

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-078771

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
ROSA UNIT

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

8. Well Name and No.
ROSA UNIT #212

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-24391

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1585' FNL & 1070' FEL, SE/4 NE/4, SEC 14 T31N R6W

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.)*

8-17-1999 MIRU. Had 1450 psi shut in casing pressure. Blow well down. NDWH, NU BOP equipment. Lay blooie lines, rig up lights and prepare to pull 2 3/8" tubing. TOOH, lay down 99 joints of 2 3/8" production tubing

8-18-1999 Change rams for 3 1/2" drill pipe. Rig up to pick up drill pipe. PU fishing tools, 10-4 3/4" drill collars and 3 1/2" drill pipe. TIH to top of liner at 2941'. Latch onto liner, jar liner free. TOOH with liner. Lay down 5 joints of 5 1/2" csg. Lay down fishing tools. TIH with a 6 1/4" bit. Tag light bridges at 3102', 3135' and had 2' of fill at 3172'. Clean out from 3140' to 3172' with 1800 cfm air, 5 bph H2O mist. Circulate up coal fines and dust

8-19-1999 Clean out from 3140' to 3172' with 1800 cfm air, 5 bph H2O mist. Circulate up coal fines and dust. TOOH with bit. Pick up under reamer. TIH to 3010', under ream from 3010' to 3174'. Open hole from 6 1/4" to 9 1/2". TOOH, lay down under reamer. Rig up choke manifold. TIH with bit

8-20-1999 TIH, tag fill at 3164', had 10' of fill. Work on choke manifold. Clean out from 3164' to 3174' with 1800 cfm air, 5 bph H2O mist. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe. Flow test, had no water and 8' flare. Cavitate well. Surge 5 times with 1800 cfm air, 5 bph H2O mist. Pressure up to 1700 psi in 1 hr, flow back 1/2 hr. Saw very light dust and mist on flow backs. TIH, tag fill at 3159', 15' of fill. Clean out from 3150' to 3174' with 1800 cfm air, 5 bph H2O mist and 5 bbl water sweeps. Had medium amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole

Continued on Back

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

Signed

Tracy Ross
TRACY ROSS

Title PRODUCTION ANALYST

Date September 13, 1999

ACCEPTED FOR RECORD

(This space for Federal or State office use)

Approved by

Title

Date

OCT 04 1999

Conditions of approval, if any:

FARMINGTON FIELD OFFICE
BY [Signature]

8-21-1999 TOOH to shoe, flow test. Cavitare well. Surge 4 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1300 psi in 1 hr, flow back ½ hr. Work on BOP equipment. Continue to cavitare well. Surge 2 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1700 psi in 1 hr, flow back ½ hr. Saw very little coal dust on returns. TIH, tag fill at 3159'. Had 15' of fill. Clean out from 3159' to 3174' with 1800 cfm air, 5 bph H₂O mist and water sweeps. Circulate up small amounts of coal fines. Circulate with 1800 cfm air to dry up the hole

8-22-1999 Cavitare well. Surge 10 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1800 psi in 1 hr, flow back ½ hr. Saw light coal dust and 2" stream of water on returns. TIH, tag fill at 3152'. Had 22' of fill. Clean out from 3152' to 3174' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up medium amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

8-23-1999 Cavitare well. Surge 8 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1900 psi in 1 hr, flow back ½ hr. Saw light coal dust and 2" stream of water on returns. TIH, tag bridge at 3094'. Clean out from 3094' to 3174' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up medium amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

8-24-1999 Cavitare well. Surge 5 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1650 psi in 1 hr, flow back ½ hr. Saw light coal dust and 2" stream of water on returns. Flow well through blooie lines. Work on BOP accumulator. Cavitare well. Surge 2 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1650 psi in 1 hr. Flow back ½ hr. Saw heavy mist, and heavy coal dust/fines and 2" stream of water on returns. TIH, tag bridge at 3075'. Clean out from 3075' to 3174' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up heavy amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

8-25-1999 Cavitare well. Surge 2 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1525 psi in 1 hr, flow back ½ hr. Saw medium coal dust and 2" stream of water on returns. TOOH to check out BOP problems. Replaced ram blocks in #1 and #3 rams. TIH to shoe at 3000'. Cavitare well. Surge 2 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1650 psi in 1 hr. Flow back ½ hr. Saw heavy mist, and heavy coal dust/fines and 2" stream of water on returns. Replaced ram blocks in #1 ram. TIH, tag bridge at 3120'. Clean out from 3120' to 3174' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up heavy amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

