

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals

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

5. Lease Designation and Serial No.  
SF-078771

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
ROSA UNIT

8. Well Name and No.  
ROSA UNIT #202

9. API Well No.  
30-039-24393

10. Field and Pool, or Exploratory Area  
BASIN FRUITLAND COAL

11. County or Parish, State  
RIO ARRIBA, NEW MEXICO

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.  
PO BOX 3102 MS 37-2 TULSA, OK 74101 (918) 561-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
965' FSL & 1470' FWL, SEC 23, T31N, R6W

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

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment

TYPE OF ACTION

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

- ☐ 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.)\*

4-05-1998 MOL and RU Big "A" #22. B & R Wireline set plug in tbg.

4-06-1998 Finish rigging up. Pull and lay down tbg. Change pipe rams to 3-1/2". PT stack. PU DC's and DP. Started cleaning out @ 2921'.

4-07-1998 C/O at 3061'. Ran pitot and pressure SI test. Surge well 4 times. TIH and tagged fill @ 3045. CO to 3061'. Returns lite to med coal fines in black wtr. 15' flare from both blooie lines.

4-08-1998 Surge well 5 times w/ air. CO 13' fill. CO @ TD with 1800 scf air and 5 bwph mist w/ 10 bbl wtr hourly sweeps. Clean up well and run pitot & SI pressure test.

4-09-1998 Surge well 5 times @ 1150 psi. CO 9' fill. CO on bottom. Returns lite coal fines in black water. LD 9 jts. Run pitot test. SI for pressure test.

Continued on Page 2

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MAY 12 1998

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

Signed SUSAN GRIGUHN

Title CLERK

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any:

Date MAY 08 1998

4-10-1998 Surge well 5 times. During last surge, pumped water midway during pressure buildup with air. Air pressure built to 1300 psi,. On trip back to bottom tagged bridge @ 2850 and 15' fill. CO on bottom w/ 1800 scf air, 5 bbl wtr mist/hr and 10 bbl wtr sweeps hourly. Returns were lite coal fines in black wtr. LD 9 jts. Took pitot test and conduct SI pressure test. The pitot tests lower and were wet readings and the 90 min SI was less than yesterday's indicating water influx.

4-11-1998 Surge well 6 times using air compressors and 3 times with natural buildup @ 800 psi. TIH and tagged 18' of fill @ 3043'. CO @ TD. Returns were lite coal fines to 1/32" size in black wtr. Took pitot test and SI pressure test.

4-12-1998 Broke down formation on last surge by pumping two 5 bbl volumes of wtr/soap during air injection. Air pressure broke over @ 1475 psi. Pumped air for an additional hour. Final pressure was 1390 psi. Previous surges maxed out @ 1170 psi. Well bridged off below bit @ 2797'. CO to 3011' and tagged 50' of fill, hole got tight. LD 2 jts DP. CO to TD, hole sticky. Returns were heavy to med 1/4" to 3/8" coal and fines in black wtr.

4-13-1998 Circ on bottom w/ air and wtr mist. Took pitot test (avg 807 mcf/d). Surge well 4 times to 1050 psi. Returns were lite coal fines. TIH, had 10' fill. Circ on bottom w/ air and wtr mist. LD 9 jts. Pitot test (ave 790 mcf/d). Conduct pressure SI test.

4-14-1998 Surge well natural and with air. Well bridged off under bit, hole became sticky. Rreturns were heavy coal fines and 1/4" coal. CO to TD. Returns down to lite coal fines. Surge and CO to TD for pitot test.

4-15-1998 CO well @ TD w/ air, mist and wtr sweeps. Returns varied from lite 1/4" and less to med 1/4" to 1/2" coal diminishing to lit: fines. Took pitot test = 747 mcf/d. Surge well three times. Returns were coal fines, wtr & gas.

4-16-1998 Surge well w/ air and various amounts of wtr. Surge well naturally. Natural surges would bring up wtr. Gas flare increasing w/ natural surges. Pitot gauge is up from previous gauges. SI pressure in 90 min is down due to wtr influx.

