

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 25-2, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1020' FNL & 1535' FEL, NW/4 NE/4 SEC 23-31N-6W

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 #213

9. API Well No.
30-039-24426

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.)*

01-12-2004 MIRU, spot equipment & rig ramp, RU. Blow well down, NDWH, NUBOP's, NU mud cross & blooie lines, RU floor, change pipe rams to 2-3/8", secure location, SDON

01-13-2004 Finish stringing blooie, csg pressure 450 psi. TOOH w/ 99 jts of 2-3/8" tbg. RU floor to PU 2-7/8" DP, put DP on pipe racks, strap. PU TIW liner hanger retrieving head, PU 91 jts 2-7/8" DP. Tag liner hanger, screw into hanger, TOOH w/ 5 stds of DP, pull liner into 7" csg, secure location, SDFN

01-14-2004 TOOH to liner hanger. RU SJ Csg crew. LD 6 jts 5 1/2" pre-perforated liner, 1/8" thick soft scale on bottom 4 jts, lower half of bottom jt, perf were plugged w/ soft scale. RD csg crew, RU to PU DC's. PU 6 1/4" mill tooth bit, PU (8) 4 1/4" DC's, TIH, LD 7 jts DP. PU & RU power swivel. Unload hole @ sidetrack window, PU singles, tag @ 3075', circulate w/ air/mist to TD (3127'), returns very light 1/8" coal in light brown water. LD 8 jts, bit in 7" csg, secure location, SDFN.

01-15-2004 Csg pressure 520 psi, release natural surge, returns wtr & coal fines. PU 8 jts DP, tag 5' of fill @ 3122'. Circulate on bottom w/ air mist, returns very light 1/8" coal & fines in brown wtr. LD 8 jts DP, bit in 7" csg. Surge well 3 times w/ air mist & air, pump air for 1.5 hrs, pressure leveled out to 760 psi in 30 min, release surge, flow back 30 min, first surge returns air & gas, second surge returns air, gas & light 1/8" coal to fines in dark brown wtr, third surge returns air, gas & light 1/8" coal to fines to dark brown water. SWI for natural surge, secure location, SDON

Continued on Backside

ACCEPTED FOR RECORD

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

Signed Tracy Ross
Tracy Ross

Title Sr. Production Analyst

Date March 15, 2004

FEB 08 2005

(This space for Federal or State office use)

FARMINGTON FIELD OFFICE
BY [Signature]

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

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.

NMOCD

01-16-2004 Natural surge pressure 560 psi, release surge, returns light coal & water. TIH, tag 10' fill, CO to TD, returns light 1-1/8" coal to fines in brown water. LD 8 jts DP. Surge 2 times w/ air mist, 1st surge - 1.5 hrs, pressure 760 psi; returns light coal & water. 2nd surge - 2 hr, pressure 800 psi, returns med coal & water. Release 2nd surge @ 1500 hrs, flow well until 1630 hrs to expel air from well. Flow well to sales line, secure location, SDON.

01-19-2004 TIH, tag 15' fill, CO to TD, rts-light 1/16" coal to fines, pull into 7" csg. Surge w/ air mist and water, pumped air mist 30 min to 700 psi, pump 10 bbl water, air mist for 30 min to 800 psi, pump 10 bbl water, air mist for 2 hrs to 1200 psi. Release surge, returns air mist, very light coal. Surge w/ air mist, pump air for 2 hrs, pressure-1000 psi. Release surge, returns-air mist & light coal, secure location, SDON

01-20-2004 Csg pressure - 560 psi, release natural surge, returns air mist and light coal. TIH, tag 20' fill, CO to TD w/ air mist. LD 8 jts DP, bit in 7" csg, suspend operations until sound barriers are in place

01-21-2004 Sierra built sound barriers in their yard, transported them to the field & installed them around the air compressors.

01-22-2004 Sierra built sound barriers in their yard, transported them to the field & installed them around the rig pump engine & generator.

