

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

2003 SEP 29 AM 10:59

070 Farmington, NM

5. Lease Designation and Serial No.  
SF-078764

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

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

8. Well Name and No.  
ROSA UNIT #230A

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

9. API Well No.  
30-039-27288

3. Address and Telephone No.  
PO BOX 3102 MS 25-1, 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)  
1460' FNL & 790' FWL, SE/4 NW/4 SEC 31-31N-05W

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 Drilling/Completion

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.)\*

08-01-2003 MIRU, mix spud mud. Drill MH & RH. Spud well @ 1700 hrs, 7/31/03. Drill surface hole from 0' to 310'. Circulate, drop totco & TOO, misfire. RU & run 6 jts 9-5/8", 36# csg to 300'. RU & cmt as follows: 10 bbls FW spacer, 165 sxs (42 bbls) Type III w/ 2% CaCl & 1/4 PPS Celloflake mixed @ 14.5 ppg, 1.41 yld. Displace to 260' w/ 20 bbls FW. Late pump pressure 95 psi, SI. Circ 22 bbls cmt to surface. WOC.

08-02-2003 WOC, NU BOP, test BOP to 1500 psi HI/LO. Test csg to 1500 psi for 30 mins, all held. PU monel DC, TIH, drill cmt, drill 8 3/4" hole from 310' to 1485' w/ single shot survey every 200'.

08-03-2003 Drill from 1485' to 2920' w/ single shot & totco surveys. Bit torqued. SLM OOH for bit. 24-hr forecast: TIH w/ bit #3, TD well, TOO, run csg, cmt

08-04-2003 Finish TOO, MU RR bit #3, TIH. Drill from 2920' to 3157', circulate. Run final single shot survey, separation from Rosa Unit #13A well is 93.89'. TOO, LD DP & DC's. RU csg crew, run 7" csg to 3154'. Circ csg, RU cementers. Cmt csg as follows: pump 10 bbls FW spacer ahead. Lead: 400 sxs (148 bbls) PREM LITE FM w/ .25% Celloflake & 8% Bentonite @ 12.1 ppg, 2.08 yld. 100% excess over gauge hole. Tail: 50 sxs (13 bbls) Type III w/ .25% Celloflake @ 14.5 ppg, 1.4 yld. 0% excess. Displaced w/ 126 bbls FW. Late pump pressure 950 psi. Bumped plug @ 22:40 hrs w/ 1200 psi. Circulate 22 bbls cmt to surface. Check float, held. RD cementers. Jet pits, back off landing jt, ND BOP. Release rig @ 0300 hrs, 8/4/03.

Continue on Back

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

Signed Tracy Ross  
Tracy Ross

Title Production Analyst

Date September 24, 2003

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date OCT 01 2003

Conditions of approval, if any:

FARMINGTON FIELD OFFICE

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

08-17-2003 MIRU, spot ramp & equipment. NDWH, NU BOP stack, NU HCR's, pressure test blinds to 2000 psi. Tally, PU & TIH w/ 6 1/4" bit, eight 4

¾" DC's & 94 jts 2-7/8" AOH DP, tag soft cmt @ 3080', SDFN.

08-18-2003 Finish RU blooie lines. RU 3.5 power swivel. Break circulation w/ prod wtr, DO soft cmt from 3080' to 3104' (float collar), DO float collar, shoe jt & shoe from 3104' to 3154', DO open hole from 3154' to 3173'. Wait on mud loggers (computer virus). Still no mud logger, got OK to drill ahead to 3320', DO open hole from 3173' to 3320'. Circulate hole clean. LD 3 jts, PU bit inside 7" to 3141', SDFN.

08-19-2003 RU mud logger, PU 3 jts, tag @ 3220'. Break circ w/ prod wtr, drilling open hole from 3220' to 3342' (TD). Circulate hole clean. Attempt to unload well w/ air only, having booster problem. LD 7 jts, hand swivel back. TOOH w/ bit, SDFN.

08-20-2003 MU tools, TIH w/ Baker 6 ¼" X 9 ½" PDC under reamer to 3160'. RU power swivel, replace packing n same. Attempt to unload hole w/ air only & booster went down (replaced all suction & discharge valves earlier). Attempt to repair booster. PU under reamer inside csg, SI & SDFN

08-21-2003 Repair air booster.

