

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

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 ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 3102 MS 25-1 TULSA, OK 74101 (918) 573-6254

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 1385' FSL & 2020' FEL
At top production interval reported below:
At total depth:

5. LEASE DESIGNATION AND LEASE NO.
SF-078764

6. IF INDIAN ALLOTTEE OR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #232A

9. API WELL NO.
30-039-29507

10. FIELD AND POOL, OR WILDCAT
BASIN FRUITLAND COAL

11. SEC. T.R.M., OR BLOCK AND
SURVEY OR AREA
NW/4 SE/4 SEC 20-31N-5W

12. COUNTY OR
RIO ARRIBA

13. STATE
NEW MEXICO

15. DATE
SPUDDED
08/05/05

16. DATE T.D.
REACHED
11/01/05

17. DATE COMPLETED (READY TO PRODUCE)
11/03/05

14. PERMIT NO.
DATE ISSUED
MAY 2006

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6416' GR

19. ELEVATION CASINGHEAD

20. TOTAL DEPTH, MD & TVD
3396' MD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED BY

ROTARY TOOLS
x

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
BASIN FRUITLAND COAL 3140' - 3298'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
NONE

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
9-5/8", J-55	36#	336'	12-1/4"	220 SX - SURFACE	
7", K-55	23#	3139'	8-3/4"	450 SX - SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2", 17#N-80	3057'	3385'	0 SX		2-7/8", J-55, 6.5#	3353'	

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

Basin Fruitland Coal: 3140'-50', 3186'-96', 3218'-28', 3248'-89' & 3292'-98'. Total of 300 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)
AMOUNT AND KIND OF MATERIAL USED
WELL WAS NOT ACIDIZED OR FRACED

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI) SI, well on vacuum, no flow	
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.):

TEST WITNESSED BY:

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 Nancy Ross TITLE Sr. Production Analyst DATE May 4, 2006

ACCEPTED FOR RECORD

NMOCD

MAY 09 2006

FARMINGTON FIELD OFFICE

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	2576'	
					KIRTLAND	2681'	
					FRUITLAND	3056'	
					PICTURED CLIFFS	3306'	