

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

070 FARMINGTON, NM

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) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1375' FNL & 1420' FEL, SW/4 NE/4, SEC 34 T31N R5W

5. Lease Designation and Serial No.  
SF-078773

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
ROSA UNIT

8. Well Name and No.  
ROSA UNIT #269

9. API Well No.  
30-039-25013

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.)\*

8-06-1999 MIRU service unit. NDWH, NU BOP equipment. Pressure test BOP equipment to 1000 psi with rig pump. Test OK! Pull tbq doughnut and TOOH with production tubing

8-07-1999 TOOH with 2 3/8" production tbq. Strap drill collars. Pick up liner retrieving tool and 10- 4 3/4" drill collars. Strap 3 1/2" drill pipe. Pick up 3 1/2" drill pipe and trip in hole with liner retrieving tool to top of liner at 3386'. Latch onto liner top at 3386'. Work liner free and pull to the shoe at 3449'. Change out the rams for 5 1/2" casing. TOOH with liner. Lay down 5 joints 5 1/2" casing. Pick up a 6 1/4" bit. TIH, tag bridge at 3580'. Clean out from 3572' to 3610' with 1800 cfm air, 5 bph H2O mist

8-08-1999 Clean out from 3572' to 3610' with 1800 cfm air, 5 bph H2O mist. TOOH for under reamer. Pick up under reamer and TIH to 3458'. Under ream from 3458' to 3610'. Open hole from 6 1/4" to 9 1/2". Circulate hole clean. TOOH, lay down under reamer. TIH with bit, tag fill at 3609', had 1' of fill. Clean out from 3603' to 3610' with 1800 cfm air, 5 bph H2O mist. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe. Flow test, had 10'-15' flare

8-09-1999 Cavitate well. Surge 15 times with 1800 cfm air, 5 bph H2O mist. Pressure up to 2000 psi in 1 hr. Flow back 1/2 hr. Had heavy amounts black water, Medium amounts of coal fines and dust returns. Flare increased from 8' to 15'

Continued on Back

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

Signed

Tracy Ross

TRACY ROSS

Title Production Analyst

Date September 8, 1999

(This space for Federal or State office use)

Approved by

Title

ACCEPTED FOR RECORD

Date

Conditions of approval, if any:

SEP 17 1999

**8-10-1999** Cavitate well. Surge 5 times with 1800 cfm air, 5 bph H2O mist. Pressure up to 2000 psi in 1 hr. Flow back ½ hr. Had heavy amounts black water, Medium amounts of coal fines and dust returns. TIH, tag bridge at 3515'. Clean out from 3510' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water sweeps. Circulate up large amounts of coal fines. Circulate with 1800 cfm air to dry up the hole

**8-11-1999** Cavitate well. Surge 9 times with 1800 cfm air, 5 bph H2O mist. Pressure up to 2000 psi in 1 hr. Flow back ½ hr. Had heavy amounts black water, Medium amounts of coal fines and dust returns. Plugged bit. TOOH to unplug bit. Unplug bit, TIH, tag bridge at 3455'. Clean out from 3448' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines

**8-12-1999** Clean out from 3572' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. Cavitate well. Surge 5 times with 1800 cfm air, 5 bph H2O mist. Pressure up to 2000 psi in 1-1.75 hrs. Flow back .5 hr. Maybe bridged off. TIH, tag bridge at 3420'. Clean out from 3417' to 3540' with 1800 cfm air, 5 bph H2O mist. Circulate up large amounts of coal fines

**8-13-1999** Clean out from 3540' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. Cavitate well. Surge 1 times with natural build up. Pressure up to 760 psi in 4 hrs. Flow back .5 hr. Had 25' flare, H2O mist and no coal on flow back

**8-14-1999** Cavitate well. Surge 5 times with natural build up. Pressure up to 850 psi in 4 hrs. Flow back 1 hr. Had 25'-30' flare, Last 2 surges brought back heavy amounts of black water and coal fines up ½" in size. May have bridged off well bore. TIH. Tag bridge at 3385'. Clean out from 3356' to 3572' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines with sweeps