08-22-2003 Unload well w/ air only, break circulation w/ 16 bph a/s mist, open arms on under reamer. Under reamer from 3160' to 3342', run three 5 bbl sweeps. LD 8 jts, RD 3.5 power swivel. TOOH w/ UR, break out & load out tools. RU 2.5 power swivel, lock bit in top rams, turn over to night crew. Natural surge, 4 hr SI = 230 psi, ret's lt, flow natural ½ hr. Build surge.

08-23-2003 Surge from surface 2 times @ 1000 psi w/ 7 bph a/s mist, ret's lt coal, flow natural 1 hr each. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 250 psi, ret's lt, flow natural. TIH & tag 6' of fill @ 3336'. RU power swivel, break circulation w/ 10 bph a/s mist. CO to TD @ 3342', run 6 bbl sweep. Blow well from 3342' w/ 7 bph a/s mist, run four 6 bbl sweeps, ret's lt-med fine coal. PU bit to 3140'. Surge from 3140' w/ 7 bph a/s mist @ 800 psi, ret's lt, flow nat 1 hr. Surge w/ 5 bbls ahead & 7 bph a/s mist to 1000 psi, ret's lt, flow nat 1 hr. Surge w/ air only @ 1450 psi, ret's lt coal & hvy wtr, flow natural ½ hr. Surge w/ 5 bbls ahead & 7 bph a/s mist @ 1350 psi, ret's lt, flow nat ½ hr. Surge w/ 7 bph a/s mist @ 1200 psi, ret's coal & hvy wtr, flow nat 1 hr. Surge w/ air only @ 1400 psi, ret's lt coal & hvy wtr, flow nat 1 hr.

08-24-2003 Surge from 3140' w/ 7 bph a/s mist @ 1400 psi, ret's lt coal & med wtr, flow nat 1.5 hrs. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 270 psi, ret's lt. TIH & tag/CO 112' of fill w/ 14 bph a/s mist. Blow well from 3342' (TD) w/ 10 bph a/s mist & 5 bbl sweeps. PU bit to 3320'. Break over w/ air only @ 900 psi, ret's hvy dry fine to ¾" size coal. Circulate hole clean from 3320' w/ 10 bph a/s mist. Flow natural w/ good flare, turn over to night crew. Surge from 3320' (3 times) w/ 7 bph a/s mist to 900 psi, ret's med fine to ½" size coal, circulate clean w/ 10 bph a/s mist each surge, flow natural after circulate clean. Flow natural.

08-25-2003 Circulate hole clean. Surge from 3320' w/ 7 bph a/s mist @ 900 psi, ret's med coal, circulate clean, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 400 psi, ret's fine dry dust. Surge f/3320' w/10 bph a/s mist @ 900 psi, ret's med fine to 1/2" size coal. Tag/CO 5' of fill w/10 bph a/s mist. Blow well from 3343' w/10 bph a/s mist, run two 5 bbl sweeps. Blow dry w/air only. TOOH w/bit, lock same in top rams. Break over w/air only @ 740 psi & bridge off deep, pump 10 bbls ahead & pressure to 750 psi, surge bridge out, ret's med coal. Flow natural w/good flare. Natural surge, 3 hr SI = 400 psi, ret's med fine coal, flow nat 1 hr. SI for natural surge.

08-26-2003 Natural surge, 3 hr SI = 380 psi, ret's lt dry coal, flow natural 1 hr. SI for natural build up. Travel to location, hold safety mtg. Natural surge, 4 hr SI = 420 psi, ret's lt dry coal. Flow natural (act's partially bridged). Surge from surface w/7 bph a/s mist to 900 psi, ret's wtr, no coal, bridged off. TIH & tag 52' of fill @ 3290'. RU power swivel, break circ w/10 bph a/s mist. CO to TD @ 3342', run two 6 bbl sweeps. Blow well from 3342', PU bit to 3320'. Surge from 3320' w/two 5 bbl pads @ 900 psi, ret's med fine to ½" size coal, circulate hole clean after surge. Flow natural. Attempt to break circulation w/10 bph mist, good circulation but no wtr, ret's dry gray powder dust, pump numerous 5 bbl sweeps but never returned. Pump 5 bbls down backside & SI for 4 hr natural.

