

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 MAR 11 AM 10:37
070 Farmington, NM

Lease Designation and Serial No.
SF-078764

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 25-1, TULSA, OK 74101 (918) 561-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1850' FSL & 790' FWL, NW/4 SW/4, SEC 31 T31N R5W

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #97

9. API Well No.
30-039-23304

10. Field and Pool, or Exploratory Area
UNDES. GALLUP/BASIN DAKOTA

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 _____

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.)*

12-19-2003 MIRU, spot in rig & RU, well SI for weekend.

12-22-2003 ND tree, NU BOP. Screw pup it into donut, attempt to release pkr. ND stripping head, pull donut above BOP & set slips, break out donut, NU stripping head. RU power swivel. Weatherford pkr hand on location, try to release production pkr, call for free point truck, tied up on job, continue to try & release pkr. Wireline Specialties called, truck finished up headed our way, RD power swivel. Wait on wireline truck. RU Wireline Specialties. RIH w/ 1-11/16" sinker bar, tag @ 7330', POOH, RIH w/ 1 1/2" sinker bar, tag @ 7658', POOH, SWIFN.

12-23-2003 RIH w/ free point, showed 100% free @ 7410', 65% @ 7465', 65% @ 7500', 18% @ 7630', tagged @ 7638', got a few false readings, recalibrate & free point again, POH. MU 80 grain prep shot & RIH, shoot @ 7607' to remove any scale, POH, MU 1 1/2" chem. cutter, RIH, string weight 34,000# pull up to 60,000#, cut tbg @ 7607', weight dropped to 34,000#, POOH, RD wire line. Tally tbg while TOH, pulled 36 stands, next 5 jts had deep pits & scale on out side, depth around 2594'. Wait on float. Move power swivel skid, spot in float, set catwalk closer to rig, SWIFN.

Continued on back

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

Signed

TRACY ROSS

Title SENIOR PRODUCTION ANALYST

Date March 4, 2004

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ACCEPTED FOR RECORD

MAR 11 2004

NMOCGD

12-24-2003 LD 2 3/8" tbg, 226 jts & 6' cutoff. Service unit & pump, SWI until 12/29/03.

12-29-2003 TIH w/ RBP & pkr. Set RBP @ 6560', 15' in jt #210. Put valves in pump, load hole w/ produce water, set packer & test BP to 600 psi for 15 minutes, release pressure, unable to get test on csg, hunt hole in am. Pull 10 stds, SWIFN. Drain up equipment & lines.

12-30-2003 Thaw out pump & put valves back in. Pull 40 stds. Test csg w/ pkr to isolate csg leak, found bad csg. Bottom @ 2731', top @ 2199', total of 532' of bad csg. Get injection rate, 2.2 bpm @ 600 psi. TIH to 4759', dump 2 sks of sand down tbg, displace to end of tbg w/ water. TOO H w/ pkr. TIH to 2757', 88 jts, SWIFN, drain pumps & lines.

12-31-2003 Load hole w/ rig pump, took 12 bbls to load, circ till clean. Tbg @ 2757', spot balanced plug from 2757' to 1213', pump 5 bbl H₂O ahead, pump 100 sacks type 3 neat cmt with 1% calcium chloride @ 14.6 ppg, displace w/ 3.5 bbl H₂O, SD. Pull 25 stands, tbg @ 1190', reverse out, took 8 bbls to load hole, tbg displace was 2.6 bbls, formation took 5.4 bbls, rev out 25 bbl cmt. TOH w/ tbg. Load hole, took 4 bbls to load, pipe displace = 2 bbl, formation took 2 bbls, total fluid formation took = 7.4 bbls, close blind rams, displace 3 bbls, total displace = 10.4, press 350 psi, SD 15 min., displace 1 bbl, total displace = 11.5, press 160 psi, SD 15 min, displace 1 bbl, total displace = 12.5, press 200 psi, SD 30 min, pump .5 bbl, total displace = 13, press 100 psi SD 30 min., pump .5 bbl, total displace = 13.5, press 50 psi, SIW till 1/5/2004. Drain pumps & lines, release rig crew, start back up on 1/5/2004, Happy New Year.

