

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-078768

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME

Rosa Unit

8. FARM OR LEASE NAME, WELL NO.
Rosa Unit SWD #002

9. API WELL NO.
30-039-30812 - 0051

10. FIELD AND POOL, OR WILDCAT
ENTRADA

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
Sec 25, 31N, 5W

12. COUNTY OR
Rio Arriba

13. STATE
New Mexico

19. ELEVATION CASINGHEAD

1a. TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ DRY ☒ OTHER SWD

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 640, Aztec, NM 87410 (505) 634-4208

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At Surface: 2460' FNL & 2095' FWL, SEC 25, T31N, R5W
At top injection interval reported below : 2414' FNL & 1951' FWL, SEC 25, T31N, R5W
At total depth:

15. DATE
SPUDDED
8/26/10

16. DATE T.D.
REACHED
9/25/10

17. DATE COMPLETED (READY TO PRODUCE)
10/29/10

14. PERMIT NO.

DATE ISSUED

18. ELEVATIONS (DK, RKB, RT, GR, ETC.)*
6447' GR

20. TOTAL DEPTH,
9383' MD

21. PLUG, BACK T.D., MD & TVD
9334' MD

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)*
ENTRADA 8334'-9292' Injection zone

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED
NO

Array Induction Resistivity (2), GR (2), Compensated Density-Neutron (2), Compensated Borehole Sonic

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#	502'	17 1/2"	690 SX - SURFACE	
9 5/8", NS-80	40#	3764'	12 1/4"	870 SX - SURFACE	
7", L-80	29#	9380'	8 3/4"	705 SX - 4400'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					3.5", 9.3#, N-80, EUE 8rd	8282'	8284'

Morrison - 432, 0.38" holes

Bluff - 486, 0.38" holes

Entrada - 708, 0.38" holes

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

DEPTH INTERVAL
(MD)

AMOUNT AND KIND OF MATERIAL USED

8334'-8716'

Frac with 183,336# 20/40 White Sand

8746'-8908'

Frac with 186,400# 20/40 Badger

9056'-9292'

Frac with 233,000 20/40 Badger

33. PRODUCTION MV, MC & DK Note: SWD injection well per SWD-1236

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (PRODUCING OR SI)	
		Injection					
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

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

Lowrey Higgins

NMOCD

PERMIT SUPV

DATE

11-2-10

NOV 09 2010

FARMINGTON FIELD OFFICE
BY *JL Sayers*

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
					FRUITLAND	3080'	
					LEWIS	3607'	
					CLIFFHOUSE	5521'	
					POINT LOOKOUT	5744'	
					MANCOS	6204''	
					GRANEROS	7850'	
					DAKOTA	7992'	
					MORRISON	8218'	
					BLUFF	8736'	
					ENTRADA	9052'	

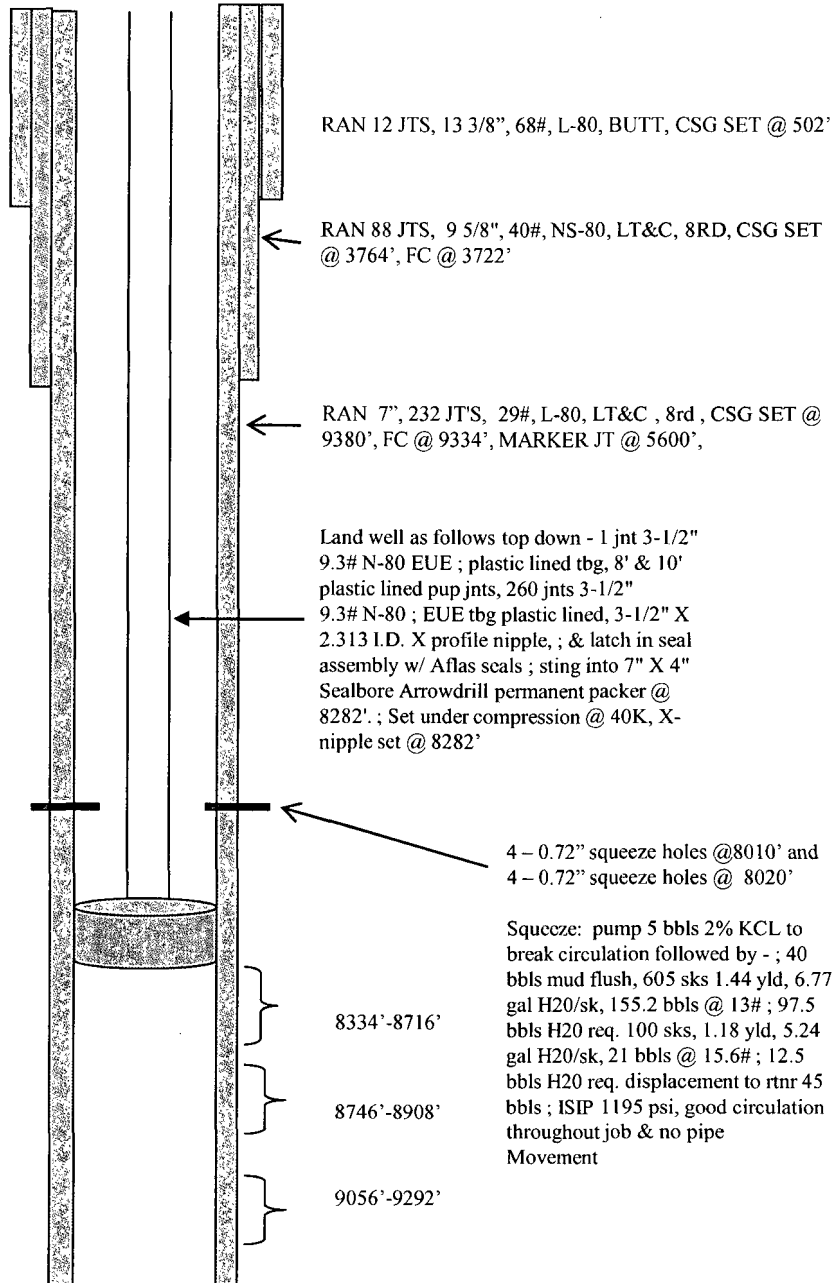
ROSA UNIT SWD #002 ENTRADA

Spud Date 8/26/10
Completed 10/29/10

Surface Location:
Sur: 2460' FNL & 2095' FWL
BHL: 2414' FNL & 1951' FWL
Sec 25, 31N, 5W
Rio Arriba, NM

Elevation: 6447' GR
API #: 30-039-30812

<u>Tops</u>	<u>Depth</u>
Fruitland	3080'
Lewis	3607'
Cliff House	5521'
Point Lookout	5744'
Mancos	6204'
Graneros	7850'
Dakota	7992'
Morrison	8218'
Bluff	8736'
Entrada	9052'



3RD STAGE Morrison: 8334'-8716' (432, 0.38" holes)
Frac with 183,336# 20/40 White Sand

2ND STAGE Bluff: 8746'-8908' (486, 0.38" holes)
Frac with 186,400# 20/40 Badger

1ST STAGE Entrada: 9056'-9292' (708, 0.38" holes)
Frac with 233,000# 20/40 Badger

TD @ 9383'
PBTD @ 9334'

HOLE SIZE	CASING	CEMENT	CU. FT.	CMT TOP
17 1/2"	13 3/8", 68#	690 s xs	792 cu.ft.	surface
12 1/4"	9 5/8", 40#	870 s xs	1783 cu.ft.	surface
8 3/4"	7", 29#	705 s xs	989 cu.ft.	3400' - CBL