08-27-2003 Natural surge, 4 hr SI = 410 psi, ret's med fine to ¼" size material, sample = 30% coal & 70% shale, flow natural 1 hr. SI for natural build up. Travel to location, hold safety mtg. Natural surge, 4 hr SI = 380 psi, ret's lt coal & hvy wtr, flow nat 1 hr. Attempt to break circulation w/ 10 bph a/s mist & started getting sticky, PU bit to shoe. Break circulation @ 3164', w/ 10 bph a/s mist. CO to 3330' w/ 10 bph a/s mist, ret's extra hvy fine to coffee ground size material, sample = 40% coal & 60% shale. LD 5 jts, bit @ 3164', turn over to night crew. Flow natural, flowing steady stream of water. Surge from 3164' w/ 7 bph a/s mist @ 600 psi, ret's hvy fine to ½" size coal, flow natural 1 hr. Surge from 3164' (2 times) @ 650 psi w/ 7 bph a/s mist, ret's hvy coal, circulate hole clean each surge, flow natural 1 hr each

08-28-2003 Circulate well w/10 bph a/s mist, flow natural. Surge from 3164' w/7 bph a/s mist @ 750 psi, ret's lt coal & med wtr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 440 psi, ret's med-hvy coal. TIH & tag 73' of fill @ 3269', break circ w/10 bph. CO from 3269' - 3342' w/10 bph a/s mist, run three 6 bbl sweeps. Surge from 3320' w/10 bph a/s mist @ 650 psi, ret's med fine to 1/2" size coal, circ hole clean w/10 bph a/s mist. PU bit to 3164'. SI for natural, service equip, turn over to night crew. Natural surge, 2 hr SI = 400 psi, ret's lt coal & med wtr, flow natural 1.5 hrs. Natural surge, 2 hr SI = 420 psi, ret's lt coal & lt wtr, flow 1.5 hrs.

08-29-2003 Flow well, surge w/ air mist 10 bph, 1 hr = 600 psi, ret's med coal med H2O, SWI for 4 hr natural build up. Travel to loc, hold safety mtg, 4 hr SI = 420 psi. Surge well, ret's lt coal, lt wtr. TIH, tag 20' of fill, CO to PBTD, blow well dry, TOOH. Surge from surface w/ air mist 10 bph w/ 1-5 bbl pad, 1 ¼ hr = 900 psi, ret's hvy coal & hvy wtr, flow 1 hr. Surge from surface w/ air mist 10 bph w/ 2 -5 bbl pads, 1 ½ hrs = 1000 psi, ret's hvy coal, med H2O. Surge natural, 3 hr SI = 400 psi, ret's hvy coal, med wtr, flow 1 hr. SI for natural surge.

08-30-2003 SI for natural surge, 3 hr = 420 psi, ret's med coal, med water, flow well ½ hr, SI for 4 hr build up. Travel to loc, hold safety mtg. 4 hr SI = 440 psi, ret's med coal & wtr, flow well 1 hr. 4 hr SI = 440 psi, ret's lt coal, lt water, flow natural 2 hr. 4 hr SI = 380 psi, ret's hvy coal, hvy water, flow natural 1 hr. 4 hr SI = 400 psi, ret's med coal, lt water, flow natural 1 hr. SI for natural surge.

08-31-2003 4 hr SI = 400 psi, ret's med coal, med wtr, flow well natural 1 hr, SI @ 0300 hrs for natural build up. Travel to loc, hold safety mtg. 4 hr SI = 400 psi, ret's hvy coal, lt wtr, flow natural, RD swivel. TIH, tag @ 3327', RU power swivel. CO w/ air mist to PBTD, ret's ½" to ¾", pump sweeps to clean up wellbore. Pull up to 7" shoe, release rig crew, night crew surge w/ air mist. Flow well natural. Surge w/ air mist, .5 hr = 500 psi, ret's med coal, hvy fines, lt wtr, circulate .5 hrs w/ air mist, flow natural 1 hr. Surge w/ air mist, 1 hr = 500 psi, ret's med coal, hvy fines, lt wtr, circulate .5 hrs w/ air mist, flow natural 1 hr. Surge w/ air mist, 1 hr = 560 psi, ret's med coal & wtr, hvy fines, circulate .5 hrs w/ air mist, flow natural.

