

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF-078773
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 588-4592	7. If Unit or CA, Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2065' FSL & 1610' FWL, NE/4 SW/4, SEC 34 T31N R5W	8. Well Name and No. ROSA UNIT #270
	9. API Well No. 30-039-24964
	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
	11. County or Parish, State RIO ARriba, NM

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Cavitation

RECEIVED  
NOV - 9 1998  
OIL CON. DIV.  
DIST. 3

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water  
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9-25-1998: RD and move to Rosa #270. RU. Start COOH with 2-3/8" tbg.

9-26-1998: LD 2 3/8" tubing, PU and TIH w/ RH liner retrieving tool and DP, could not screw into liner hanger, COOH, PU and TIH w/ LH liner retrieving tool, try to screw into hanger, connections broke. COOH, check all connections, TIH w/ retrieving tool, attempt to screw into hanger, COOH, left kelly and retrieving nut in top of liner, wait on taper tap

9-27-1998: Wait on taper tap to recover liner retrieving tool top nut, TIH & COOH w/ top nut, TIH w/ pilot mill, mill top slips off liner hanger, COOH, TIH w/ spear, catch fish and jar free, COOH, had to jar through casing couplings, work fish through wellhead, break out fishing tools

9-28-1998: LD 6 jts of 5 1/2" liner, TIH w/ under reamer, under ream to TD, 3597', circ hole clean, LD 6 jts DP, COOH, load out all tools, TIH w/ 6 1/4" bit, tag fill @ 3587, CO 3572'-3597' w/ 1800 scf air and 5 bbl wtr per hr, returns-lite 1/8" coal to fines in gray wtr, dry well, flow test through 3/4" choke (ave 247 mcfd)

Continued on Reverse Side

14. I hereby certify that the foregoing is true and correct

Signed Susan Griguhn  
SUSAN GRIGUHN

Title CLERK Date October 22, 1998

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any:

ACCEPTED FOR RECORD

NOV 05 1998

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ARRINGTON DISTRICT OFFICE

9  
 29-1998: Flow test through 3/4" choke (247 MCF/D). Surge 7 times with air and water to 1550#. Returns coal fines in brown to black water. TIH and  
 @ 3574'. CO 3572' to 3597'. Returns = med to lite 1/8" coal to fines in gray wtr.

10  
 30-1998: CO 3572'-3597', returns-lite coal fines in gray wtr, flow test through 3/4" choke (avg 519 mcf/d), surge well 5 times w/ air and wtr to 1650 psi.  
 tag fill @ 3575. CO 3572'-3597', hole fell in, pipe stuck for 5.5 hrs, pipe free, CO 3572'-3597', returns-hvy 1/4" coal to hvy fines in black wtr

10  
 01-1998: CO @ TD, 3597' w/ 1800 scf air and 10 bbl wtr mist per hr w/ 5 bbl wtr sweeps hourly. returns-hvy 1/8" coal to fines in gray wtr, no drag or  
 while reciprocating pipe

10  
 02-1998: CO @ TD. returns-med to lite 1/8" coal to fines in dark gray wtr, dry well, flow test through 3/4" choke, (ave 570 mcf/d), COOH, surge 4  
 ies w/ air and wtr to 1600 psi, returns-hvy 1/2" coal to fines in black wtr, TIH, tag @ 3520', CO to TD w/ 1800 scf air and 10 to 15 bbl wtr from rig  
 mp. returns-hvy 1/4" coal to fines in black wtr

10  
 03-1998: CO @ TD, mist pump down for 6 1/2 hrs, returns-hvy reducing to lite 1/4" coal to fines in black to gray wtr, dry well, flow test through 3/4"  
 oke (ave 802 mcf/d), COOH, surge w/ air and wtr to 1250 psi, returns-coal fines in gray wtr

10  
 04-1998: Surge well 9 times w/ air and wtr to 1250 psi, returns-small coal to fines in black wtr, well bridged @ surface, CO bridge, TIH, tag fill @  
 45'. CO 3545'-3572' w/ 1800 scf air and 10 bbl wtr mist per hr, returns-hvy 1/2" coal to fines in black wtr

10  
 05-1998: CO 3542' to 3573'. Returns = heavy 3/8" coal to fines in black water. CO @ TD, 3597'. Returns heavy 1/4" coal to fines in black water.  
 tight hole. LD 1 jt DP. CO 3542' to 3572'. Returns = heavy 1/4" coal to fines in black water. CO @ 3597'. Returns = heavy reducing to lite 1/4" to 1/8"  
 al to fines in black to gray water. Dry well. Flow test through 3/4" choke = 820 MCF/D. COOH to surge.

