

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 -2 AM 11:44

070 Farmington, NM

5. Lease Designation and Serial No.
SF-078771

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
ROSA UNIT #215A

9. API Well No.
30-039-27422

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

11. County or Parish, State
RIO ARRIBA, 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 25-1, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2630' FNL & 1150' FWL, SW/4 NW/4 SEC 26-31N-06W

CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

☒ Subsequent Report

Final Abandonment

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.)*

06-29-2003 MOL & RU AWS #507. Mix mud and spud 12-1/4" surface hole at 1600 hrs 06/28/03. TD surface hole at 322'. Run 7 jts, 9-5/8", 36# csg & land @ 314'. RU BJS, cmt as follows: precede cmt w/ 10 bbls fresh water, cmt with 165 sx (233 cu.ft) of Type III w/ 2% CaCl2 & 1/4#/sx celloflake. Displaced cmt w/ 21.7 bbls of water. PD @ 0115 hrs 6/16/03. Circulated out 15 bbls of good cmt, WOC.

06-30-2003 WOC. Install csg. Head and NU & BOP. PT. TIH & D/O cmt. Continue drilling and survey w/water/polymer.

07-01-2003 Continued to drill and survey w/bit #2 & water/polymer.

07-02-2003 TD at 3065'. Circulate & TOOH. RU csg crew, RIH w/ 71 jts 7", 20# csg, landed @ 3061.89'. Insert float @ 3018'. Ran cmt guide shoe on bottom. RD csg crew, RU BJS, cmt as follows: precede cmt w/ 10 bbls water, lead w/ 340 sx (711 cu.ft.) of 65-35 Type III Poz w/ 8% gel, 1% CaCl2, 1/4 #/sx of celloflake. Tail w/ 50 sx Type III w/ 1% CaCl2 & 1/4#/sx celloflake. PD @ 2045 hrs 7/01/03. Circulated out 5 bbls of light cmt. RD & ready rig to move. Rig Released at 00:00 hrs 7/2/2003.

Continue on Back

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

Signed

Tracy Ross

Title Production Analyst

Date August 28, 2003

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 08 2003

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

07-21-2003 MIRU, spot in rig & equip (no anchors). NU BOP stack w/RU trucks. Anchors set, RU rig & equip, NU part of blooie line, SDFN

07-22-2003 Finish NU blooie lines, pres test blinds & HCRs to 2000 PSI & held. Tally/caliper & PU eight 4 3/4" DC's & 86 jts 2 7/8" AOH DP, tag cmt @ 2935'. Tie back on single line, RU 3.5 power swivel & geograph. Pres test csg & pipe rams to 2000 PSI & held. DO soft cmt f/2935'- 3018' (flt clr) DO flt clr, shoe jt & shoe to 3068'. Circ hole clean, SI & SWFN.

07-23-2003 RU mud logger. Drig open hole f/3068'- 3236' (slow drig, bentonite & shale clay). Circ hole clean. Unload & blow well dry w/air only. LD 5 jts, PU bit to 3040', SI & SWFN.

07-24-2003 Blew seal on rig fuel pump, repair same. TIH & tag 5' of fill @ 3200', break circ w/14 BPH A/S mist. Drig f/3205' to 3364' w/6000 to 8000 WOB @ 90 RPM. Circ out samples. Load hole w/140 bbls clean produced FRC wtr. LD 11 jts, hang swivel back, RU on 2 lines. TOO H w/bit. RU Halco WL, run GR / SDL / DSN f/3364' to surface, RD Halco.

07-25-2003 MU tools, TIH w/ 6" X 9 1/2" Baker PDC under reamer to 3063'. Repair air line break on rig. Unload well w/air only, break circulation w/17 bph A/S mist, open arms on UR. Under ream from 3063' to 3185'. Circulate clean. LD 4 jts, PU bit to 3030', SI & SWFN.

07-26-2003 TIH w/UR to 3180'. Break circ w/14 bph A/S/ST mist, open arms on UR. Under ream from 3185' to 3320'. Circulate hole clean. LD 10 jts, hang swivel back. TOO H w/UR, load out tools. RU power swivel, lock bit in top rams. RU Yellow dog & chart recorder, turn over to night crew. Flow natural. Natural surge, 4 hr SI = 400 psi, ret's lt. Flow natural.

