/2"	7860'	8682'	50 sx		2.375", 4 7#, J-55 & N-80 EUE 8rd	7792'	none

31 PERFORATION RECORD (Interval, size, and number)

Mancos 2nd 7390'-7630' Total of 75, 0.34" holes

Mancos 1st: 7705'-7846' Total of 60, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7390'-7630'	Fraced with 6800# 100 mesh BASF followed with 96,300# 40/70 mesh BASF RCVD SEP 10 '09
7705'-7846'	Fraced with 5000# 100 mesh BASF followed with 104,500# 40/70 mesh BASF 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
8-28-09	1 hr	24/64"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	525 lbs				1089 mcf/d ✓		

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

TEST WITH ASSUMED FOR RECORD

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

Lesley Higgins

TITLE Drlg COM

DATE 8-31-09

NMOCDB

SEP 08 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	3714'	3196'
						LEWIS	4024'	3447'
						CLIFFHOUSE	5984'	5405'
						MENEFEE	6029'	5449'
						POINT LOOKOUT	6199'	5619'
						MANCOS	6752'	6171'
						DAKOTA	8488'	7905'

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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: 850' FNL & 1980' FEL, sec 8, T31N, R5W
At top production interval reported below : 945' FSL & 1110' FEL, sec 5, T31N, R5W ✓
At total depth: Same

7. UNIT AGREEMENT NAME
Rosa Unit

Report to lease

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #41C

9 API WELL NO
30-039-30692-0001

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

11 SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec 8, T31N, R5W

12 COUNTY OR 13 STATE
Rio Arriba New Mexico

15 DATE 16 DATE T D 17 DATE COMPLETED (READY TO PRODUCE)
SPUDDED REACHED
5-19-09 6-12-09 8-29-09

14 PERMIT NO DATE ISSUED
18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6348' GR

19 ELEVATION CASINGHEAD

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T D, MD & TVD
8696' MD / 8113' TVD 8659' MD

22 IF MULTICOMP, 23 INTERVALS
HOW MANY DRILLED BY
2 *

ROTARY TOOLS CABLE TOOLS
x

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN DAKOTA 8490'-8666' MD To be commingled with Mancos Mesaverde to be completed
at later date

25 WAS DIRECTIONAL SURVEY MADE
YES

26 TYPE ELECTRIC AND OTHER LOGS RUN
Gamma Ray-Pulsed Neutro Decay Log 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
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29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
3-1/2"	7860'	8682'	50 sx		2 3/5", 4.7#, J-55 & N-80 EUE 8rd	7792'	none

31 PERFORATION RECORD (Interval, size, and number)

Dakota 8490'-8666' Total of 102, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8490'-8666'	Fraced with 5200# 100 mesh BASF followed with 121,400# 40/70 mesh BASF RCVD SEP 10 '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
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0	525 lbs				696 mcf/d ✓		

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

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 TITLE Drilg COM DATE 8-31-09

NMOCD 86

ACCEPTED FOR RECORD

SEP 08 2009

FARMINGTON FIELD OFFICE
BY J. Salvetti

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			
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