

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  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.  
PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-4592

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
790' FSL & 1745' FWL, SE/4 SW/4, SEC 14 T31N R6W

5. Lease Designation and Serial No.  
SF-078771

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
ROSA UNIT

Well Name and No.  
ROSA UNIT #214

API Well No.  
30-039-24427

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

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.)\*

6-26-1998 MOL and RU. LD tbg. PU DC's and RIH. Put DP on pipe racks and strap.

6-27-1998 Laid down 2-3/8" tubing. PU DC & DP. RIH w/TIW hanger retrieving tool. Screwed into hanger. Worked on liner. Moved uphole 4'. Released tool & came out of hole. Recovered top half of liner hanger (to lower slip cone). PU jars, bumper sub and spear. TIH. Catch liner. Jarred 1-1.2 hrs. Came free. TOH. Laid down 5 jts 5-1/2" liner. PU underreamer TIH & underream to 9-1/2" OD.

6-28-1998 Finished underreaming to 3166', TD. Circ well clean. Break down. Load out tools. TIH. CO @ TD with 1800 SCF aire and 5 BBIs water/hr with 10 BBIs water sweeps hourly. Returns = lite coal fines. Dry well. Flow test thru 3/4" choke. (Avg = 305 MCF/D). SI for surge.

6-29-1998 Surged well 7 times with air & water to 1350 psi. Returns = med to heavy coal fines in black viscous water. TIH & tagged fill @ 3108'. CO fill to TD (3163'). Returns were light coal fines and black water. Dry well. Flow test through 3/4" choke. Avg. Q = 421 Mcfd. PU with air to surge.

6-30-1998 Surged well 8 times with compressor up to 1250#. Returns = light coal fines and gray water. Bridged off in 7" csg. CO bridges to TD. Flow back at TD.

Continued on Reverse Side

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

Signed Susan Grigchin  
SUSAN GRIGCHIN

Title CLERK

Date July 28, 1998

(This space for Federal or State office use)

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

Title \_\_\_\_\_

ACCEPTED FOR RECORD  
Date \_\_\_\_\_

Conditions of approval, if any:

AUG 1 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.

FARMINGTON DISTRICT OFFICE

NMOCD

7-01-1998 CO @ TD w/ 1800 scf air, 5 bbl wtr mist per hr w/ 5 bbl wtr sweeps hourly, returns-med to hvy coal fines w/ 1/16" to 1/2" coal on sweeps. returns reduced to lite fines in gray wtr, flow test well thru 3/4" choke (ave 638 mcf/d), surge well 4 times to 1350 psi, returns-med to hvy coal fines in dark wtr, lost 1 compressor. TIH, tag fill @ 3142', CO @ TD w/ 900 scf air and 5 bbl wtr mist per hr, returns hvy coal fines in gray wtr reducing to lite fines

7-02-1998 Dry well for flow test, flow test thru 3/4" choke (ave 479 mcf/d), test low due to unable to clean the hole adequately with one compressor, surge well 6 times w/ air to 1300 psi, returns-lite coal fines in gray wtr, TIH, tag fill @ 3150', 13' fill, CO @ TD, returns-med to lite coal fines in dark gray wtr. One air compressor went down due to a water pump leak 5 PM 06/30, mechanics arrived on location 10:30 AM 07/01, the compressor was back on line @ 3:00 PM 07/01.

7-03-1998 CO @ TD w/ 1800 scf air & 10 bbl wtr mist w/ 10 bbl wtr sweeps hourly, returns-med to lite coal fines in gray wtr, flow test through 3/4" choke (ave 504 mcf/d), surge 7 times, returns-coal fines in gray wtr, TIH, tag fill @ 3160', CO @ TD w/ 1800 scf air & 10 bbl wtr mist w/ 10 bbl wtr sweeps hourly, returns-med coal fines in gray wtr, med 1/2" to fine coal on sweeps.

7-04-1998 CO @ TD w/ 1800 scf air & 10 bbl wtr mist per hr w/ 10 bbl wtr sweeps hourly, returns-med to lite 1/16" coal to fines in gray wtr, flow test through 3/4" choke (ave 548 mcf/d), COOH, surge well 5 times w/ air and wtr, returns-lite coal fines in black wtr, TIH, tag fill @ 3150', 13' fill, CO @ TD w/ 1800 scf air and 10 bbl wtr mist per hr, returns-lite 1/16" coal to fines in dark gray wtr

7-05-1998 CO w/ 1800 scf air & 5 bbl wtr mist per hr w/ 10 bbl wtr sweeps hourly, returns-med to lite 1/16" coal to fines in gray wtr, COOH w/ 20 stands, surge well 5 times, returns-med to hvy coal in black viscous wtr, plugged bit on 5th surge, COOH, unplug bit and bit sub, surge well, returns-1" coal to fines in black viscous wtr

7-06-1998 Surge well w/ air and wtr to 1150 psi, surge well natural-2 hr SI pressured up to 640 psi, well bridged off on surges 2 & 3, knocked bridges out w/ pressure, well made hvy 1" coal and less in black viscous wtr, on natural surge, returns-hvy 1" coal and less in black viscous wtr, well flowed hvy fines for 1 1/4 hrs, TIH, tag fill @ 3127', 34' fill, CO to TD, returns hvy coal fines reducing to lite coal fines in gray wtr, dry well, flow test through 3/4" choke, (ave 1004 mcf/d), pull 20 stands to surge

7-07-1998 Surge well one time w/ air & wtr to 1200 psi, returns-gray wtr. COOH, had 20 stands out on 1st surge. Surge well 9 times w/ air & wtr to 1200 psi, returns-3" coal to fines in black wtr. Well bridged off several times.