01-05-2004 Csg had slight vacuum, TIH open ended, tag w/ 37 stds @ 2320'. RU pump, circulate hole, test csg, press to 800 psi, lost 200 psi in 4 min., notify engineer, test csg to 500 psi, lost 180 psi in 15 min., notify engineer, call BJ Services, won't have crew until tomorrow, notify engineer, wants to go ahead & drill out cmt. TOO H w/ tbg. Tally & caliper 3 1/8" DC's, MU 3 7/8" bit, TIH. RD power tongs, RU power swivel. Drill out cmt from 2320' to 2629', circulate clean, pull 10 stds. Drain up equipment, SWIFN

01-06-2004 TIH w/10 stands. RU power swivel. Est. rev circ. Start drilling cmt @ 2629', fell out of cmt @ 2765', circ hole clean. Pressure test csg 500 psi, lost 200 psi in 15 min. RD swivel & TOO H. TIH w/2 3/8" tbg to 2757', 88 jts. RU BJ Services, safety meeting. Pump 5 bbl H₂O ahead, mix & pump 50 sacks Type 3 Neat cmt w/2% calc. chloride @ 14.6 ppg. 12.2 bbls yield = 1.38, 6.64 gps mix wtr, spot plug f/2757' to 1968'. Pull tbg up to 1942', reverse circ, rev out .5 bbl good cmt, TOH. Took 3 bbl to load hole, close blind rams, pump .5 bbl press to 750 psi, SD 15 min, press = 450 psi, .1 bbl = 800 psi, SD 15 min, press = 575 psi, .1 bbl = 800 psi, SD 15 min, press = 715 psi, .1 bbl = 800 psi, total displaced = .75 bbl, SIW bleed off lines. RD BJ. Drain pumps & lines, SIWIFN.

01-07-2004 Change out hydraulic pump, service pump. Test csg above squeeze before drilling out, 600 psi 15 min., good test. MU 3 7/8" bit. Blind rams wouldn't open, froze up, thaw out. TIH w/ bit, 6 - 3 1/8" DC's & 56 jts tbg to 1939'. RU power swivel, PU tbg & circ down, tag 15' in jt #58 @ 1985'. Drill out squeeze from 1985' to 2189', circ hole clean. RD power swivel. Pull 5 stands, SWIFN. Drain pumps & lines.

01-08-2004 TIH w/ 5 stands. RU power swivel. Establish reverse circulation, drill cmt from 2189' to 2531', circulate hole clean. RD power swivel. RU power tongs, pull 5 stands. Drain pumps & lines, SWIFN.

01-09-2004 TIH w/ 5 stands. RU power swivel. Bit @ 2531', establish reverse circulate, rig pump broke down. RD swivel, pull 10 stands, SIW, unable to get pump running, transmission or clutch problem, call for mechanic. Wait on mechanic. Pull transmission, throwout bearing, shifter arm, clutch, will fix over weekend if parts are available.

01-12-2004 TIH w/ 10 stds. RD power tongs, RU power swivel. Est. reverse circulation. Drill out cmt from 2531' to 2763', fell out of cmt. Circulate hole clean. Pressure test squeeze, 500 psi, lost 100 psi in 15 minutes, bleed off press. RD power swivel, RU tongs. LD 27 jts, TOO H, stand back 28 stds & 3 stds DC's. TIH w/ head & 35 stds to 2189'. Drain pumps & lines, SDFN.

01-13-2004 Retrieving head @ 2189', circ w/ air only & unload hole. Stage in hole & unload water every 20 stds down to RBP. Circulate sand off top of RBP w/ 10 bph mist. Release RBP, bypass air, TOO H. PU BHA as follows & TIH: 3-7/8" OD shoe, 9 jts of 3-3/4" OD washpipe, bushing, string float, 3-1/8" OD jar, X-O, 6 - 3-1/8" OD D.C.'s, X-O, accelerator, X-O. TIH w/ 7 stands tbg. Drain pumps & lines, SDFN.

01-14-2004 Continue TIH, tag 10' out on jt. #224 @ 7479', 128' above fish top. RD power tongs, RU power swivel. Unload fluid, est. circ. w/ 12 bph mist. CO fill down to fish top, circ press = 1600 psi, climbed up to 1800 psi, drop mist to 10 bph, press leveled @ 1700 psi, drop 1 compressor, pressure running 1500 psi, booster got hot, bring on 2nd compressor, press went to 2000 psi, cut mist, circ air only to dry up wellbore, CO to 7607'. Circulate pressure w/ air only = 950 psi, bypass air pump 5 bbl H₂O to kill tbg. RD swivel, RU tongs. Pull 20 stands to get washpipe above perfs, shoe @ 6397'. Drain pumps & lines, SDFN.