07-27-2003 Surge from surface (2 times) w/10 bph A/S mist @ 900 psi, ret's lt coal & lt wtr, flow natural after each surge. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 450 psi w/lt ret's. TIH & tag 17' of fill @ 3303', (under reamed to 3320', TD @ 3362'). Tie back on single line, RU power swivel. CO from 3303' to 3362' w/10 bph A/S mist, ret's med fine to 1/4" size coal w/some shale, blow well from TD, run three 6 bbl sweeps. TOO H w/bit, lock bit in top rams. Break over w/air only @ 850 psi, ret's lt dry coal. Flow natural. Surge energized w/three 5 bbl pads @ 1100 psi, ret's lt to nothing. Flow natural. Surge w/ 10 bph A/S mist to 1100 psi, lt ret's. Flow natural. Surge well w/10 bph A/S mist to 1000 psi & let set, ret's lt fine coal. Flow natural.

07-28-2003 Natural surge, 3 hr SI = 370 psi, ret's lt coal. Flow natural. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 450 psi, ret's lt coal & med wtr. Flow natural. Surge energized to 1400 psi w/three 5 bbl pads, ret's hvy wtr & lt coal. Start in w/bit & DC's, well started to unload on own. Flow natural. TOO H w/DC's, lock bit in top rams. Natural surge, 4 hr SI = 400 psi, ret's med coal & coal dust & med black wtr. Flow natural. Natural surge, 4 hr SI = 425 psi, ret's coal dust, lt-med coal & med blk wtr. Flow natural. SI for natural build up

07-29-2003 Natural surge @ 300 psi, ret's lt coal & lt wtr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 420 psi, ret's lt coal & lt blk wtr. RD swivel. TIH & tag 83' fill @ 3237'. RU power swivel, tie back on single line. Break circ w/14 bph a/s mist, CO from 3237' to 3320' run five 6 bbl sweeps, ret's hvy coal. LD 2 jts, PU bit to 3260', turn over to night crew. Flow natural. Surge well (4 times) from 3260' w/5 bbls ahead & 10 bph A/S mist to 800 psi, unload well w/a-s mist each surge, ret's med-hvy coal, flow natural after each surge

07-30-2003 Surge well from 3260' w/ 7 bph A/S mist to 800 psi, ret's heavy coal & lt wtr. Flow natural. SI for natural build. Travel to loc, hold safety mtg. Natural surge, 4 hrs SI = 520 psi, ret's lt coal dust, unload well w/ 10 bph A/S mist. TIH, tag 42' of fill @ 3278'. CO to 3320' w/ 10 bph A/S mist, ret's hvy coal. Blow well from 3320' w/ w/10 bph a/s mist, run four 6 bbl sweeps. LD 2 jts, PU bit to 3260'. SI for natural build up, have roustabouts repair blow pit, natural surge, 3 hr SI = 380 psi, ret's lt coal & lt wtr, turn over to night crew. Flow natural. Surge from 3260' (4 times) w/10 bph A/S mist @ 800 psi, unload well w/ A/S mist after every surge, ret's med coal & lt wtr, flow natural after every surge

07-31-2003 Surge well f/3260' w/7 bph a/s mist to 900 psi, ret's hvy fine to 1/2" size coal & med wtr, flow to bridged off. Surge 2 times & work bridge to surface. Flow natural. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 520 psi w/lt ret's. Tag/CO 26' of fill f/3294'- 3320' w/14 bph a/s mist. Blow well f/3320' w/14 bph a/s mist, run two 6 bbl sweeps. Blow dry w/air only. LD 8 jts, hang swivel back, RU on 2 lines. TOO H w/bit, RU swivel, lock bit in top rams. Gauge well on 2" open line @ 404 mcf/d, all gauges dry = 7 oz. Break over w/air only @ 840 psi, ret's med fine to 1/4" size coal & lt wtr, turn over to night crew. Flow natural w/12' high flare. Natural surge, 4 hr SI = 570 psi, ret's lt to med coal. Flow natural. Natural surge, 2 hr SI = 480 psi, ret's lt. Flow natural. SI for 2 hr natural.