**8-15-1999** Clean out from 3572' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. Cavitate well. Surge 2 times with natural build up. Pressure up to 850 psi in 4 hrs. Flow back 1 hr. Had light mist and light coal on flow back. 25'-30' flare

**8-16-1999** Cavitate well. Surge 5 times with natural build up. Pressure up to 1000 psi in 4 hrs. Flow back 1 hr. Had medium to heavy coal dust and no water on flow back. 25'-30' flare. Shut in pressure has increased from 760 psi on first natural surge to 1000 psi now

**8-17-1999** Cavitate well. Surge 2 times with natural build up. Pressure up to 840 psi in 4 hrs. Flow back 1 hr. Had light coal dust and no water on flow back. 25'-30' flare. TIH, tag bridge at 3438'. Clean out from 3417' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines. Circulate with 1800 cfm air to dry up the hole

**8-18-1999** Cavitate well. Surge 5 times with natural build up. Pressure up to 860 psi in 4 hrs. Flow back 1 hr. Had medium to heavy coal dust/fines and heavy amounts of black water on flow back. 25'-30' flare

**8-19-1999** Cavitate well. Surge 1 time with natural build up. Pressure up to 860 psi in 4 hrs. Flow back 1/4 hr. Had medium coal dust/fines and heavy amounts of black water on flow back. 25'-30' flare. TIH, tag bridge at 3470'. Clean out from 3448' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. Cavitate well. Surge 1 time with natural build up. Pressure up to 780 psi in 4 hrs. Flow back 1 hr. Had light coal dust and heavy amounts of water on flow back. 25'-30' flare

**8-20-1999** Cavitate well. Surge 1 time with natural build up. Pressure up to 775 psi in 4 hrs. Flow back 1/4 hr. Well maybe bridged off. TIH, tag bridge at 3438'. Clean out from 3417' to 3448' with 1800 cfm air, 5 bph H2O mist. Sub base settled due to heavy rains. Unable to level out derrick due to problem with screw jacks. Had to lay down tubing from derrick. Leveled sub and derrick. Made repairs to screw jacks. Picked tubing back up, placed in derrick. (Had Williams rep. Fill out hot work permit) TIH, tag bridge at 3545'. Clean out from 3540' to 3610' with 1800 cfm air, 5 bph H2O mist and 5 bbl water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole

**8-21-1999** Circulate with 1800 cfm air to dry up the hole. Had 30' flare and dry gas. Flow well natural through both blooie lines for 4 hrs. TIH, tag fill at 3603'. Clean out from 3603' to 3610' with 1800 cfm air, 5 bph H2O mist and water/soap sweeps. TOOH to shoe. Flow well natural through both blooie lines for 4 hrs. TIH, tag fill at 3605'. Clean out from 3605' to 3610' with 1800 cfm air, 5 bph H2O mist and water/soap sweeps. TOOH to shoe. Flow well natural through both blooie lines

**8-22-1999** Flow well natural through both blooie lines. TIH, tag fill at 3605', had 5' of fill. Clean out from 3605' to 3610' with 1800 cfm air, 5 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH and lay down drill collars. Change out rams for 5 ½" casing. Rig up to run casing. Pick up 6 joints 5 ½" casing, liner hanger and TIH. Set liner hanger at 3344' (casing shoe at 3609'). TOOH, lay down drill pipe

**8-23-1999** TOOH, lay down 3 ¼" drill pipe. RU Blue Jet and perforate intervals 3488'-3512', 3528'-3543' and 3568'-3609' with 4 jet shots per foot. Change out rams for 2 3/8" tubing. Rig up to run tubing. Trip in hole with 114 joints of 2 3/8", 4.7#, J-55, EUE 8rd production tubing. Land at 3584'. F-nipple at 3551'. Nipple down BOP equipment and nipple up well head. Rig down service unit. Rig released at 00:00 hrs 08/23/99. Liner: 6 jts, 5 1/2", 15.5#, K-55, LT&C. Land at 3610'. Liner top at 3344'. Production Tubing: 114 joints, 2 3/8", 4.7#, J-55, EUE 8rd. Land at 3584'. F-nipple at 3551'. Perforations: 3488'-3512, 3528'-3543', 3568'-3609' with 4 SPF