

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-078765

6 IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

Rosa Unit

NMNM-78407A-MV

8 FARM OR LEASE NAME, WELL NO
Rosa Unit COM #60B

9 API WELL NO
30-045-34251-0003

10 FIELD AND POOL, OR WILDCAT
MESAVERDE

11 SEC., T, R, M., OR BLOCK AND
SURVEY OR AREA
SE/4 SW/4, Sec4, T31N, R6W

12 COUNTY OR
San Juan

13 STATE
New Mexico

19 ELEVATION CASINGHEAD

25 WAS DIRECTIONAL SURVEY MADE
NO

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 ☐ X 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 275' FSL & 1450' FWL, sec 4, T31N, R6W
At top production interval reported below :
At total depth.

Bureau of Land Management
Farmington Field Office

JUL 07 2009

RECEIVED

15 DATE SPUDDED 4-7-08	16 DATE T D REACHED 5-19-08	17 DATE COMPLETED (READY TO PRODUCE) 7/1/09	18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 6416' GR	19 ELEVATION CASINGHEAD
20 TOTAL DEPTH, MD & TVD 8225' MD	21 PLUG, BACK T D, MD & TVD 8168'	22 IF MULTICOMP, HOW MANY 3*	23 INTERVALS DRILLED BY	ROTARY TOOLS x
24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Mesaverde 5105' - 5938'				25 WAS DIRECTIONAL SURVEY MADE NO
26 TYPE ELECTRIC AND OTHER LOGS RUN				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
20", X-52	94#	421'	26"	750 SX - SURFACE	
10-3/4", K-55	45.5#	3666'	14-3/4"	1560 SX - SURFACE	
5-1/2", N-80	17.0#	8224'	6-3/4"	245 SX - 3650' (CBL)	

29 LINER RECORD				30 TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
7-5/8", K-55, 26 4#	3498'	6024'	400 sx TOC - 5900' (CBL)		2 3/5", 4 7#, J-55, EUE 8rd	8045'	none

31 PERFORATION RECORD (Interval, size, and number)		32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1 st stage 5681' - 5938' Total of 54, 0 34" holes ✓		5681' - 5938'	Fraced with 88,200# 20/40 BASF RCVD JUL 14'09
2 nd stage 5105' - 5628' Total of 64, 0 34" holes ✓		5105' - 5628'	OIL CONS. DIV. Fraced with 74,900# 20/40 BASF DIST. 3

33 PRODUCTION NOTE Blanco Mesa Verde, Basin Mancos & Basin Dakota to be commingled per AZT-3181

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
07/06/09 ✓		Flowing				Producing ✓	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
6/29/09	10 hr	2"					
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR.)
0	9 #				1800 p/day ✓		

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

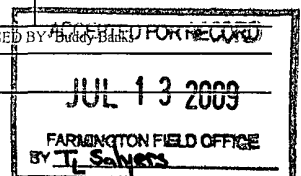
SIGNED Heather Riley

Heather Riley

NMOC

Regulatory Specialist

DATE 07/07/09



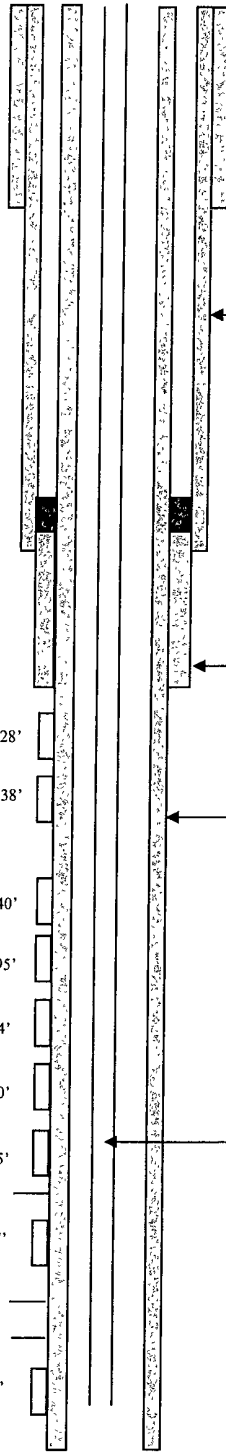
37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)					38 GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						KIRTLAND	2485'	
						FRUITLAND COAL	2941'	
						PICTURED CLIFFS	3200'	
						CLIFFHOUSE	5391'	
						MENEFEE	5433'	
						POINT LOOKOUT	5680'	
						MANCOS	6015'	
						DAKOTA	7920'	

