

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

2004 APR 13 11:44  
070 Farmington, NM

Lease Designation and Serial No.  
SF-078771

If Indian, Allottee or Tribe Name

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)  
2275' FNL & 1410' FEL, SW/4 NE/4 SEC 26-31N-6W

7. If Unit or CA, Agreement Designation  
ROSA UNIT

8. Well Name and No.  
ROSA UNIT #211

9. API Well No.  
30-039-24430

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

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.)\*

03-01-2004 MIRU, spot equipment, sale gas overnight.

03-02-2004 Sterns Enterprise on location, won't be able to raise derrick until sound walls in place, because guy lines, will interfere w/ boom truck. ND tree w/ help of roustabouts backhoe. NU BOP, cavitation spool, HCR valves. Wait on bolts for top BOP & innovator head. NU top BOP & innovator head, RU closing unit & function test HCR's & BOP's. RU pump & pit, help roustabout crew finish. RU blooie line, Sterns still putting up sound walls.

03-03-2004 Raise derrick & pull guy lines, RU floor, change pipe rams, change slip dies, RU tongs, pull tbq hanger, TOO, std back 2 7/8" tbq & tally, 100 jts, 2.25" "F" nipple, 1 jt 2 7/8" tbq, notched collar = 3205.34'. RU V-Door, pull pipe out of basket & put on pipe rack, 1st row didn't have any stripping boards underneath. Tally 2 7/8", 10.4# AOH DP, MU liner pulling tool, PU DP & TIH, 80 jts in hole, pulling tool @ 2518', PU tools, SWIFN, sale gas overnight

03-04-2004 Tally 2-7/8" DP, PU & TIH. & TIH. Tie back single line, tag liner top 12' on jet #95 @ 2971', screw into liner hanger w/ pulling tool, string weight = 30K, pull 50K over string weight, liner moving uphole, pull 6 stds, install 5 1/2" rams, TOO, standing back DP. RU csg crew, LD 6 jts 5 1/2", 15.5#, K-55 pre-perfed csg. RD csg crew, break out liner pulling tool. OD & ID DC's, tally & PU BHA as follows: 6 1/4" bit, bit sub, 8 - 4 3/4" OD DC's, XO to DP. TIH w/ 89 jts DP & BHA, LD 6 jts, run 6 jts out of derrick, BHA @ 3041'. RU power swivel, manifold on stand pipe, shut pipe rams, put gas down sales line, SDFN.

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

APR 15 2004  
FARMINGTON FIELD OFFICE  
BY [Signature]

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

NMUCD

03-05-2004 Est. circ. w/ 12 bph mist. CO to 3231', formation running coal & shale. Circulate air only, dry up well. LD 6 jts w/ swivel, pull bit up to 3012'. Flow well natural .75 hr., shut pipe rams & HCR's.

03-08-2004 Surge from shoe w/10 bph mist, ½ hr = 800 psi, ret's coal fines & med water, flow natural ½ hr. Surge from shoe w/7 bph mist, ¾ hr = 800 psi, ret's coal fines & med water, flow natural 1.25 hr. Surge from shoe w/air only to 400 psi, start 5 bph mist, .75 hr = 800 psi, ret's very light coal, med water, flow natural .75 hr. Surge from shoe w/air only, 1/2 hr = 600 psi, ret's dust & very lt coal 1/16" in size, flow natural .5 hr. Surge from shoe energized w/ 3-5 bbl pads, ¾ hr = 800 psi, ret's lt coal ¼" in size, med water, flow natural ¾ hr. Surge from shoe w/ 7 bph mist, ¾ hr = 800 psi, ret's lt coal, lt water, flow natural 1.25 hr, natural build.

03-09-2004 Built up to 350 psi in 2 hrs & leveled out, surge natural, ret's lt coal & med wtr. CO 30' of fill, TD 13' in on jt #96 @ 3246', KB correction from top of slips = 10', pump sweeps & circulate clean. Circulate w/ air only, making 1" stream of water, bypass air. LD 7 jts, bit @ 3041', flow well natural on 2" line for 1 hr, gauge well on 2" line, 3 readings 15 min apart, lt to med mist, 2 lbs = 869 mcf. Natural surge, .75 hr SI = 300 psi, ret's lt coal, med water, flow natural 1 hr, close pipe rams.