09-01-2003 Flow well natural. Surge w/ air mist, 1 hr = 600 psi, ret's med coal & wtr, circulate .5 hrs w/ air mist, flow natural 1 hr, SI @ 0300 hrs for 4 hr natural build. Travel to loc, hold safety mtg. 4 hr SI = 420 psi, surge well, ret's med coal & wtr. Tag bridge @ 3227', establish circulation w/ air mist, CO to PBTD. Circulate hole clean, blow well dry. RD power swivel, TOOH, RU to surge natural from surface. SWI for natural surge. 2.5 hrs = 420 psi, ret's lt coal & med wtr, flow natural 1 hr. Natural surge 4 hrs SI = 420 psi, ret's lt coal & lt wtr, flow natural 1.5 hrs. SWI for natural build up.

09-02-2003 SIW for natural build up, 4 hr SI = 420 psi, ret's Lt coal, med water, flowed well natural 1 hr, SI for 4 hr build up. Travel to loc, hold safety meeting, 4 hr SI = 400 psi. Surge well, ret's Lt coal & med water, flow natural. Surge f/surf w/ 10 bph air mist, pumped 5 bbl pad @ start, 5 bbl pad @ 250 psi, 5 bbl pad @ 500 psi, final press = 750 psi, X-tra hvy coal & water, flowed natural 1.5 hrs, rig crew on stand by in case well bridged off. Natural surge, 4 hr SI = 400 psi, ret's Lt coal & Lt water, flowed natural 1 hr, rig crew rel. @ 14:30. Natural surge, 4 hr SI = 400 psi, ret's med coal & Lt water, flowed natural 1 hr. Natural surge, 3 hr SI = 380 psi, ret's Lt coal & Lt water.

09-03-2003 Flow natural. Surge w/7 bph a/s mist @ 700 psi, ret's hvy coal & hvy wtr, flow natural 1 hr. SI for natural surge. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 480 psi, ret's extra hvy fine to 3" size coal, both blooie lines opened & plugging up. Surge energized w/three 5 bbl pads to 750 psi, ret's hvy coal, well partially bridged off. TIH & tag bridge @ 3227'. RU power swivel, tie back on single line. CO f/3227'- 3342' w/10 bph a/s mist & 5 bbl sweeps, ret's extra hvy coal. LD 8 jts, hang swivel back, RU on 2 lines. TOOH w/bit, lock same in top rams. Natural surge, 2 hr SI = 420 psi, ret's hvy fine 1/2" size coal & med wtr, flow natural 1.5 hrs. Natural surge, 2 hr SI = 400 psi, ret's med-hvy fine to 1/2" size coal & hvy wtr, flow nat 1 hr.

09-04-2003 Flow natural. Natural surge, 2 hr SI = 400 psi, ret's Lt coal & med wtr, flow nat 1/2 hr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 420 psi, ret's med fine to 3/4" size coal, flow nat 1 hr. Surge energized w/ three 5 bbl pads to 560 psi, ret's hvy fine to 2" size coal, flow nat 2 hrs. Natural surge, 3 hr SI = 430 psi w/lt returns, flow natural 1.5 hrs. Natural surge, 3 hr SI = 420 psi, ret's med fine to 1/2" size coal & med wtr, flow nat 1.5 hrs. SI for natural build up.

09-05-2003 Natural surge, 4 hr SI = 420 psi, ret's Lt coal & med wtr, flow natural 1 hr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 420 psi, ret's Lt coal. Surge energized w/three 5 bbl pads @ 850 psi, ret's extra hvy fine to 3/4" size coal & hvy wtr, well bridged off w/3' high flare. TIH & tag bridge/fill @ 3222'. RU power swivel, break circ w/10 bph a/s mist. Attempt to break over top coal w/10 bph a/s mist @ 710 psi, ret's med dry coal. CO from 3222' to 3330' w/10 bph a/s mist & 5 bbl sweeps, ret's hvy 1/4" size coal. PU bit to 3164', turn over to night crew. Flow well natural. Natural surge, 3 hr SI = 420 psi, ret's med coal & med wtr. SI for natural build up.