08-01-2003 Flow natural. Natural surge, 2 hr SI = 450 psi, ret's lt coal. Flow natural. SI for 4 hr natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 500 psi, ret's lt coal & lt wtr. Surge f/surface w/7 bph a/s mist @ 850 psi, ret's lt coal, flow natural 1 hr. Surge f/surface w/7 bph a/s mist @ 1200 psi, ret's med fine to 1/2" size coal, flow natural 1.5 hrs, turn over to night crew. Surge w/7 bph a/s mist @ 1200 psi, ret's med fine to 1/2" size coal, flow natural 1 hr. Surge w/7 bph a/s mist @ 1300 psi, ret's hvy fine to 1" size coal, flow natural 1.5 hrs. Surge w/7 bph a/s mist @ 1200 psi, ret's med coal, flow natural 1 hr. Surge f/surface energized @ 1300 psi w/7 bph a/s mist & 7 bbl pad, ret's med coal & hvy wtr. Surge w/air only @ 1300 psi (no breakover) ret's med coal.

08-02-2003 Flow natural. Surge f/surface w/air only @ 1200 psi, ret's med fine to 1/2" size coal, flow natural 1/2 hr. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 480 psi, ret's hvy coal & hvy wtr, bridge off, surge bridge out @ 500 psi, well unloading on own. TIH & tag 225' of fill @ 3095'. Tie back on single line, RU power swivel. Break circ w/10 bph a/s/ci mist, CO from 3095' to 3320', ret's hvy coal, run nine 5 bbl sweeps. Blow well f/3320' w/10 bph A/S mist, run three 5 bbl sweeps, ret's hvy coal. LD 9 jts, PU bit to 3040', turn over to night crew. Natural surge, 4 hr SI = 480 psi, ret med dry coal & lt wtr, flow natural 1 hr. Surge f/3040' w/7 bph A/S mist @ 850 psi, ret's med fine coal & lt wtr, flow natural 1 hr.

08-03-2003 Flow natural. Surge f/3040' w/7 bph a/s mist @ 1200 psi, ret's med fine coal, flow natural 1.5 hrs. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 490 psi, ret's med coal & lt wtr. TIH & tag bridge @ 3296'. Break circ w/10 bph a/s mist, CO to 3320', run two 6 bbl sweeps, ret's hvy coal. Blow well f/3320' w/10 bph a/s mist, run three 6 bbl sweeps. Blow dry w/air only. TOOH w/bit, lock bit in top rams. Gauge well on 2" open line @ 539 mcfd, all gauges dry = 12 oz, turn over to night crew. Break over w/air only @ 790 psi, ret's lt dry coal, flow natural ½ hrs. Natural surge, 4 hr SI = 500 psi, ret's med coal. Surge from surface w/7 bph a/s mist @ 700 psi, ret's med fine to 1/2 size coal, flow natural 1 hr. Build surge.

08-04-2003 Surge from surface w/ 7 bph a/s mist @ 750 psi, ret's med coal & med wtr. Flow natural, well unloading wtr on own. SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 500 psi, ret's lt. Surge from surface (energized) w/ three 7 bbl pads @ 1000 psi, ret's hvy fine to 1.5" size coal, flow natural 1 hr. Attempt to surge bridge out @ 2000 psi w/ rig pump, didn't move. TIH, tag bridge @ 1395'. RU power swivel, break circ w/ 14 bph a/s mist. CO 1st bridge from 1395' to 1724', 2nd from 2260' to 2354', well unloading hvy coal, continue in & tag @ 3245', CO to 3268' & run two 6 bbl sweeps. PU bit to 3260', turn over to night crew. Flow natural, surge from 3260' 2 times w/ 7 bph a/s mist to 700 psi, ret's med coal, unload well after each surge w/ 7 bph a/s mist.

08-05-2003 Flow natural, surge from 3260' w/ 7 bph a/s mist @ 800 psi, ret's hvy coal & med wtr. Flow natural ½ hrs, SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 510 psi, ret's lt coal & lt wtr. Tag 55' of fill @ 3265', break circ w/ 14 bph a/s mist. CO from 3265' to 3320' w/ 14 bph a/s mist & 6 bbl sweeps. Blow well from 3320' w/ 10 bph a/s mist, run three 6 bbl sweeps. Blow dry w/ air only. Flow natural on 6" blooie line. Gauge well on 2" open line @ 600 mcfd, all gauges dry = 15 oz. TOOH w/ bit. RU power swivel, lock bit in top rams, turn over to night crew. Natural surge, 2 hr SI = 400 psi, ret's lt, flow natural 1 hr. Natural surge, 2 hr SI = 380 psi, ret's lt, flow natural 1 hr. Natural surge, 3 hr SI = 480 psi, ret's med coal & med wtr.