03-10-2004 Surge from shoe w/10 bph mist, .5 hr = 600 psi, ret's med coal & med water, flow natural .75 hr. Surge from shoe 10 bph mist, 1 hr = 650 psi, ret's med coal & med water, flow natural 1.5 hr. Natural surge 1 hr = 275 psi, ret's med coal (fines to 1/16" in size), med water, flow natural 1 hr. Natural surge, .75 hr SI = 300 psi, ret's fines & lt coal, med water, flow natural 1.25 hr. Surge from shoe w/10 bph mist, pumped 5 bbl pad @ start, .5 hr. = 520 psi, ret's med coal, hvy water, natural flow bringing 1" to 2" stream of water with lt to med coal - 2 hrs, SWI.

03-11-2004 Well SI overnight, 1.5 hrs well built to 350 psi, surge well, PU singles & TIH, tag 15' in on jt #93 @ 3152'. Establish circulation w/ 12 bph mist, CO 84' of fill to 3236', formation running coal 1/16" to ¼" in size. LD 6 jts w/ swivel, bit @ 3041'. Sterns Enterprise on location to install vent on noise wall, AWS mechanic on location to install new rear-end & driveline. Natural surge from shoe, 1 hr SI = 250 psi, ret's lt coal & shale, hvy water, flow natural 2.5 hr, brought lt shale, after 1 hr started flowing 1 ½" stream of water w/ lt shale, SWI.

03-12-2004 Natural surge, well SI overnight, 2 hrs it built to 350 psi, surge well, ret's gas only, started bringing lt wtr after 1 hr, flow natural, gather noise readings for Brent. Natural surge, 2 hr SI = 350 psi, ret's very lt coal, lt wtr, flow nat 2 hr, produce well up csg over weekend, lock pipe rams, pumper will start compressor. SWI.

03-15-2004 SD production equip. TIH, tag @ 3226', est. circ. w/ 12 bph mist, start CO, got to 3231' & lost partial ret's, bypass air, pull up to 3168' & reestablish circulation, formation running coal & shale, continue to circulate. Bit @ 3200', still running coal & shale, fines to ¼" in size, continue circulate & pump sweeps. CO from 3200' to 3231', circulate & pump sweeps, cal & shale starting to slow down. Bypass air, LD 6 jts w/ swivel.

03-16-2004 Natural surge, 2 hr SI = 250 psi, built to 325 psi over night, ret's lt coal. TIH, tag ledge @ 3168', est. circulation w/ 12 bph mist, CO to 3246', slowly lost ret's & got sticky, by pass air. Pull up to 3137', well unloaded hvy coal & water, establish circulation w/ 12 bph mist, pump 5 bbl sweep, brought back hvy coal & shale. Tag @ 3168', had to drill from 3168' to 3200', circulation good. Make connection, drill from 3200' to 3231', circulation good. Make connection, drill from 3231' to 3246', circulation good, ret's med coal w/ shale. Circulate w/ 12 bph mist, got sticky, LD 1 jt, able to maintain circulation & rotate free 15' off bottom. Circulate w/ air only to unload water. LD 6 jts, RD swivel.

03-17-2004 Csg pressure = 350 psi, surge well, ret's lt coal, lt water, TOO. Surge from surface, air only breakover, 1.25 hr = 470 psi, ret's very lt coal fines, flow natural 1.25 hr., 1" stream of water. Natural surge from surface, 2 hr SI = 300 psi, ret's gas only, flow natural 1.75 hr, 1" stream of water. SWI for natural build over night.

03-18-2004 SI over night = 350 psi, 2 hr = 325 psi, ret's lt mist, flow natural, ret's 1" stream of water. Surge from surface energized, pump 5 bbl pad @ 200 psi & 400 psi, 1 hr = 500 psi, ret's lt coal, flow natural 1.5 hr, ret's 1" stream of water. Surge from surface energized, air only to 300 psi, pump 5 bbl pad, press to 450 psi, pump 5 bbl pad, pressure to 550 psi, pump 5 bbl pad, air only .5 hr, 1.75 hr = 550 psi, ret's hvy coal (fines to ½" in size), med wtr, flow natural 3.25 hr. SI well over night for build up.