8-26-1999 Cavitare well. Surge 8 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1175 psi in 1 -1.75 hrs, flow back ½ hr. Saw medium to heavy coal dust/fines and up a 2" stream of water on returns. TIH, tag bridge at 3064'. Clean out from 3064' to 3174' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up heavy amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

8-27-1999 Cavitare well. Surge 1 times with natural build up. Pressure up to 670 psi in 4 hrs, flow back 1 hr. Saw medium to coal dust and no water on returns. Change out top BOP. Cavitare well. Surge 3 times with natural build up. Pressure up to 780 psi in 4 hrs, flow back 1 hr. Saw heavy coal dust and heavy black water on returns and a 15'-18' flare

8-28-1999 Cavitare well. Surge 6 times with natural build up. Pressure up to 920 psi in 4 hrs, flow back 1 hr. Saw medium to heavy coal dust and heavy black water on returns and a 15'-20' flare

8-29-1999 Flow back surge. Flow test, had a 15' flare, dry gas. TIH, tag fill at 3167', 7' of fill. Clean out from 3167' to 3174' with 1800 cfm air, 5 bph H₂O mist. Cavitare well. Surge 2 times with natural build up. Pressure up to 820 psi in 4 hrs, flow back 1 hr. Saw medium coal dust and no water on returns and a 15' flare. TIH, tag fill at 3170', 4' of fill. Clean out with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Unload large amounts of black water and coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

8-30-1999 Cavitare well. Surge 15 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1800 psi in 1 hrs, flow back ½ hr. Saw medium coal dust and heavy black water on returns and a 15' flare

8-31-1999 Cavitare well. Surge 8 times with 1800 cfm air, 5 bph H₂O mist. Pressure up to 1700 psi in 1 hrs, flow back ½ hr. Saw medium coal dust and very heavy mist on returns and a 15'-20' flare. TIH, tag bridge at 3049'. Clean out from 3049' to 3174' 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 to shoe

9-01-1999 Cavitare well. Surge 4 times with natural build up. Pressure up to 830 psi in 4 hrs, flow back 1 hr. Saw medium coal dust and light mist on returns and a 15'-20' flare

9-02-1999 Cavitare well. Surge 5 times with natural build up. Pressure up to 920 psi in 4 hrs, flow back 1 hr. Saw medium to heavy coal dust/fines and light mist to 2" stream of black water on returns and a 15'-20' flare

9-03-1999 Cavitare well. Surge 2 times with natural build up. Pressure up to 920 psi in 4 hrs, flow back 1 hr. Saw medium to heavy coal dust/fines and light mist to 2" stream of black water on returns and a 15'-20' flare. TIH, tag bridge at 3100'. Clean out from 3100' to 3174' with 1800 cfm air, 5 bph H₂O mist and water/soap sweeps. Circulate up coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

9-04-1999 Flow well through both blooie lines for 4 hrs. TIH, tag bridge at 3130', Clean out from 3130' to 3174' with 1800 cfm air 5 bph H2O mist and water/soap sweeps. TOOH to shoe. Flow well through both blooie lines for 4 hrs. TIH, tag bridge at 3145'. Clean out from 3145' to 3174' with 1800 cfm air, 5 bph H2O mist and water sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

9-05-1999 TOOH, lay down drill collars. Pick up 6 joints of 5 ½" casing and liner hanger. TIH with liner to 3173'(circulate last joint down). Land liner hanger at 2891'. TOOH, lay down 3 ½" drill pipe. Rig up to pick up 2 7/8" tubing. Pick up a 4 ¾" mill and 2 7/8" tubing. TIH to 3037'. Wait on cross over sub. Mill perforated plugs out from 3037' to 3172'. Circulate with 1800 cfm air, 5 bph mist. Circulate with 1800 cfm air to dry up the hole

9-06-1999 Circulate with 1800 cfm air, 5 bph mist. Circulate with 1800 cfm air to dry up the hole. TOOH with mill. TIH with 2 7/8" production string, land at 3161'. Liner: 5 ½", 15.5# , K-55 , LT&C. Liner top @ 2890'. Liner shoe @ 3173'. F-nipple @ 3130'. Perforations: Top @ 3037' Bottom @ 3172' (preperforated liner w/4 holes per foot) Tubing plug pulled 09/05/99. ND BOP equipment and NUWH. RD service unit. Release rig at 19:00 hrs 09/05/99