01-23-2004 Start engines, PU 6 jts DP, SD for sound level measurements. Make sound level measurements off location. LD 6 jts DP, secure location, SD till 1/26/04, will install sound barriers Monday

01-26-2004 Sierra Oilfield disassembled plastic sound barriers. Wait on Sterns Enterprises. Install metal sound barriers around air compressors. TIH, tag 20' fill, CO to TD, returns light 1/16" coal to fines in brown wtr. LD 7 jts DP, bit in 7" csg, SWI overnight for natural surge, secure location, SDON.

01-27-2004 Csg pressure - 580 psi, release natural surge, returns - wtr & coal fines. TIH, tag 20' fill @ 3107'. CO @ TD, returns - light 1/16" coal to fines in brown wtr. Pull into 7" csg, surge 5 times w/ air mist, pressure w/ air for 50-60 mins, pressure 650-750 psi, release surge, returns - light 1/8" coal & black wtr. SWI for natural surge, secure location, SDFN.

01-28-2004 Release natural surge, pressure 580 psi, returns light 3/8" coal & wtr. TIH, tag 52' of fill. CO @ TD w/ air mist, returns medium 1/8" coal to fines in black to dark brown water. Pull into 7" csg, SWI for natural surge, secure location, SDON.

01-29-2004 Release natural surge, pressure 600 psi, returns light coal & wtr. Surge 4 times, pressure up for 50-60 mins, pressure 650 to 700 psi, returns light coal & wtr. TIH, tag 32' of fill. CO @ TD, returns light coal & wtr. Dry well w/ air, LD 9 jts DP. Secure location, SDON.

01-30-2004 Release natural surge, pressure 570 psi, returns light coal & wtr. Surge w/ air mist, pump time 1 hr, pressure 700 psi, release surge, returns light coal & wtr. Install remainder of metal sound barriers around air compressors, install sloping 4' sections on top of sound barrier walls, well SI for natural surge, pressure in 3 hrs 500 psi. Release surge, returns light coal & wtr, flow well through blooie line to remove all CO2 from well. Flow well to sales line, secure location, SD for weekend.

02-02-2004 TIH, tag 5' of fill, CO to TD, well making very light coal & estimate 50 bbls wtr per hr. Pull into 7" csg. Surge 3 times 650-700 psi w/ air mist, pump time 1 hr, flow back 10-20 mins, returns light coal fines & wtr. SWI for natural surge, SDON.

02-03-2004 Release natural surge, pressure 620 psi, returns coal fines & wtr. TIH, tag 4' of fill, CO to TD, returns light coal fines in brown wtr. Surge w/ air mist, 1 hr pump time, pressure to 600 psi, returns light 1/8" coal to fines in brown wtr. Secure location, SDFN.

02-04-2004 Release natural surge, pressure 640 psi, returns light coal & wtr. TIH, tag 7' of fill, CO @ TD w/ air mist, returns light 1/8" coal to fines in brown wtr. Pull into 7" csg. Surge 2 times w/ air mist, pressure up for 1.5 hrs, pressure to 560 psi on 1st surge, 600 psi on 2nd surge, returns on 1st surge, light coal & wtr, hvy 1/8" coal to fines in black water on 2nd surge. Secure location, SDFN

02-05-2004 Release natural surge, pressure 640 psi, returns med to hvy coal & wtr. Install vents in compressor house. Surge w/ air mist, pressure to 700 psi, returns light coal in brown wtr. TIH, tag 12' of fill. CO & TD, returns light 1/8" coal to fines in brown wtr. TOOH to DC's, SWI for natural surge, secure location, SDFN

02-06-2004 DP is on bank, surge 5 times w/ air mist, pump air 1.5 hrs w/ ~20 bbls wtr, pressure 650 to 700 psi, returns hvy coal in blk wtr, well would unload all wtr pumped in during surge. Vent well for 45 mins before turning to sales line.