03-19-2004 Natural surge from surface, well SI overnight, 2.5 hr SI = 360 psi, ret's med coal, lt mist, flow natural. Natural surge from surface, 1 hr SI = 325 psi, ret's lt coal, flow natural 1 hr. Natural surge from surface, 1.5 hr SI = 350 psi, ret's lt coal, lt mist, flow natural 2 hrs, shut & lock blind rams.

03-22-2004 Energized surge from surface, natural surge from surface. CO bridges @ 2053', 3028', 3063', total of 19' of fill, CO to 3105', circulate hole clean, pull up into 7".

03-23-2004 Csg. press. = 350 psi, surge well, ret's very lt coal. TIH from shoe, tag @ 3106', est. circ. w/ 15 bph mist, CO to 3231', slowly lost ret's. Pull up to 3137', est. circ. w/ 12 bph mist, CO to TD. Circulate w/ air only, bringing 1 ½" stream of water, by pass air. LD 6 jts., RD swivel. TOO, flow well on 2" while RU to surge from surface.

03-24-2004 Natural surge from surface, 1.25 hr SI = 300 psi, ret's very lt fines, flow natural 2 hr, 1 ½" stream of water. Natural surge from surface, 1.25 hr SI = 300 psi, ret's gas only, flow natural 1.5 hr, 1 ½" stream of water. Natural surge from surface, 1.5 hr SI = 300 psi, ret's med coal, lt water, flow natural 1.75 hr, SIW overnight for natural build.

03-25-2004 Csg. press. = 350 psi, natural surge from surface, ret's coal dust, lt. coal, flow nat., after 1 hr. started bringing 1 ½" stream of water. Surge energized from surface w/ 3 - 5 bbl pads spaced out, 1.25 hr. = 600 psi, ret's med coal, hvy water, flow natural 1.75 hr, 1 ½" stream of water. Natural surge from surface, 2 hr. SI = 340 psi, ret's lt coal, med water, flow natural 1 hr. Natural surge from surface, 1 hr. SI = 290 psi, ret's lt coal, flow natural 1.5 hr, ret's 2" stream of water.

03-26-2004 Natural build overnight = 370 psi, surge from surface, ret's gas only, flow natural. TIH w/ 6 ¼" bit, 8 - 4 ¾" DC's, 2 7/8" DP, change elevators, tie back single line, RU power swivel. PU singles w/ swivel & TIH, tag 3' in on jt #93 @ 3140. Establish circulation w/ 12 bph mist, CO to TD, 15' of fill. Circulate w/air only, ret's 1 ½" stream of water. Bypass air, pull bit up to 3012', natural surge, 1 hr SI = 300 psi, ret's lt mist & very lt coal, flow natural.

03-29-2004 SIW for natural surge, 1.5 hrs SI = 320psi, ret's gas only, flow natural 1.5 hr, ret's 1 1/2" to 2" stream of water. Natural surge, 1 hr SI = 300 psi, ret's gas only, flow natural 2 hrs, gas only. Natural surge, 1.5 hr. SI = 160 psi, r ret's lt. to med. coal, hvy. water, flow natural 2.5 hrs., ret's 1 1/2" stream of water.

03-30-2004 CO to 3137', formation running coal & shale, circulate & pump sweeps. Make connection, continue CO, 3200' slowly lost ret's, pull up to 3170', got ret's back, hvy coal & shale, continue circulation, sweeps bring back hvy material. Bypass air, pull bit up to 3012'.

03-31-2004 TIH from 3012' to 3137'. Establish circulation w/ 12 bph mist. Work tight spot between 3137' & 3168', running coal & shale. Make connection @ 3168', able to work pipe from 3168' to 3180', running coal & shale. Bit @ 3200', formation running hvy coal & shale, continue circulation. Bypass air, pull bit up to 3047'.