10  
 06-1998: COOH to surge, surge 6 times w/ air and wtr to 1175 psi, returns-hvy large coal to fines in black viscous wtr, casing bridged below bit on last  
 ge, CO bridge of large coal and black viscous wtr, TIH, tag 3530', CO 3511'-3542', returns-hvy 3/8" coal to fines in black wtr, CO 3542'-3572',  
 urns-hvy 3/8" reducing to 1/4" coal to fines in black to gray wtr

10  
 07-1998: CO 3542'-3572', returns-hvy 1/4" coal to fines in black wtr, CO 3572'-3597', returns-hvy reducing to lite 1/8" coal to fines in black to gray  
 dry well, flow test through 3/4" choke (ave 791 mcf/d), COOH, lock DC's and 1 stand DP in BOP, SI well for natural pressure buildup for surge, 90  
 in pressure-265 psi. 3 hr pressure-540 psi

10  
 08-1998: Surge well w/ natural buildup 5 times, 3 hr SI pressures-610 psi, 650 psi, 660 psi, 660 psi and 660 psi, TIH, tag @ 3568', CO 3542'-3572',  
 urns-hvy to med 1/8" coal to fines in gray wtr, CO 3572'-3597', returns-med to lite 1/8" coal to fines in gray wtr

10  
 09-1998: CO @ TD, dry well, flow test through 3/4" choke, (avg 899 mcf/d), COOH, surge 3 times to 1075 psi, well bridged on last surge, try to knock  
 dge out, TIH, tag bridge @ 1085', CO bridge, TIH, tag fill @ 3565', CO 3542'-3572', and 3572'-3597', returns-hvy 1/8" coal to fines in black wtr,  
 bottom 8' tight

10  
 10-1998: CO @ TD, dry well, flow test through 3/4" choke (avg 838 mcf/d), COOH, surge 3 times w/ air and wtr to 1025 psi, returns-hvy large coal to  
 in black viscous wtr, well bridged on last surge, knock out bridge w/ air and wtr pressure, TIH, tag @ 3542', CO to TD, 3597', returns-hvy 1/8" coal  
 hvy fines in black viscous wtr

10  
 11-1998: CO @ TD, returns-hvy 1/8" coal to fines in black wtr reducing to lite 1/8" coal to fines in gray wtr, dry well, flow test through 3/4" choke  
 e 979 mcf/d), surge well 2 times w/ natural pressure buildup, 3 hr SI pressures-620 and 660 psi, returns lite coal fines in black wtr

10  
 12-1998: Surge well 5 times w/ natural pressure buildup, 3 hr SI pressures-660, 690, 690, 700 and 700 psi, TIH, tag fill @ 3565', CO 372'-3597',  
 urns-hvy to med 1/8" coal to fines in black wtr

10  
 13-1998: CO @ TD. returns-hvy 1/4" coal to fines in black wtr reducing to lite 1/8" coal to fines in gray wtr, LD 6 jts DP, hang swivel and COOH,  
 DC's, change rams, RU to run liner, ran 6 jts 5 1/2", 273.23' (2 jts rerun 15.5# K-55 on bottom and 4 jts new 17# N-80 on top), w/ LA set shoe @  
 3596' and TIW liner hanger @ 3324', PBTD @ 3595', LDDP, load out liner setting tool, RU Blue Jet to perforate

10  
 14-1998: Perforate w/ Blue Jet the intervals 3450'-3480', 3490'-3510', 3520'-3540', and 3552'-3596' w/ 4 spf, .75" hole, total of 456 holes, RD Blue  
 PU and run 114 jts 2 3/8" (3570.48') 4.7#, J-55, EUE 8rd tubing set @ 3583.48' w/ expendable check on bottom and 1.81" ID F nipple @ 3550', ND  
 OP, NU wellhead, pump off expendable check, rig down.

# ROSA UNIT #270

## FRUITLAND COAL

2065' FSL 1610' FWL  
NE/4 SW/4 SEC 34K T31N R5W  
Ria Arriba Co, NM

Elevation: 6727' GL  
KB 12'

Drilled in 1990  
ID'd in 1994

5 jts 9-5/8", 36#, K-55, ST&C @ 228'

114 jts of 2-3/8", 4.7#, J-55, 8rd EUE tbg with  
expendable check valve on bottom and  
Baker "F" nipple @ 3550' (1.81" ID). Landed  
@ 3583'.

Ojo Alamo 2854'

Kirtland 3034'

Fruitland 3389'

TIW 7" x 5-1/2" liner hanger @ 3324'

79 jts 7", 20#, K-55, ST&C @ 3414'

10/14/98 CAVITATION  
Cavitated open hole. Ran new  
5-1/2" liner. Selectively perforated  
w/456 holes, 0.71" holes @  
4 JSPF.

3450'-3480'

3490'-3510'

3520'-3540'

3552'-3596'

6 jts 5-1/2", 15.5#, K-55 @ 3596' - 3324'

4 jts 17# N-80 on top, 2 jts K-55 on bottom  
LA set shoe @ 3596'.

PBTD @ 3595'

TD @ 3597'

HOLE SIZE	CASING	CEMENT	TOP OF CMT
12-1/4"	9-5/8" 36#	160 sx	SURFACE
8-3/4"	7" 20#	770 sx	SURFACE
6-1/4"	5-1/2" 15.5#	Did Not Cement	N/A