7-08-1998 TIH, CO bridges @ 1324'-1344', 2983'-2993', 3089'-3108', & 3115'-3140', returns-med 1/4" coal to fines in black wtr. CO @ TD w/ 1800 scf air and 5 bbl wtr mist per hr w/ 5 - 10 bbl wtr sweeps hourly, returns-med to lite 1/4" coal to fines in black wtr. Dry well. Flow test through 3/4" choke (avg = 1004 mcf/d). COOH. Lock 1 jt DP in BOP. Pressure up w/ air to surge.

7-09-1998 Surge well 4 times w/ air and wtr to 1050 psi, returns-large coal to fines in black wtr. Well bridged off in BOP. TIH and CO bridges @ 2175'-2206', 2799'-2830', 2845'-2860' and 3120'-3140'. CO @ TD w/ 1800 scf air and 5 bbl wtr mist per hr w/ 5 bbl wtr sweeps each 1/2 hr, returns-hvy 1/4" coal to fines in black to gray wtr.

7-10-1998 CO @ TD w/ 1800 scf air and 5 bbl wtr mist per hr w/ 5 bbl wtr sweeps every half hr, returns-med to lite 1/4" coal to fines in gray wtr, dry well, flow test through 3/4" choke (ave 827 mcf/d), COOH, surge well 3 times w/ air and wtr to 1050 psi, returns-large coal pieces to surface, well bridged off on 3rd surge, try to knock out bridge w/ pressure, TIH, tag bridge @ 1108', break through bridge @ 1190', returns-hvy 1/4" coal to fines in black wtr, TIH, tag @ 3110', CO 3110'-3140', returns-med to lite coal to fines in black to gray wtr

7-11-1998 CO @ TD w/ 1800 scf air and 5 bbl wtr mist per hr w/ 5 - 10 bbl wtr sweeps each 1/2 hr, returns med to lite 1/8" coal to fines in black to dark gray wtr, dry well, flow test through 3/4" choke (avg 863 mcf/d), COOH to surge, surge well 4 times to 1000 psi, returns-large coal pieces and fines in black wtr

7-12-1998 Surge 7 times with air and water to 1050#. Returns heavy coal to fine in black water. Well bridged off on last surge. CO bridge 281' - 341'. TIH and tagged 28' of fill @ 3135'. CO @ TD with 1800 SCF air and 5 BBls water/ hr with 5 BBl water sweeps hourly. Returns med to lite 1/8" coal to fines in gray water.

7-13-1998 CO @ TD with 1800 SCF air and 5 Bl water mist per hr with 5 BBl water sweeps hourly. Returns lite 1/8" coal in gray water. LD 6 jts DP. Surge well natural 3 times, 2 hr SI's. Returns coal fines in flare. CO to TD. Had 3' of fill. Returns 1/8" coal to fines in gray water. LD 6 jts DP. Surge well natural 3 times. Returns coal fines in flare. TIH and tagged fill @ 3159'. CO to TD. Had 4' fill. Returns 1/8" coal to fines in gray water. LD 6 jts DP. SI to build pressure.

7-14-1998 Surge well natural 2 times to 610 psi, returns-coal fines and gray wtr, TIH, tag 3125', CO 3125-3140, returns-lite coal to fines in gray wtr, CO @ TD, returns-lite coal increasing to hvy 1/8" coal to fines, increasing to hvy coal @ 1800 hrs decreasing to lite coal in gray wtr @ 2030 hrs. COOH, LD DC's, change rams, make up liner hanger, PU 5 1/2", TIH, tag bottom @ 3163", hang liner and pack off, COOH, LDDP. Ran 5 jts 5 1/2" casing (bottom three jts were N-80, top 2 jts were K-55) 225.49' w/ LA set shoe on bottom and JGS liner hanger on top, hung liner @ 3162' and packed off

7-15-1998 LDDP, change rams, PU and run 2 7/8" tubing, RU Blue Jet, perforate 5 1/2" liner w/ 4 SPF-1/2" holes, 3140'-3160', 3120'-3140', 3080'-3100', 3046'-3066', 3041'-3046', 3020'-3030', RIH w/ 2 7/8" tubing, ran 100 jts (3123.31') set @ 3136.31' w/ expendable check on bottom and 2.25" ID F nipple @ 3103.40', ND BOP stack and blooie lines, NU wellhead, pump off expendable check, rig down, rig released @ 0600 hrs 07/15/98

# ROSA UNIT #214 FRUITLAND COAL

## Location:

790' FSL and 1745' FWL  
SE/4 SW/4 Sec 14, T31N R6W  
Rio Arriba, New Mexico  
Elevation: 6345' GR

Top	Depth
Ojo Alamo	2415'
Kirtland	2510'
Fruitland	2980'

