

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
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DUPLICATE

(See other instructions on
reverse side)
AUG 24 2011

RECD SEP 1 11
OIL CONS. DIV.

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

5 LEASE DESIGNATION AND LEASE NO.
NMSF-078777

6 IF INDIAN ALLOTTEE OR

7. UNIT AGREEMENT NAME
Rosa Unit

NMM 78407X

8 FARM OR LEASE NAME, WELL NO
Rosa Unit #601

9 API WELL NO
30-039-30916 -0001

10. FIELD AND POOL, OR WILDCAT
Basin Dakota

12 COUNTY OR
Rio Arriba

13 STATE
New Mexico

19 ELEVATION CASINGHEAD

ROTARY TOOLS
x

CABLE TOOLS

25 WAS DIRECTIONAL SURVEY MADE
no

27 WAS WELL CORED
NO

WELL COMPLETION OR RECOMPLETION REPORT

Farmington Field Office
Bureau of Land Management

1a. TYPE OF WELL 1 OIL WELL ☒ GAS WELL DRY OTHER

b TYPE OF COMPLETION
X 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: 1475' FNL & 1220' FEL, SEC 31, T31N, R4W
At top production interval reported below: Same
At total depth:

14 PERMIT NO
DATE ISSUED
18 ELEVATIONS (DK, RKB, RT, GR, ETC)*
6963' GR

15 DATE
SPUDDED
9-13-10

16 DATE T D
REACHED
10-18-10

17 DATE COMPLETED (READY TO PRODUCE)
8/23/11

20 TOTAL DEPTH.
8807' MD

21 PLUG BACK T D, MD & TVD
8610' MD

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Basin Dakota: 8395'-8540' NOTE CIBPs @ 8630' & 8660' left in hole

26 TYPE ELECTRIC AND OTHER LOGS RUN Run 1 - Array Compensated Resistivity, Spectral Density/Dual Spaced Neutral, GR.,
Run 2 - Wave Sonic, Compensated Spectral Natural Gamma Ray. 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#	353'	14-3/4"	290 SX - SURFACE	50 bbls.
7 5/8", J-55	26 4#	4262'	9-7/8"	750 SX - Surface	108 bbls.
4 1/2", P-110	11 6#	8805'	6-3/4"	615 SX - 4450'	

29 LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375", 4.7#, N-80, EUE 8rd	8524'	none

30 TUBING RECORD

32 ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8395'-8430'	No stimulation - pressured out @ 6950#
8468'-8540'	Frac with 4961# 100 mesh followed with 101,529# 40/70 mesh Ottawa
8683'-8722'	No Frac

DK 3rd Stage - 24, 0.34" holes

DK 2nd Stage - 48, 0.34" holes

DK 1st Stage - 27, 0.34" holes CIBP @ 8630 & 8660, this interval not producing

33 PRODUCTION

Commingled with Mancos per DHC- 3636-AZ

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
5-5-11						producing	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF	WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL.	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)

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

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

Correy Higgins

TITLE PERMIT SUPV

DATE 8/24/11

NMOCD

AUG 26 2011
FARMINGTON FIELD OFFICE
BY *SA*

ACCEPTED FOR RECORD

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
						OJO ALAMO	3209'	
						PICTURED CLIFFS	3786'	
						CLIFFHOUSE	6000'	
						POINT LOOKOUT	6217'	
						MANCOS	6738'	
						GRANEROS	8328'	
						DAKOTA	8467'	

ROSA UNIT #601

BASIN MANCOS/BASIN DK

Location: 1475" FNL & 1220" FEL
SE/4 NE/4 Section 31 (H), T31N, R4W
Rio Arriba Co., NM
Elevation: 6963' GR
API: 30-039-30916

Spud Date 09/13/2010
Completed 08/23/2011
ID'd:
Mancos 05/26/2011
Dakota 05/05/2011

<u>Tops</u>	<u>Depth</u>
Ojo Alamo	3209'
Kirtland	3325'
Pictured Cliffs	3786'
Cliff House	6000'
Point Lookout	6217'
Mancos	6738'
Graneros	8328'
Dakota	8467'

MC 5th 6925'-7025' (33, 34" holes) Frac w/7500#
100 mesh PSA followed w/99,900# 30/70 PSA

MC 4th 7470'-7630' (39, 34" holes) Frac w/ 7500#
100 mesh Ottawa followed w/139,400# 40/70
Ottawa

MC 3rd 7705'-7855' (42, 34" holes) Frac w/ 7660#
100 mesh followed w/130,050# 30/70 PSA