08-06-2003 Natural surge, 2.5 hr SI = 420 psi, ret's lt coal & med wtr. Flow natural, SI for natural build up. Travel to loc, hold safety mtg. Natural surge, 4 hr SI = 490 psi, ret's lt-med dry fine coal dust. Surge f/surface (energized) to 800 psi w/two 6 bbl pads, ret's med fine dry coal & lt wtr. Surge energized to 1280 psi w/10 bph a/s mist & four 6 bbl pads, ret's extra hvy fine to 3" size coal, bridge off @ blooie lines. Work bridge out w/10 bph a/s mist @ 800 psi & bridge off solid. TIH & tag bridge @ 750'. RU power swivel, break circ w/10 bph a/s mist. CO 1st bridge from 750' to 812', 2nd from 874' to 920', 3rd from 1283' to 1314' & numerous scattered bridges from 1500' to 2731', @ 2731' well unloading hvy coal on own, unload well. Continue in & tag in open hole @ 3221'. CO from 3221' to 3268', run 6 bbl sweep. PU bit to 3260', turn over to night crew. Blow well from 3260' w/10 bph a/s mist & 6 bbl sweeps, ret's hvy coal. Flow natural. Surge from 3260' w/7 bph a/s mist to 700 psi, ret's hvy fine to 1/2" size coal.

08-07-2003 Unload well from 32060' w/ 7 bph a/s mist, ret's hvy coal. Flow natural. Surge from 3260' w/ 7 bph a/s mist, ret's hvy coal, flow natural 1 hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 520 psi, ret's lt-med fine dry coal dust. Surge energized from 3260' (3 times) @ 1040, 980 & 720 psi, ret's on all = ext hvy fine to 1" size coal, unload well w/ 10 bph a/s mist each surge. CO from 3260' to 3320' w/ 10 bph a/s mist, run three 6 bbl sweeps. PU bit to 3260'. Surge from 3206' (4 times) w/ 7 bph a/s mist @ 700 psi, ret's hvy coal, unload well after each surge

08-08-2003 Flow natural, surge from 3260' w/ 10 bph a/s mist @ 760 psi, ret's med coal & med wtr. Flow natural, SI for natural build up. Travel to location, hold safety meeting. Natural surge, 3 hr SI = 480 psi, ret's lt-med coal & lt wtr. CO from 3260' to 3320' w/ 10 bph a/s mist. Blow dry w/ air only. Hang swivel back. TOOH w/ bit, lock same in top rams. Gauge well on 2" open line @ 970 mcfd, all gauges dry = 2.5 psi, turn over to night crew. Natural surge, 3 hr SI = 500 psi, ret's hvy fine to ½" size coal, flow natural 1 hr. Natural surge, 3 hr SI = 440 psi, ret's med coal & med wtr, flow nat 1 hr. SI for natural build up.

08-09-2003 Natural surge, 3 hr SI = 460 psi, ret's med-hvy coal & med wtr. Flow natural, SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 470 psi, ret's med-hvy fine to ½" size coal & med-hvy wtr. Surge from surface w/ 5 bbl pad ahead & 7 bph a/s mist to flatline @ 690 psi, ret's med fine coal & hvy wtr. Flow natural w/ strong flare, well unloaded med-hvy wtr. Natural surge 4 hr SI = 480 psi, ret's lt-med coal & med wtr, flow natural 1 hr. Natural surge 4 hr SI = 460 psi, ret's lt coal & med wtr, flow natural 1 hr. SI for natural surge.

