

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

5. Lease Designation and Serial No.
SF-078767

6. If Indian, Allottee or Tribe Name

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)
1310' FSL & 1310' FWL, SW/4 SW/4, SEC 24 T31N R6W

8. Well Name and No.
ROSA UNIT #209

9. API Well No.
30-039-24864

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 Complete

- ☐ 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.)*

6-11-1999 MIRU, Kill well to pull tubing, unable to set plug in tubing due to scale, pull & LD tubing, pull DC's & DP from baskets

6-12-1999 PU DC's & DP, TIH w/ mill, mill 7' on Brown liner hanger, COOH, TIH w/ spear and jars, could not catch liner, COOH, wait on larger grapple, TIH, catch liner, jar free, COOH w/ liner

6-13-1999 COOH and LD 6 jts 5 1/2" liner, TIH w/ shock sub and underreamer, underream 2987'-3171', COOH, LD underreamer and shock sub, TIH w/ 6 1/4" bit, CO to 3171'-TD, returns-hvy 1/4" coal to fines in dark gray wtr

6-14-1999 CO to 3171'-TD, returns-med to lite 1/4" coal to fines in gray wtr. Dry well, flow test through 3/4" choke, 90 min. SI test-600 psi. Surge 4 times to 1800 psi, returns med coal on 3rd surge. Well bridged off on 4th surge. TIH, tag 2976', CO to 3160' returns-hvy to med 1/4" coal to fines in gray wtr. Q = 160 mcf. SI pressure test—600 psi in 90 min

6-15-1999 CO @ 3171'-TD, returns-med to lite 1/8" coal to fines in gray wtr. Dry well, flow test through 3/4" choke, 145 mcf. Surge well 4 times w/ air and wtr, returns on last 2 surges-hvy coal and wtr, well bridged on last surge. CO @ 2970, hole got tight. Start laying down DP, LD 3 jts, pipe became stuck, try to free pipe w/ air, have 2' pipe travel. Q = 145 mcf

Continued on back

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

Signed

TRACY ROSS

Title Production Analyst

Date July 5, 1999

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

APPROVED FOR RECORD

AUG 03 1999

6-16-1999 Work stuck pipe, freepoint and back off @ 1898', COOH, PU fishing tools and 4 DC's, TIH, jar on fish and work free, COOH, LD fishing tools, unplug 90' DC's, TIH, CO 2965'-3065', returns-hvy 3/8" coal to fines in dark gray wtr

6-17-1999 CO 2965'-3171' w/ 1800 scf air and 5 bph mist, 5-Bbl sweeps every hour, returns-hvy 3/8" coal to fines in dark gray wtr. Dry OH for 1-hr for flow test. PU into csg @ 2920'. Flow test thru 3/4" choke for 1-Hr, final flow rate = 326 mcfd dry. Surge well 1-time w/ air & mist to 1800 psi. Pipe rams leaking, chg rams. TOOH. Change pipe rams. TIH. Q = 326 mcfd

6-18-1999 Cont. TIH to 2834'. Surge well 12 times w/ air and wtr to 1300-1700 psi, returns lite coal, gas and water

6-19-1999 Surge well 4 times w/ air and wtr to 1500-1700 psi, returns lite to hvy coal, increasing gas and lite-water, plugged bit. TOOH, unplugged bit. TIH & tag bridge @ 2975'. CO from 2975 - 3065' w/ 1800 scf/m air + 5-bph mist, and 5-bbl sweeps hourly, returning heavy coal 1/4"-to-fine, increasing gas, lite-water

6-20-1999 CO 3134'-3171', returns-hvy to lite 1/2" coal and shale (90/10) to fines in dark gray to gray wtr, dry well, flow test though 3/4" choke—305 mcfd, pressure up w/ air to surge. Q = 305 mcfd

6-21-1999 Surge 8 times w/ air and wtr 1400 w psi to 1800 psi, returns-hvy coal, wtr and gas, TIH, tag 2900', coal slug pushed drill string up hole three joints, well unloaded, now CO @ 3024', returns-hvy 1/2" coal and shale (90/10) in dark gray wtr

6-22-1999 CO 3024'-3075', returns-hvy 1/16" coal and shale in dark gray wtr, rig repair, CO 3075'-3150', returns-hvy to med 1/16" coal and shale in dark gray to gray wtr

6-23-1999 CO 3120'-3171', returns-hvy reducing to lite 1/8" coal and shale (70/30) in brown to dark gray wtr, dry well, flow test through 3/4" choke, pressure up w/ air to surge. Q = 377 mcfd

6-24-1999 Surge 9 times w/ air and wtr to 1650 psi, returns-hvy coal, wtr and gas, TIH, tag @ 3060', CO 3060'-3128', returns-hvy 1/4" coal and shale to fines in dark gray wtr

6-25-1999 Surge 3 times w/ air and wtr to 1400 psi, returns-coal fines, gas and wtr, dry well, flow test through 3/4" choke—406 mcfd, COOH to DC's, surge 4 times w/ air and wtr to 1300 psi, returns-coal fines, gas and wtr. Q = 406 mcfd

6-26-1999 Surge 9 times w/ air and wtr to 1300 psi, returns-coal fines to hvy coal, TIH, tag @ 3030', CO 3030'-3085', returns-hvy 1/8" coal and shale to fines in dark gray wtr

6-27-1999 CO 3135'-3166', returns-hvy 1/8" coal and shale (70/30) to fines in dark gray wtr, hole sometimes sticky

6-28-1999 CO @ 3171'-TD, returns-hvy reducing to lite 1/16" coal and shale to fines in dark gray to gray wtr. Dry well, flow test through 3/4" choke, natural surge 3 times to 535 (3 hr SI), returns-coal fines, gas and wtr. Q = 363 mcfd

6-29-1999 Surge 4 times w/ natural pressure buildup, pressures increased from 535 psi to 640 psi over last four surges, returns-fines coal and gas, TIH, tag 3084', CO to TD, returns-coal fines in gray wtr, LD 6 jts DP, COOH, LD DC's, change pipe rams to 5 1/2"

6-30-1999 PU and RIH and hang liner, ran 6 jts 5 1/2" liner (273.14') 17# N-80 USS, w/ LA set shoe @ 3171' and TIW JGS liner hanger top @ 2897', 1st jt-perforated, 2nd jt-non perforated, 3rd and 4th jts perforated, 5th and 6th jts non perforated, LD DP, run tubing, ran 102 jts (3126.29') 4.7#, J-55, EUE 8rd set @ 3139.29' w/ 1.81" ID F-nipple @ 3106.45', ND BOP, NU WH, pump off expendable mill, rig down