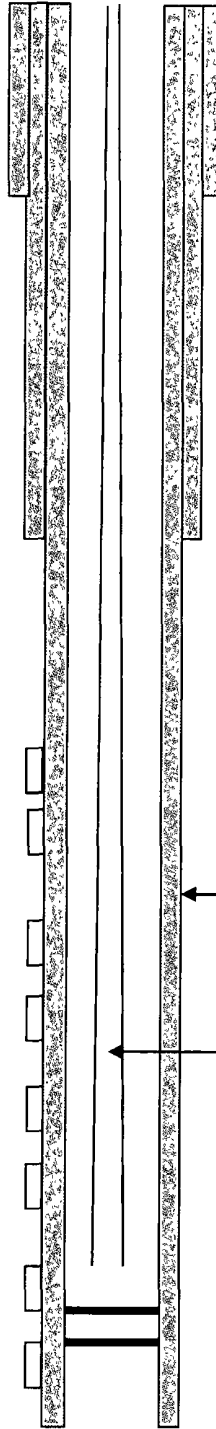
MC 2nd 7985'-8095' (36, 34" holes) Frac
w/7640# 100 mesh followed w/61,545# 30/50
Ottawa

MC 1st 8280'-8320' (27, 34" holes) Frac w/5200#
100 mesh followed w/80,200# 30/50 uniman sand

Dakota 3rd 8395'-8430' (24, 34" holes)
No stimulation – pressured out @6950#

Dakota 2nd 8468'-8540' (48, 34" holes) Frac
w/4961# 100 mesh sand followed w/101,529# 40/70
Ottawa sand

Dakota 1st stage 8683'-8722' (27, 34" holes)
No stimulation



8 jts of 10-3/4", 40.5#, J-55, ST&C csg.
Set @ 353'
Hole Size: 14-3/4"

96 jts of 7-5/8", 26.4#, J-55, LT&C csg. Set @
4262'.
Hole Size: 9-7/8"

218 jts of 4-1/2", 11 6#, P-110, LT&C csg
Landed @ 8805'. Float collar @ 8779'
Marker jt @ 6230'
Hole Size: 6-3/4"

Land well @ 8524 KB as follows, one 1/2 MS-Exp chk, one
jt 2 375" N-80, 4.7#, EUE 8rnd tbg, one 1.78" F-nple,
274 jts of 2.375" N-80, 4.7#, EUE 8rnd tbg (275 total jts), F-
npe set @ 8493'

CIBP left in hole @ 8630'
CIBP left in hole @ 8660'

TD @ 8807'
PBD @ 8610'

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
14-3/4"	10-3/4"	290 sx	522 cu.ft.	Surface
9-7/8"	7-5/8"	750 sx	1866 cu.ft.	Surface
6-3/4"	4-1/2"	615 sx	861 cu.ft.	4450' (CBL)

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WELL COMPLETION OR RECOMPLETION REPORT

1a	TYPE OF WELL	F 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					8 FARM OR LEASE NAME, WELL NO Rosa Unit #601	
3	ADDRESS AND TELEPHONE NO P.O. Box 640, Aztec, NM 87410 (505) 634-4208					9 API WELL NO 30-039-30916 - 00C2	
4.	LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 1475' FNL & 1220' FEL, SEC 31, T31N, R4W At top production interval reported below Same At total depth:					10. FIELD AND POOL, OR WILDCAT Basin Mancos	
		14 PERMIT NO		DATE ISSUED		12 COUNTY OR Rio Arriba	13 STATE New Mexico
15 DATE SPUDED 9-13-10	16 DATE T D REACHED 10-18-10	17 DATE COMPLETED (READY TO PRODUCE) 8-23-11		18 ELEVATIONS (DK, RKB, RT,GR,ETC)* 6963' GR		19 ELEVATION CASINGHEAD	
20 TOTAL DEPTH, 8807' MD		21 PLUG BACK T.D. MD & TVD 8610' 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)* Blanco Mancos 6925'-8320'						25 WAS DIRECTIONAL SURVEY MADE no	
26. TYPE ELECTRIC AND OTHER LOGS RUN Run 1 - Array Compensated Resistivity, Spectral Density/Dual Spaced Neutral,GR., Run 2 - Wave Sonic, Compensated Spectral Natural Gamma Ray. CBL						27 WAS WELL CORED NO	

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29 LINER RECORD				30 TUBING RECORD			
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7985'-8095'	Frac with 7640# 100 mesh followed with 61,545# 30/50 mesh Ottawa.
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33 PRODUCTION Commingled with Dakota per DHC-3636-AZ							
DATE OF FIRST PRODUCTION 5-26-11	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SI) producing					
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	TEST TEMPERATURE
FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc) TO BE SOLD						TEST WITNESSED BY	



NMOCD

FARMINGTON FIELD OFFICE
AUG 26 2011

35 LIST OF ATTACHMENTS

SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

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