04-01-2004 PU singles w/swivel & TIH, tag @ 3152', establish circulation w/ 12 bph mist. CO from 3152' to 3168', running coal & shale. CO from 3168' to 3200', work pipe, ret's hvy. Made connection @ 3200', slowly lost ret's. Lay down jt #95, pull up to 3168', got circulation back, work pipe from 3168' to 3200', pump small sweeps to help maintain circulation. Make connection @ 3200', work pipe from 3200' to 3231', slowly lose ret's, pull up to 3190', pump sweep, bring back hvy coal & shale. Bypass air, LD 7 jts w/ swivel, RD swivel, change elevators, tie back double fast, TOOH 1.5 hr.

04-02-2004 Csg press = 360 psi, blow well down on 2" line. MU BOT Lockomatic under reamer, TIH. Change elevators, tie back single line, RU swivel, change out rubber. Under reamer @ 3074', est. circ. w/ 12 bph mist, open cutters. Start reaming @ 3074', ledges f/ 3074' to 3105', tight spot 3130' to 3137', 3 tight spots f/ 3137' to 3168', tight spot 3180' to 3200', ledges to 3231', tight spot 3231' to 3246'. Under reamer @ 3240', pump 2 bbl sweep, sweep never got sweep back, swivel torqued up, unable to move pipe up or down, slack off & press annulus, pull up to 3200'. Surge press off annulus, est. circ., work pipe f/ 3200' to 3231', pump 2 bbl sweeps, med to hvy coal & shale in ret's. Bypass mist, circ. air only. Bypass air, LD 6 jts., under reamer @ 3012'.

04-05-2004 Csg pressure = 360 psi, blow well down on 2" line. TIH from 3012', tag 12' in on jt 93 @ 3180', est circulation w/ 12 bph mist, CO to TD @ 3246', circulate 3/4 hrs. LD 7 jts, RD swivel, tie back double fast. TOOH, stand back 2 7/8" DP, LD BHA. RU csg crew, change elevators, install 5 1/2" rams, hold safety meeting. PU 5 1/2", 15.5#, K-55 csg & TIH as follows: LA set shoe - 1', 6 jts 5 1/2", 15.5#, K-55 csg - 273.38', H-Latch S Collar w/sleeve - 2.4', length of BHA = 276.78'. RD csg crew. TIH w/ 2 7/8" DP - 88 jts, tie back single line, PU singles & TIH, tag 10' out on jt 92 @ 3162'. RU swivel, establish circulation w/ 12 bph mist, circulate & rotate liner to 3242', bypass air, drop off 5 1/2" liner, shoe @ 3242', LT @ 2965', 59' of overlap. RD swivel, tie back double fast. TOOH, LD DP, breakout setting tool.

04-06-2004 Csg. press. = 350 psi. RU Computalog, RIH w/ perf gun, run collar strip. Perforate top down 4 spf, total of 640 holes, (3063' to 3103'), (3108' to 3148'), (3153' to 3193'), (3199' to 3299'), RD Computalog. TIH as follows: 2 7/8" muleshoe - .40, 1 jt 2 7/8" tbq - 31.57, 2.28" SN - 1.08, 99 jts. 2 7/8" tbq - 3140.70, 2 7/8" pup jt - 10.00, 1 jt 2 7/8" tbq - 31.75, KB - 12.00, tbq landed @ 3227.50, total of 101 jts of tbq. Sierra on location to RD blooie line, rig crew RD floor, ND BOP. NU WH & test 3000 psi 10 minutes. Circulate down tbq w/air, pump out alum plug in SN, pressure to 200 psi, pumped air for 1/2 hr pressure stayed @ 200 psi, bypass air, let well flow natural up csg 1/2 hr.

04-07-2004 Reverse circ. w/air, attempt to unload well up tbq, pressure to 400 psi & leveled, bypass air, circulate down tbq, pump 2 bbl sweep, circulate 1/2 hr, got water back, bypass air. Let well flow natural 3/4 hr while rigging down. Release rig @ 1200 hrs, 4/7/04