

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-078764

6 IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME  
Rosa Unit

Need CA

8 FARM OR LEASE NAME, WELL NO.  
Rosa Unit #183C

9 API WELL NO.  
30-039-30764-0002

10. FIELD AND POOL, OR WILDCAT  
Basin Mancos

REC'D NOV 9 '09

11. SEC, T, R, M, OR BLOCK AND  
SURVEY OR AREA  
Sec 19, T31N, R5W

12. COUNTY OR 13 STATE  
Rio Arriba New Mexico

19 ELEVATION CASINGHEAD

OIL CONS. DIV.

ROTARY TOOLS CABLE TOOLS  
x DIST. 3

25 WAS DIRECTIONAL SURVEY MADE  
No

27 WAS WELL CORED  
No

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL 1 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: 2330' FNL & 305' FEL, sec 19, T31N, R5W  
At top production interval reported below: Same  
At total depth: Same

RECEIVED

OCT 30 2009

Bureau of Land Management  
Farmington Field Office

14. PERMIT NO DATE ISSUED

15 DATE 16 DATE T D 17 DATE COMPLETED (READY TO PRODUCE)  
SPUDDED REACHED  
8-24-09 9-2-09 10-29-09

18 ELEVATIONS (DK, RKB, RT, GR, ETC)\*  
6327' GR

20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T D, MD & TVD  
8010' 8007' MD

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: 6864'-7260' MD

26 TYPE ELECTRIC AND OTHER LOGS RUN  
Array Induction, Compensated GR-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#	355'	14-3/4"	290 SX - SURFACE	
7-5/8", J-55	26 4#	3681'	9-7/8"	570 SX - SURFACE	
4-1/2", N-80	11 6#	8007' 8009'	6-3/4"	580 SX - 3085' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/4", 4 7/8", J-55, EUE 8rd	7980'	none

31 PERFORATION RECORD (Interval, size, and number)

Upper MC: Total of 60, 0.34" holes ✓

Lower MC: Total of 63, 0.34" holes ✓

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6864'-7054'	Fraced with 5029# 100 mesh BASF followed with 99,520# 40/70 mesh BASF
7097'-7260'	Fraced with 5048# 100 mesh BASF followed with 96,357# 40/70 mesh BASF

33 PRODUCTION NOTE: commingled with Mesaverde and Dakota per AZT 3248

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
10-28	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	450 lb.				997 mcf/d ✓		

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

TEST WITNESSED BY Weldon Higgins

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

Larry Higgins

TITLE Drilling COM

NMOCD

DATE 10-30-09

ACCEPTED FOR RECORD

NOV 04 2009

FARMINGTON FIELD OFFICE  
BY J. 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
						LEWIS	3590'	
						CLIFFHOUSE	5390'	
						POINT LOOKOUT	5646'	
						MANCOS	6114'	
						GRANEROS	7747'	
						DAKOTA	7881'	

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OMB NO. 1004-0137  
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5 LEASE DESIGNATION AND LEASE NO.  
NMSF-078764

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

RECEIVED

OCT 30 2009

2. NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

8 FARM OR LEASE NAME, WELL NO

Rosa Unit #183C

3. ADDRESS AND TELEPHONE NO

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

9. API WELL NO

30-039-30764 - 0001

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

At Surface 2330' FNL & 305' FEL, sec 19, T31N, R5W

At top production interval reported below Same

At total depth Same

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

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

Sec 19, T31N, R5W

12 COUNTY OR

Rio Arriba

13 STATE

New Mexico

15 DATE  
SPUDDED  
8-24-09

16 DATE T D  
REACHED  
9-2-09

17 DATE COMPLETED (READY TO PRODUCE)  
10-29-09

14 PERMIT NO

DATE ISSUED

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)\*  
6327' GR

19 ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD  
8010'

21. PLUG, BACK T D, MD & TVD  
8007' MD

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: 7880'-8002' MD

25. WAS DIRECTIONAL SURVEY MADE

No

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated GR-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#	355'	14-3/4"	290 SX - SURFACE	
7-5/8", J-55	26 4#	3681'	9-7/8"	570 SX - SURFACE	
4-1/2", N-80	11.6#	8007' 8009'	6-3/4"	580 SX - 3085' (CBL)	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/5", 4 7#, J-55, EUE 8rd	7980'	none

31 PERFORATION RECORD (Interval, size, and number)

Dakota. Total of 66, 0 34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL  
(MD)

AMOUNT AND KIND OF MATERIAL USED

7880' - 8002'

Fraced with 5003# 100 mesh BASF followed with 118,675# 40/70  
mesh BASF

RCVD NOV 9 '09

OIL CONS. DIV.