4-17-1998 Surge well natural. CO heavy viscous black wtr and coal up to 1/4" for 4 hours. Returns reducing to lite to med coal fines. Conduct pitot test, surge naturally 4 times. CO heavy wtr. Took pitot test. 60 min 30 oz 833 mcf/d wet gas

4-18-1998 Surge well with air to 1050#. TIH and CO 3' of fill. COOH. Surge well 5 times.

4-19-1998 Surge well w/ pipe out of the hole. Returns were heavy black viscous wtr & 1/4" and less coal & formation water. TIH. CO @ TD doing natural surge. CO. Returns were heavy 1/8" coal and less for 6 hours, COOH for surges.

4-20-1998 Surge well twice with pipe out of hole, on second surge, well bridged. TIH cleaning out bridges. Returns were heavy viscous wtr and coal 1" and less. CO to TD. Returns were heavy 1/4" and less in gray wtr. Well making too much coal to gauge.

4-21-1998 CO @ TD after out of the hole surges and casing bridges. Returns were heavy 1/4" coal and less gradually reducing to lite 1/8" coal and less in the afternoon. Conduct pitot test. SI for two natural surges. CO to TD.

4-22-1998 CO @ TD w/ air and mist. Dry up well. Conduct pitot test (ave = 1514 mcf/d). COOH. LDDC,s. Prepare to run 5 1/2" liner.

4-23-1998 PU and run 8 jts 5 1/2", 15.5#, K-55, LT&C 8rd casing (360.6'). Set @ 3060' w/ LA guide shoe on bottom and top of TIW model JGS packer with gold seal packoff @ 2700'. LDDP. Perforate 2905'-2965' & 3030'-3060' w/ 4 SPF (1/2" holes). PU and run 92 jts 2 7/8" (3021.25') 6.5#, J-55, EUE 8rd, yellow band tubing. Landed @ 3034.25' w/ expendable check on bottom and 2.25" ID F-nipple @ 3000.56'. NDBOP. NUWH. Pump off expendable check. Rig released.

# ROSA UNIT #202

## BASIN FRUITLAND COAL

RECEIVED  
BLM

SEP 11 - 6 PM 12:54

OTO FACILITY, NM

965' FSL 1470' FWL  
SE/4 SW/4 SEC 23N T31N R6W  
RIO ARriba Co, NM

Elevation: 6235' GL  
KB 12'

9-5/8", 36#, K-55 @ 224'

Ojo Alamo 2310'  
Kirtland 2440'  
Fruitland 2900'

92 jts of 2-7/8", 6.5#, J-55, 8rd, EUE tbq.  
Landed @ 3034'.

7", 23#, K-55 @ 2883'

TIW model JGS hanger with gold seal  
packoff @ 2700'.

Baker Model DW-1 Whipstock @ 2825'.

### Attempted Cavitation 12/1/1997

Attempted to pull liner.  
Sidetracked hole 2 degrees from  
2831' to 3061'. Start mill @ 2809'.  
Undereamed to 10" hole. Cavitated  
2 days.

### Cavitation 4/5/1998 - 12/1/1997

Cavitated 15 days.

Sidetracked hole from 2831'-3061'.  
Undereamed from 6-1/8" to 10" hole.  
Start mill @ 2809'.

Original Predrilled Liner  
5-1/2", 15.5#, K-55 @ 2797' - 3062'

4/23/1998  
5-1/2", K-55, LT&C @ 3060'. No cement.  
Perforation: 2905' to 2965', 3030' to 3060'  
with 4 jspf, 0.5" holes.

Original TD @ 3061'

New TD 3061'

HOLE SIZE	CASING	CEMENT	TOP OF CMT
12-1/4"	9-5/8" 36#	160 sx	SURFACE
8-3/4"	7" 23#	473 sx	SURFACE
6-1/4"	5-1/2" 15.5#	NO CEMENT	N/A