02-09-2004 Well flowed to sales line over weekend. Start air compressors. Surge w/ air mist, pressure to 800 psi in 1.5 hrs, release surge, returns light coal in brown wtr. TIH, tag 12' of fill, CO fill w/ air mist, CO @ TD, returns light 1/8" coal & shale in brown wtr. Cut off mist to dry hole for pitot test. SWI for natural surge. Secure location, SDON.

02-10-2004 Release natural surge, pressure 640 psi, returns coal & wtr. TOOH to DC's, surge 3 times w/ air mist, 1.5 hrs pump time, pump 5 bbls wtr ahead, then air mist, 8 bph wtr, pressure 700 to 800 psi, returns on first two surges light coal & wtr, returns on third surge hvy coal & a lot of wtr. SWI @ 1645 hrs, secure location, SDON.

02-11-2004 Release natural surge - 640 psi, returns medium coal & fines. Surge 4 times w/ air mist, pump in 1.5 hrs, pressures to 800 psi, returns on 1st surge air mist. 2nd & 3rd surges - returns hvy coal up to 1/2" & wtr. 4th surge, well bridged off, returns air, gas & mist. SWI for natural surge, secure location, SDON.

02-12-2004 Release natural surge, pressure 660 psi, returns coal fines & wtr. TIH, tag 28' of fill, CO to TD, circulate on bottom, returns light 1/8" coal to fines in brown wtr. TOOH to DC's. Pressure up w/ air mist, pressure 800 psi, release surge, returns med coal & wtr. SWI for natural surge, secure location, SDON.

02-13-2004 Release natural surge, pressure 660 psi, returns coal fines & wtr. Surge well w/ air mist five times, pump air for 1.5 hrs, pressure to 750-800 psi, returns hvy 1/2" coal to fines in blk wtr, well would unload lard slug of wtr after coal. Flow well to atmosphere for 1 hr prior to turning to sales line, secure location, SDON.

02-16-2004 SWI, well flowed 447 mcf to sales line over the weekend, start air compressors. Surge w/ air mist 2 times, pump air mist for 1.5 hrs, pressure 800 psi, returns hvy 1/2" coal to fines in brown water. TIH, tag 28' fill. CO to TD, returns light 1/8" coal to fines in brown wtr. TOOH to DC's, SWI for natural surge, secure location, SDON.

02-17-2004 Release natural surge, pressure 660 psi, returns coal fines & wtr. Surge well 4 times w/ air mist, pressures to 800 psi, returns hvy ¼" coal to fines in blk wtr. Well would unload water after coal. SWI for natural surge, secure location, SDON.

02-18-2004 Release natural surge, pressure 660 psi, returns coal fines & mist. Surge well 2 times w/ air mist, 2 hr pump time to 800 psi, returns on 1st surge hvy to med ¼" coal & wtr, 2nd surge med ¼" coal to fines in brown wtr. Hang back swivel, TIH, tag 25' of fill @ 3102'. CO @ TD w/ air mist, returns light 1/8" coal to fines. TOOH to DC's, SI for natural surge, secure location, SDON.

02-19-2004 Release natural surge, pressure 680 psi, returns coal & mist. Surge well 4 times w/ air mist, 1.5 hrs pump time, pressures to 800 psi, returns hvy ¼" coal & wtr. SWI for natural surge, secure location, SDON.

02-22-2004 Release natural surge, pressure 660 psi, returns coal dust & wtr. Surge well 3 times w/ air mist, 1.5 hrs pump time, pressures to 650 psi, returns hvy ½" coal to fines in blk wtr. TIH, tag 20' coal. CO to TD, returns light 1/16" coal to fines in brown wtr. Pull bit into 7" csg, turn well to sales line over weekend, secure location, SDON.

02-23-2004 Well flowed to sales line over weekend, averaged 450 mcfd. TIH, tag 5' fill, CO @ TD, returns light 1-1/16" coal. TOOH to DC's. Surge 2 times w/ air mist, pump time 1.5 hrs, pressure to 740 psi, returns hvy 1" coal to fines in blk wtr, second surge returned hvy coal past in addition to 1" coal to fines, SWI for natural surge, secure location, SDON.