DIST. 2

33 PRODUCTION NOTE: commingled with Mesaverde and Mancos per AZT 3248

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
10-28	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	450 lb				647 mcf/d ✓		

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

TEST WITNESSED BY Weldon Higgins

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

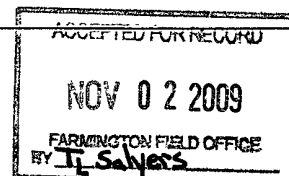
SIGNED

Larry Higgins

TITLE Drilling 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
						LEWIS	3590'	
						CLIFFHOUSE	5390'	
						POINT LOOKOUT	5646'	
						MANCOS	6114'	
						GRANEROS	7747'	
						DAKOTA	7881'	

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

RECEIVED

OCT 30 2009

Bureau of Land Management  
Farmington Field Office

1a TYPE OF WELL		OIL WELL		<input checked="" type="checkbox"/> GAS WELL		DRY		OTHER							
b TYPE OF COMPLETION		<input checked="" type="checkbox"/> 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: 2330' FNL & 305' FEL, sec 19, T31N, R5W ✓ At top production interval reported below : Same At total depth. Same															
10 FIELD AND POOL, OR WILDCAT Blanco Mesaverde															
11 SEC., T, R, M, OR BLOCK AND SURVEY OR AREA Sec 19, T31N, R5W															
12 COUNTY OR Rio Arriba															
13 STATE New Mexico															
14 PERMIT NO.															
DATE ISSUED															
15 DATE SPUDDED 8-24-09															
16 DATE T D REACHED 9-2-09															
17 DATE COMPLETED (READY TO PRODUCE) 10-29-09															
18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 6327' GR															
19 ELEVATION CASINGHEAD															
20 TOTAL DEPTH, MD & TVD 8010'															
21. PLUG, BACK T D, MD & TVD 8007' 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. 5396'-5908' MD															
25 WAS DIRECTIONAL SURVEY MADE No															
26 TYPE ELECTRIC AND OTHER LOGS RUN Array Induction, Compensated GR-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#		355'		14-3/4"		290 SX - SURFACE							
7-5/8", J-55		26.4#		3681'		9-7/8"		570 SX - SURFACE							
4-1/2", N-80		11 6#		8007'		6-3/4"		580 SX - 3085' (CBL)							
29 LINER RECORD															
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		30 TUBING RECORD SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2 3/5", 4.7#, J-55, EUE 8rd		7980'		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 49, 0.34" holes															
5396'-5610'															
Fraced with 79,672# 20/40 mesh BASF															
Lower MV. Total of 62, 0.34" holes															
5647'-5908'															
Fraced with 82,526# 20/40 mesh BASF															
33 PRODUCTION NOTE: commingled with Mesaverde and Dakota per AZT 3248															
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	
10-28		2 hr		1/2"											
FLOW TBG PRESS		CASING PRESSURE		CALCULATED 24-HOUR RATE				OIL - BBL		GAS - MCF		WATER - BBL		OIL GRAVITY-API (CORR)	
0		450 lb								1051 mcf/d					
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc) TO BE SOLD															
TEST WITNESSED BY Weldon Higgins															
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 Larry Higgins															
TITLE Drilling COM															
DATE 10-30-09															
NMCCD															
ACCEPTED FOR RECORD															
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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
						LEWIS	3590'	
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						POINT LOOKOUT	5646'	
						MANCOS	6114'	
						GRANEROS	7747'	
						DAKOTA	7881'	