

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

SUBMIT IN  
DUPLICATE

OCT 11 2011  
(See other instructions  
reverse side)

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

Farmington Field Office  
Bureau of Land Management

WELL COMPLETION OR RECOMPLETION REPORT

1a	TYPE OF WELL	<input type="checkbox"/> OIL WELL	<input checked="" type="checkbox"/> GAS WELL	<input type="checkbox"/> DRY	<input type="checkbox"/> OTHER			
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	
2	NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY					7 UNIT AGREEMENT NAME Rosa Unit		
3	ADDRESS AND TELEPHONE NO P O. Box 640, Aztec, NM 87410 (505) 634-4208					8 FARM OR LEASE NAME, WELL NO Rosa Unit #600		
4	LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 2320' FNL & 2600' FWL, SEC 11, T31N, R4W At top production interval reported below : Same At total depth:					9 API WELL NO 30-039-29783-0001		
					14 PERMIT NO	DATE ISSUED	12 COUNTY OR Rio Arriba	13 STATE New Mexico
15 DATE SPUDDED 7-18-10	16 DATE T D REACHED 9-6-10	17 DATE COMPLETED (READY TO PRODUCE) Did not produce Put on TA status 10-3-11		18 ELEVATIONS (DK, RKB, RT,GR,ETC)* 7018' GR		19 ELEVATION CASINGHEAD		
20 TOTAL DEPTH 9032' MD		21 PLUG BACK T D MD & TVD 8520' 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 Dakota: 8545'-8922' NOTE CIBPs @ 8530', 8670' & 8820' left in hole - Formation on TA status						25 WAS DIRECTIONAL SURVEY MADE no		
26 TYPE ELECTRIC AND OTHER LOGS RUN Run 1 -Array Compensated Resistivity, Spectral Density/Dual Spaced Neutral,GR wave sonic. Run 2 - Array Compensated Resistivity, Spectral Density/Dual Spaced Neutral,GR wave sonic, Compensated Spectral Natural GR, Extended Range Micro Imager 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
13-3/8", L-80	68#	533'	17-1/2"	440 SX - SURFACE	646615
9 5/8" K-55	36#	4513'	12-1/4"	1050 SX - 160' (temp)	
4 1/2", P-110	11 6#	9032'	7-7/8"	1735 SX - 3300' (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#, N-80, EUE 8rd	8455'	none

32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8545'-8580'	5100# 100 mesh followed with 80,200 30/50 mesh Ottawa
8690'-8706'	104,060# 20/40 mesh BASF
8874'-8922'	No Frac

33 PRODUCTION							
Not on production - Formation on TA status							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
						Shut in	
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 (Sold, used for fuel, vented, etc ) TO BE SOLD TEST WITNESSED BY RECORD

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 PERMIT SUPV

DATE 10/11/11

OCT 14 2011

FARMINGTON FIELD OFFICE  
BY SAW

NMOCDA

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	3332'	
						PICTURED CLIFFS	3945'	
						CLIFFHOUSE	6224'	
						POINT LOOKOUT	6394'	
						MANCOS	6914'	
						GRANEROS	8500'	
						DAKOTA	8603'	

# ROSA UNIT #600

## BASIN MANCOS/BASIN DK

**Location:** 2320' FNL & 2600' FWL  
SE/4 NW/4 Section 11 (F), T31N, R4W  
Rio Arriba Co., NM  
**Elevation:** 7018' GR  
**API:** 30-039-29783

Spud Date 07/18/2010  
Completed 10/05/2011  
ID'd.  
Mancos 06/28/2011  
Dakota TA'd 10/03/2011

### Tops                      Depth

Ojo Alamo	3332'
Kirtland	3466'
Pictured Cliffs	3945'
Cliff House	6224'
Point Lookout	6394'
Mancos	6914'
Graneros	8500'
Dakota	8603'

MC 5th 7515'-7445' (24, 34" holes) Frac w/7500# 100 mesh sand followed w/100,400# 30/70 mesh Ottawa sand

MC 4th 7590-7795' (42, 34" holes) Frac w/ 7640# 100 mesh PSA followed w/144,840# 30/70 PSA

MC 3rd 7865'-8045' (42, 34" holes) Frac w/ 7500# 100 mesh followed w/149,100# 30/70 PSA sand

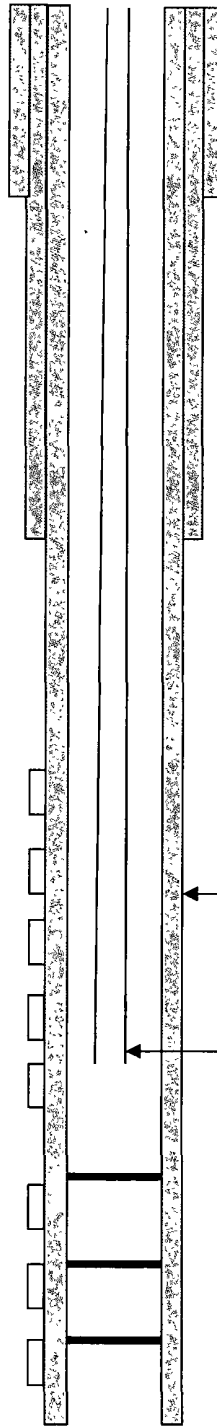
MC 2nd 8160'-8280' (30, 34" holes) Frac w/7600# 100 mesh Brady followed w/140,400# 30/50 Brady