02-24-2004 Release natural surge, pressure 64 psi, returns light coal & mist. Surge 4 times w/ air mist, 1.5 hrs pump time, pressure 700 to 850 psi, returns hvy 1" coal to fines in blk wtr, 4th surge returns were medium to light ¼" coal to fines, SWI for natural surge, surge location, SDON.

02-25-2004 Release natural surge, pressure 660 psi, returns light coal & wtr. TIH, tag 11' fill. CO @ TD, returns light to med 1/8" coal to fines in brown wtr. Lost 10' of hole, work back to TD, returns hvy to med ¼" coal to fines in brown wtr, LD 9 jts DP, SWI for natural surge, secure location, SDON.

02-26-2004 Release natural surge, pressure 660 psi, returns coal fines & mist. TIH, tag 10' fill. CO @ TD, returns med to light 1/8" coal to fines, some sandstone in returns. TOOH to DC's. Surge 2 times w/ air mist, 1.5 hrs pump time, pressure to 750 psi, returns medium coal & wtr. SWI for natural surge, secure location, SDON.

02-27-2004 Release natural surge, pressure 660 psi, returns coal fines & mist. Surge w/ air mist 2 times, pump time 1.5 hrs, pressure to 700 psi, returns med ½" coal to fines in brown water. TIH, tag 27' fill. CO on bottom w/ air mist, returns hvy ½" coal to fines in brown wtr reducing to med to light coal in brown wtr, cut off water last ½ hr to flush air form well bore, pull into 7" csg, flow well to sales line, secure location, SDON.

03-01-2004 TIH, tag 10' fill, CO to TD, recovered some shale initially, circulate on bottom, returns very light coal in brown wtr. Lost 10' of hole, work back to within 3' of TD, turn well to sales line, secure location, SDON.

03-02-2004 Well flowing to sales line, made equivalent of 440 mcfd overnight, TIH, tag 15' fill, CO to TD, hole got tight, lost 10' hole. Work back to within 3' of TD, returns were heavy for several hrs, reduced to light at end of day. Pull into 7" csg, SWI for natural surge, secure location, SDFN.

03-03-2004 Release natural surge, pressure 640 psi, TIH, tag 16' fill, CO to TD, circulate on bottom, returns light coal & brown wtr. Lost 10' of hole, work back to within 3' of TD, returns light coal in brown water. TOOH, LD DC's, well flowing to sales line, secure location, SDON

03-04-2004 RU csg crew. TIH w/ 6 jts 5 ½", 17#, N-80 csg (273.07') w/ LA set shoe on bottom & "H" latch set collar. RD csg crew. TIH w/ DP & liner. Tag @ 3115', work down to 3122', 5' off TD, release from liner, landed liner @ 3122', top of liner @ 2850', 35' of overlap. RU to LD DP, LD DP, RU to perforate, secure location, SDON.

03-05-2004 Blow down well through 2" line, SI pressure 640 psi, RU perforators. TIH w/ perforating guns, set down 14' off bottom. TIH w/ perf guns, RD perforators, RU to TIH w/ tbg to clean out. TIH w/ tbg, RU swivel. CO to PBTD 3122' w/ air mist, circulate on bottom, returns too small to catch in sample catcher. TOOH, RU perforators. Computalog perforated a total of 126' w/ 4 spf for a total of 504, 0.44" holes at the following intervals: 2947' – 2989', 2992' – 3034' & 3078' – 3118', RD Computalog, secure location, SD over weekend.

03-08-2004 TIH w/ 2-3/8" tbg. RU to run broach on sand line. Run broach to seating nipple, no tight spots, pull broach out of hole. Tag PBTD, circulate w/ air mist, unload water. Land tbg as follows: 98 jts 2-3/8" tbg w/ expendable check on bottom @ 3112', 6' sub, 1.81" "F" nipple @ 3104', ran 8', 6' & 4' subs one jt below donut to space out. ND BOP stack, NU WH, pump off expendable check, flow csg to pit to remove air. Turn well to production department, release rig @ 1700 hrs, 3/8/04.