08-10-2003 Natural surge, 4 hr SI = 460 psi, ret's lt coal & wtr, flow natural ½ hr. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 460 psi, ret's lt coal & wtr, flow natural 1 hr. Natural surge, 3 hr SI = 440 psi, ret's lt. Surge from surface energized w/ two 5 bbl pads to 700 psi, ret's lt to med coal, flow natural 1 hr, turn over to night crew. Surge energized w/ two 5 bbl pads & 7 bph a/s mist to 750 psi, ret's med coal. Flow natural. Surge energized w/ 3 pads @ 720 psi, ret's med coal & med wtr. Flow natural. Start building surge.

08-11-2003 Surge from surface w/ 10 bph a/s @ 700 psi (break over) ret's med coal. Surge w/ 10 bph a/s mist @ 700 psi, ret's med coal. Flow natural. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 3 hr SI = 520 psi, ret's lt. TIH & tag 85' of fill @ 3235'. RU power swivel, tie back on single line. CO w/ 14 bph a/s mist from 3235' to 3320', run two 6 bbl sweeps. Blow w/ air only. TOOH w/ bit, lock bit in top rams. Gauge well on 2" open line @ 752 mcfd, all gauges dry = 1.5 psi. Surge from surface energized w/ three 7 bbl pads & 7 bph a/s mist @ 860 psi, ret's extra hvy fine to 3" size coal, bridge off. Surge 3 times to 500 & surge bridge out, flow natural w/ ½ flow. SI for natural build up.

08-12-2003 Natural surge, 4 hr SI = 460 psi, ret's hvy coal & hvy wtr. Flow natural. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 43 hr SI = 480 psi, ret's hvy coal & hvy wtr, well partially bridged off. Surge from surface energized w/ 10 bph a/s mist & three 7 bbl pads, ret's ext hvy coal & hvy wtr, still partial bridge. Attempt to surge bridge out @ 1000 psi, bridged solid. TIH & tag bridge @ 2354'. Break circulation w/ 14 bph a/s mist, C 1st bridge from 2354' to 2394'. Tag/CO from 2511' to 2580'. Tag & CO from 3195' to 3320'. Blow well from 3320' w/ 10 bph a/s mist, run three 6 bbl sweeps. PU bit to 3260', turn over to night crew. Flow natural. Surge from 3260' w/ 10 bph a/s mist @ 650 psi 2 times, ret's lt-med ¼" coal, flow natural 1 hr each surge. Start building.

08-13-2003 Surge from 3260' w/ 7 bph a/s mist @ 650 psi, ret's lt-med ¼" size coal, flow natural 1.5 hrs. SI for natural build up. Travel to location, hold safety meeting. Natural surge, 4 hr SI = 460 psi, ret's lt. Tag & CO 40' of fill from 3280' to 3320', run two 6 bbl sweeps. Blow well from 3320' w/ 10 bph a/s mist, ret's lt coal, sweep well. Blow dry w/ air only. PU bit to 3260', RU yellow dog, turn over to night crew. Flow natural & evaporate pit.

08-14-2003 Flow natural & evaporate pit. Travel to location, hold safety meeting. Tag/CO 7' of fill from 3313' to 3320', run 6 bbl sweep. Hang power swivel back. TOOH, LD 4 ¾" DC's. RU csg crew, MU 7 jts 5 ½", 17#, N-80 csg, land @ 3320'. TOL @ 3002' w/ 60' of overlap. POOH LD w/ 2 7/8" AOH DP. WO Black Warrior, gauge well on 2" open line @ 970 mcf/d, all gauges dry = 2.5 psi. RU Black Warrior, perforate 5 ½" liner 4 SPF w/ 3 1/8" HSC guns, .45" dia, 15" pent & 11.91 gram chgs @ 3123' to 3150' (108 holes), 3198' to 3208' (40 holes), 3218' to 3262' (176 holes), 3295' to 3298' (12 holes) make 4 runs, all shots fired, 336 total holes, RD BWWC, SION.

08-15-2003 SICP = 460 psi, blow well down (easy), C/O to run 2-7/8" tbg. Tally in w/ 101 new jts 2-7/8" tbg to 3307'. RU air, pump out plug @ 250 psi, unload well w/ air only, bucket test = 11 bph. Land tbg in donut @ 3286' as follows: ½" mule shoe, 1 jt 2-7/8" tbg, 2.25" SN & 99 jts 2-7/8" tbg, 100 jts total. ND BOP stack, NUWH, pressure test WH to 2500 psi & held. RD rig & equipment, release well to production department. Final report.