09-06-2003 Natural surge, 3 hr SI = 420 psi, ret's med coal & med wtr. Flow well natural w/steady stream of wtr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 3.5 hr SI = 420 psi, ret's med fine to 1/2" size coal. TIH & tag 32' of fill @ 3310', break circ w/10 bph a/s mist. CO f/3310'- 3342' w/10 bph a/s mist & 5 bbl sweeps, ret's hvy fine to 1/4" coal. Blow well f/3342' (td) w/10 bph a/s mist, run six 5 bbl sweeps, ret's hvy coal each sweep. Blow dry w/air only. LD 8 jts, hang swivel back. TOOH w/ bit, lock same in top rams. Turn over to night crew. Natural surge, 2.5 hr SI = 400 psi, ret's Lt coal & med wtr, flow natural 1 hr. Natural surge, 2 hr SI = 400 psi, ret's Lt coal & med wtr, flow natural 1 hr. SI for natural surge.

09-07-2003 Natural surge, 3 hr SI = 410 psi, ret's Lt coal & med wtr. SI for natural. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 420 psi, ret's Lt coal & hvy wtr. TIH & tag 18' of fill @ 3324'. RU Power swivel, break circulation w/ 10 bph a/s mist. CO from 3324' to 3342' w/ 10 bph a/s mist. Blow well from TD w/ 10 bph a/s mist, run five 5 bbl soap sweeps, ret's med-hvy fine to 1/4" size coal. PU bit to 3164', turn over to night crew. Natural surge f/3164', 3.5 hr SI = 420 psi, ret's med-hvy fine dry coal dust, flow natural 1.5 hrs. Natural surge, 3 hr SI = 410 psi, ret's Lt coal & med wtr.

09-08-2003 Flow natural. Natural surge, 2 hr SI = 410 psi, ret's Lt, flow natural 1/2 hr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 3.5 hr SI = 420 psi w/ Lt ret's. TIH & tag 4' of fill @ 3338'. Break circulation w/ 10 bph a/s mist. CO to TD @ 3342', run 5 bbl sweeps every 1/2 hr, ret's Lt-med fine to 1/4" size coal. LD 6 jts, PU bit to 3164'. Service equipment, wash trees w/ FW, turn over to night crew. Flow natural on 6" blooie line & evaporate pit, choke well back w/ manual valve.

09-09-2003 Flow natural on 6" blooie line & evaporate pit, choke well back w/ manual valve. Travel to loc, hold safety mtg. TIH, tag 4' of fill @ 3338'. LD 6 jts, hang swivel back. TOOH, LD DC's. RU csg crew, tally 6 jts 5 1/2" csg. CO rams, couldn't get rams to close, repair same. MU setting tool, PU & MU 6 jts 5 1/2", N-80 csg, RD csg crew. TIH w/ 5 1/2" liner, stack out @ 3327'. RU power swivel, break circulation w/ 10 bph a/s mist. Circulate/wash liner down to TD @ 3342', J-off and land TOL @ 3068' (85' overlap). RD power swivel. TOOH, LD 2-7/8" DP, break out & load out tools. ND stripper head, wait on wireline, bad road conditions. PU tools, SI & SDFN.

09-10-2003 SICP = 420 psi, NU lube head, RU Computalog WL, MU guns. Perforate 5 1/2" liner w/3 1/8" HSC guns, 0.49" dia, 12" pent & 12 grm chgs @ 3230'- 42' (48 holes), 3280'- 88' (32 holes), 3298'- 3324' (104 holes), make 2 runs, all shots fired (184 total), RDWL. NU stripper head, C/O to run 2 7/8" tbg. Tally, PU & TIH w/101 jts 2 7/8" tbg. Land tbg @ 3315' KB as follows: 1/2 mule shoe, 1 jt 2 7/8" tbg, 2.25" SN w/PO plug & 100 jts 2 7/8" tbg (101 jts total). RD power swivel, tongs & rig floor. NDBOP stack & HCRs, NUWH, pres test to 3000 psi & held, PO plug @ 550 psi. RD rig & equip, rel well to prod, move to the Rosa #160B, final report.