

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-078767

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

Report to lease

2. NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

NOV 20 2009

8. FARM OR LEASE NAME, WELL NO

Rosa Unit #154B

3. ADDRESS AND TELEPHONE NO.

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

Bureau of Land Management  
FARMINGTON FIELD OFFICE

9. API WELL NO.

30-039-30804 - 0002

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

At Surface: 990' FSL & 880' FEL, sec 7, T31N, R5W

At top production interval reported below : 2336' FSL & 975' FEL, sec 7, T31N, R5W

At total depth: Same

10 FIELD AND POOL, OR WILDCAT  
Basin Mancos

11 SEC, T, R, M, OR BLOCK AND  
SURVEY OR AREA  
Sec 7, T31N, R5W

12 COUNTY OR  
Rio Arriba

13. STATE  
New Mexico

15 DATE  
SPUDDED  
9-28-09

16 DATE T.D.  
REACHED  
10-10-09

17 DATE COMPLETED (READY TO PRODUCE)  
11-17-09

14 PERMIT NO  
DATE ISSUED  
18 ELEVATIONS (DK, RKB, RT, GR, ETC)\*  
6355' GR

19 ELEVATION CASINGHEAD

20 TOTAL DEPTH, MD & TVD  
8262' MD / 8012' TVD

21 PLUG BACK T.D., MD & TVD  
8256' MD / 8006' TVD

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 Mancos: 7100'-7750' MD

Commingled with Mesaverde and Dakota per AZT-3277

25 WAS DIRECTIONAL SURVEY MADE

YES

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron, Ultra Sonic Gas Detector and CBL

27 WAS WELL CORED

No

28 CASING REPORT (Report all strings set in well) NOTE: production casing is mixed string of 52 jts 4-1/2" (6252'-8262') & 164 jts 5-1/2" (surface-6252')

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#	316'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26.4#	3882'	9-7/8"	600 SX - SURFACE	
5-1/2", N-80	17.0#	SEE BELOW	9-7/8"	SEE BELOW	
4-1/2", N-80	11.6#	8261'	6-3/4"	590 SX - 1760' (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 & N-80 EUE 8rd	8141'	none

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

Upper MC: Total of 66, 0.34" holes

Lower MC: Total of 75, 0.34" holes

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7100'-7310'	Fraced with 5100# 100 mesh BASF followed with 119,800# 40/70 mesh BASF
7400'-7750'	Fraced with 4900# 100 mesh BASF followed with 97,800# 40/70 mesh BASF

RCVD DEC 1 '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
11-15-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	440 lb				975 mcf/d		

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

TEST WITNESSED BY Sergio Borunda

35 LIST OF ATTACHMENTS

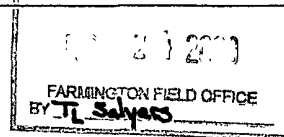
SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM,

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 Magg TITLE Drig COM DATE 11-20-09

NMOCB



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	3770'	3523'
						CLIFFHOUSE	5653'	5404'
						POINT LOOKOUT	5925'	5675'
						MANCOS	6429'	6179'
						GRANEROS	8035'	7785'
						DAKOTA	8170'	7920'

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

(See other instructions on reverse side)

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a.	TYPE OF WELL	1 OIL WELL	<u>X</u> GAS WELL	DRY	OTHER	RE
b	TYPE OF COMPLETION	<u>X</u> NEW WELL	WORKOVER	DEEPEN	PLUG BACK	
						OTHER

RECEIVED

5. LEASE DESIGNATION AND LEASE NO  
NMSF-078767

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME
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Rosa Unit

NMNM-78407A-MV

2. NAME OF OPERATOR

WILLIAMS PRODUCTION COMPANY

NOV 20 2009

8.FARM OR LEASE NAME, WELL NO.  
Rosa Unit #154B

3.	ADDRESS AND TELEPHONE NO	Bureau of Land Management, Flagstaff Field Office
	P.O. Box 640, Aztec, NM 87410	(505) 634-4208

9. API WELL NO.  
30-039-30804 - 00C3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At Surface: 990' FSL & 880' FEL, sec 7, T31N, R5W  
At top production interval reported below: 2336' FSL & 975' FEL, sec 7, T31N, R5W  
At total depth: Same

10. FIELD AND POOL, OR WILDCAT  
Blanco Mesaverde

11 SEC, T, R, M, OR BLOCK AND  
SURVEY OR AREA  
Sec 7, T31N, R5W

14. PERMIT NO.	DATE ISSUED
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12. COUNTY OR Rio Arriba	13 STATE New Mexico
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15. DATE SPUDDED 9-28-09	16. DATE T.D. REACHED 10-10-09	17. DATE COMPLETED (READY TO PRODUCE) 11-17-09
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18. ELEVATIONS (DK, RKB, RT,GR,ETC)\*  
6355' GR

19 ELEVATION CASINGHEAD

20 TOTAL DEPTH, MD & TVD 8262' MD / 8012' TVD	21 PLUG, BACK T D , MD & TVD 8256' MD / 8006' TVD
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22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY
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ROTARY TOOLS	CABLE TOOLS
X	