MC 1st 8460'-8495' (24, 34" holes) Frac w/5020# 100 mesh white sand followed w/25,000# 30/70 Brown sand

Dakota 3rd 8545'-8580' (24, 34" holes) Frac w/5100# 100 mesh followed w/80,200# 30/50 Ottawa sand

Dakota 2nd 8690'-8706' (16, 34" holes) Frac w/104,060# 20/40 mesh BASF

Dakota 1st stage 8874'-8922' 16, 34" holes)  
No stimulation



← 13 jts of 13-3/8", 68#, L-80, BT&C csg.  
Set @ 533'  
Hole Size: 17-1/2"

← 100 jts of 9-5/8", 36#, K-55, LT&C csg. Set @ 4513'.  
Hole Size: 12-1/4"

← 202 jts of 4-1/2", 11 6#, P-110, LT&C csg  
Landed @ 9032' Float collar @ 9010'.  
Marker jt @ 5374'  
Hole Size 7-7/8"

← Land well at 8455' KB as follows one 1/2 M/S - Exp/Chk, one joint 2 3/75", N-80, 4 7 #, EUE, 8 rd tbg, one 1.78" F Nipple, 259 jts 2 3/75", N-80, 4.7 #, EUE, 8 rd tbg, (260 total jts), F Nipple set at 8423'

CIBP @ 8530'

CIBP @ 8670'

CIBP @ 8820'

TD @ 9032'  
PBSD @ 8520'

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
17-1/2"	13-3/8"	440 sx	790 cu ft	Surface
12-1/4"	9-5/8"	1050 sx	2705 cu.ft.	160' (temp)
7-7/8"	4-1/2"	1735 sx	2429 cu ft.	3300' (CBL)

RECEIVED

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  
reverseside)

OCT 11 2011

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

Farmington Field Office  
Bureau of Land Management

LEASE DESIGNATION AND LEASE NO  
NMSF-078888

IF INDIAN ALLOTTEE OR

WELL COMPLETION OR RECOMPLETION REPORT

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: 2320' FNL & 2600' FWL, SEC 11, T31N, R4W At top production interval reported below Same At total depth:			
14	PERMIT NO	DATE ISSUED		12	COUNTY OR
15	DATE SPUDDED	16	DATE T D REACHED	17	DATE COMPLETED (READY TO PRODUCE)
18	ELEVATIONS (DK, RKB, RT, GR, ETC)*	7018' GR		19	ELEVATION CASINGHEAD
20	TOTAL DEPTH	21	PLUG BACK T D, MD & TVD	22	IF MULTICOMP, HOW MANY
23	INTERVALS DRILLED BY	24	PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*	25	WAS DIRECTIONAL SURVEY MADE
26	TYPE ELECTRIC AND OTHER LOGS RUN	Run 1 - Array Compensated Resistivity, Spectral Density/Dual Spaced Neutral, GR wave sonic		27	WAS WELL CORED
28	CASING REPORT (Report all strings set in well)	Run 2 - Array Compensated Resistivity, Spectral Density/Dual Spaced Neutral, GR wave sonic, Compensated Spectral Natural GR, Extended Range Micro Imager CBL			

CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
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9 5/8", K-55	36#	4513'	12-1/4"	1050 SX - 160' (temp)	
4 1/2", P-110	11.6#	9032'	7-7/8"	1735 SX - 3300' (CBL)	

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/5", 4 7#, N-80, EUE 8rd	8455'	none

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7515'-7445'	7500# 100 mesh followed with 100,400# mesh Ottawa
7590'-7795'	7640# 100 mesh PSA followed with 144,840# 30/70 mesh PSA
7865'-8045'	7500# 100 mesh followed with 149,100# 30/70 mesh PSA
8160'-8280'	7600# 100 mesh Brady followed with 140,400# 30/50 mesh Brady
8460'-8495'	5020# 100 mesh white followed with 25,000# 30/70 brown

MC 5<sup>th</sup> stage - 24, 0 34" holes

MC 4<sup>th</sup> Stage - 42, 0 34" holes

MC 3<sup>rd</sup> Stage - 42, 0 34" holes

MC 2<sup>nd</sup> Stage - 30, 0 34" holes

MC 1<sup>st</sup> Stage - 24, 0.34" holes



33 PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SHUT IN)	
6-28-11						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)

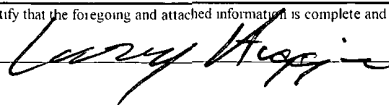
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TEST WITNESSED BY

NMOC

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TITLE PERMIT SUPVDATE 10/11/11

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