ROSA UNIT COM #60B ✓
BLANCO MESAVERDE/BASIN MANCOS/BASIN DAKOTA

Location: 275' FSL, 1450' FWL
 SE/4 SW/4 Section 4(N), T31N, R6W
 San Juan Co., NM
Elevation: 6416' GR
API: 30-045-34251

Spud Date 4-7-2008
Completed 6-22-2008 (DK)
 10-06-2008 (MC)
 7-01-2009 (MV)
ID'd 06-24-2008 (DK)
 10-16-2008 (MC)
 07/06/2009 (MV)

<i>Tops</i>	<i>Depth</i>
Ojo Alamo	2369'
Kirtland	2485'
Pictured Cliffs	3200'
Cliff House	5391'
Point Lookout	5680'
Mancos	6015'
Dakota	7920'



10 jts of 20", 94#, X-52, BT&C csg.
 Set @ 421'
 Hole Size: 26"

83 jts of 10-3/4", 45.5#, K-55, BT&C csg. Set @
 3666'
 Hole Size: 14-3/4"

RCVD JUL 14 '09
OIL CONS. DIV.

DIST. 3

55 jts of 7-5/8", 26.4#, K-55, LT&C csg, set
 @ 6024' Top of Liner 3498'
 Hole Size: 9-7/8"

183 jts of 5-1/2", 17#, N-80 LT&C csg
 Landed @ 8224' Float collar @ 8175'.
 Marker jt @ 2652'
 Hole Size 6-3/4"

Tubing landed as follows: 2 3/8" 4.7# J-55 eue tbg as follows
 top down w/ KB corr: 256 jts, 1.78" F-NPL @ 8012', 1 jt,
 1/2 muleshoe @ 8045'

Mesa Verde:

2nd stage: 5105' - 5628' (64, 0.34" holes)
 Frac w/74,900# 20/40 BASF

1st stage: 5681' - 5938' (54, 0.34" holes)
 Frac w/ 88,200# 20/40 BASF

Mancos:

6th stage: 6545' - 6740' (42, 0.34" holes)
 Frac w/5880# 100 white mesh followed
 w/100,140# 40/70 Arizona sand

5th stage: 6805' - 6895' (30, 0.34" holes)
 Frac w/3910# 100 white mesh sand
 followed w/94,762# 40/70 Ottawa

4th stage: 6930' - 7074' (30, 0.34" holes)
 Frac w/ 7600# 100 white mesh sand
 followed w/18000# 40/70 white sand

3rd stage: 7150' - 7270' (27, 0.34" holes)
 Frac w/7640# 100 white mesh sand
 followed w/117240 40/70 white sand

2nd stage: 7415' - 7535' (75, 0.34" holes)
 Frac w/7500# 100 white mesh sand
 followed w/26500# 40/70 white sand

1st stage: 7644' - 7687' (24, 0.36" holes)
 Frac w/ 8140# 100 white mesh sand
 followed w/8540# 40/70 white sand

7750' (6, 0.36" holes) pump in only

7810' (6, 0.36" holes) pump in only

Dakota: 7920' - 8052' (63, 0.36" holes)

Frac w/9900# LP108 14/40 followed
 w/3000# tempered LC 20/40.

TD @ 8225'
 PBTD @ 8168'

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
26"	20"	750 sx	1058 cu.ft	Surface
14-3/4"	10-3/4"	1560 sx	3107 cu.ft.	Surface
9-7/8"	7-5/8"	400 sx	856 cu.ft.	5900' (CBL)
6 3/4"	5 1/2"	245 sx	558 cu.ft	3650' (CBL)