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

25 WAS DIRECTIONAL SURVEY MADE  
YES

26 TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction, Compensated Gamma Ray-Density-Neutron, Ultra Sonic Gas Dector and CBL

27. WAS WELL CORED  
No

28 CASING REPORT (Report all strings set in well) NOTE: production casing is mixed string of 52 jts 4-1/2" (6252'-8262') & 164 jts 5-1/2" (surface-6252')

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#	316'	14-3/4"	290 SX - SURFACE	
7-5/8", K-55	26.4#	3882'	9-7/8"	600 SX - SURFACE	
5-1/2", N-80	17.0#	SEE BELOW	9-7/8"	SEE BELOW	
4-1/2", N-80	11.6#	8261'	6-3/4"	590 SX -1760' (CBL)	

29 LINER RECORD					30 TUBING 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	8141'	none

31 PERFORATION RECORD (Interval, size, and number)

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC	
DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED

Upper MV: Total of 52, 0 34" holes

5669'-5879' Fraced with 85,904# 20/40 mesh, BASF

Lower MV: Total of 56, 0 34" holes

5925'-6324' Fraced with 81,902# 20/40 mesh BASF

33 PRODUCTION

031. 2

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
11-15-09	2 hr	1/2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR )
0	440 lb				1027 mcf/d		

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

TEST WITNESSED BY Serjio Borunda

## 35. LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM,

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

SIGNED [Signature] TITLE Dir COM DATE 11-20-09

NMOCB *Bo*

ACCEPTED FOR RECORD  
NOV 2 1963  
FARMINGTON FIELD OFFICE  
BY T. J. 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
						LEWIS	3770'	3523'
						CLIFFHOUSE	5653'	5404'
						POINT LOOKOUT	5925'	5675'
						MANCOS	6429'	6179'
						GRANEROS	8035'	7785'
						DAKOTA	8170'	7920'

In Lieu of  
Form 3160  
(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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

RECEIVED

NOV 20 2009

Bureau of Land Management  
Farmington Field Office

1a. TYPE OF WELL <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER		7 UNIT AGREEMENT NAME Rosa Unit	
b. TYPE OF COMPLETION: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> OTHER		Report to lease	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY		8 FARM OR LEASE NAME, WELL NO Rosa Unit #154B	
3. ADDRESS AND TELEPHONE NO. P.O. Box 640, Aztec, NM 87410 (505) 634-4208		9. API WELL NO. 30-039-30804-0001	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 990' FSL & 880' FEL, sec 7, T31N, R5W At top production interval reported below: 2336' FSL & 975' FEL, sec 7, T31N, R5W At total depth: Same		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
		11 SEC, T, R, M, OR BLOCK AND SURVEY OR AREA Sec 7, T31N, R5W	
14 PERMIT NO		DATE ISSUED	
15 DATE SPUDDED 9-28-09		16 DATE T D REACHED 10-10-09	
17 DATE COMPLETED (READY TO PRODUCE) 11-17-09		18 ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6355' GR	
20. TOTAL DEPTH, MD & TVD 8262' MD / 8012' TVD		21 PLUG, BACK T.D., MD & TVD 8256' MD / 8006' 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: 8172'-8254' MD Commingled with Mesaverde and Mancos per AZT-3277		25 WAS DIRECTIONAL SURVEY MADE YES	
26. TYPE ELECTRIC AND OTHER LOGS RUN Array Induction, Compensated Gamma Ray-Density-Neutron, Ultra Sonic Gas Detector and CBL		27 WAS WELL CORED No	
28 CASING REPORT (Report all strings set in well) NOTE: production casing is mixed string of 52 jts 4-1/2" (6252'-8262') & 164 jts 5-1/2" (surface-6252')			
CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE
10-3/4", J-55	40 5#	316'	14-3/4"
7-5/8", K-55	26 4#	3882'	9-7/8"
5-1/2", N-80	17.0#	SEE BELOW	9-7/8"
4-1/2", N-80	11 6#	8261'	6-3/4"
29 LINER RECORD		30 TUBING 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
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	
		8172'-8254'	
		Fraced with 5000# 100 mesh BASF followed with 102,900# 40/70 mesh BASF	
		RCVD DEC 1 '09	
		OIL CONS. DIV.	
		DIST. 3	

33 PRODUCTION		DATE OF FIRST PRODUCTION				PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing		WELL STATUS (PRODUCING OR SI) SI - waiting on tie-in	
DATE OF TEST 11-15-09	TESTED 2 hr	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO		
FLOW TBG PRESS 0	CASING PRESSURE 440 lb	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF 632 mcf/d	WATER - BBL	OIL GRAVITY-API (CORR)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD						TEST WITNESSED BY: Sergio Borunda			
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 Meyer TITLE Drig COM DATE 11-20-09

NMOCD 80

NOV 24 2009  
FARMINGTON FIELD OFFICE  
BY T. Galters

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	3770'	3523'
						CLIFFHOUSE	5653'	5404'
						POINT LOOKOUT	5925'	5675'
						MANCOS	6429'	6179'
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						DAKOTA	8170'	7920'