01-15-2004 Shoe @ 6397', TIH to 7607'. RD tongs, RU swivel. Est. circ. w/ 10 bph mist, press = 1200 psi. Washover 2 3/8" tbg, got to 7652', hydraulic motor blew apart, circ. clean, bypass air. RD swivel. Pull 22 stands, had to wrench out w/ 36" pipe wrench. Drain pumps & lines, SDFN.

01-16-2004 Hoppers Specialties on location. Install hydraulic pump. Run rig & test hydraulic pump, still not running right, call for parts. Wait on parts. Repair rig & test hydraulic system, to late to start wash over, SI for weekend.

01-19-2004 RU tongs, TIH to top of fish @ 7607'. RU power swivel, establish circulation w/ 12 bph mist, circulate down to 7645'. Make connection, establish circulation, tag @ 7653', continue wash over, not able to make any hole. RD swivel, stand back tbg & DC's. LD wash pipe, boxes swelled, shoe left in hole. Drain pumps & lines, SWIFN

01-20-2004 Csg. press = 40 psi, blow well down. PU fishing tools. TIH w/ 3 7/8" OD O.S. X 2 3/8" basket grapple, 3 1/8" OD bumper sub, 3 1/8" OD jar, 6 - 3 1/8" OD D.C.'s, 3 1/8" OD intensifier, & 2-3/8" tbg, tie back single line. Tag fish top @ 7594', latch onto fish & begin jarring. Release over shot, tie back double fast, TOO H. Drain pumps & lines, SWIFN

01-21-2004 PU BHA as follows: 3 7/8" OD shoe, 3 jts 3 3/4" OD wash pipe, jars, 6 - 3 1/8" OD D.C.'s, intensifier & TIH, load bad wash pipe on hotshot truck & send to Baker's yard. X-O to tbg & TIH w/ 2 3/8" tbg. Tie back single line, PU power swivel, change out rubber. Unload fluid in hole, est. circ. w/ 12 bph mist. Circ. down over fish w/ jt #233, #234, #235, tag 6' in on jt #236 @ 7648'. Start milling on shoe left in hole, made 2' to 7650'. Bypass air, RD power swivel, LD 3 jts. Pull BHA above perfs, shoe @ 6362'. Drain pumps & lines, SWIFN

01-22-2004 TIH f/ 6362' to top of fish @ 7594', RD tongs, RU power swivel. Est. circ. w/ 12 bph mist. Circ. wash pipe down over 2 3/8" tbg, tag @ 7650', start milling on shoe, made 6". Bypass air, RD swivel, RU tongs, tie back double fast. TOO H, crown on OD of shoe worn off. MU new shoe to BHA, TIH to 6362'. Drain pump & lines, SWIFN

01-23-2004 BHA @ 6362', TIH to top of fish @ 7607'. Tie back single line, RU power swivel. Unload fluid in hole, est. circ. w/ 12 bph mist. Circ. down over 2 3/8" tbg, tag junk in hole (wash over shoe) @ 7650'. Milling on shoe left in hole, made 2' to 7652'. Circ hole clean, bypass air. Kill tbg., RD power swivel, RU tongs. Pull BHA above perfs, shoe @ 6362'. Drain pump & lines, SWIFN

01-26-2004 Waiting on call from engineer. Engineer called, said to carry on with milling & wash over operation.

01-27-2004 Hook up flow back lines, csg pressure = 210#, blow well down. BHA @ 6362', TIH to fish top. RD tongs, RU power swivel. Unload hole @ 7641', est. circ. w/ 12 bph mist. Circ down over tbg with shoe & wash pipe, tag 6" to 1' above last milling operation @ 7652', unable to make any hole, circulate hole clean. RD swivel, RU tongs, TOO H. Inspect BHA, shoe left in hole, possibly had down hole fire, notify engineer. Drain up pumps & lines, SWIFN

01-28-2004 Csg pressure = 0#, hold safety meeting. Tally & OD - ID BHA, TIH w/ 1 7/8" blade bit, 4 jts 1 1/4" MT DP, BHA length = 125.89'. XO & TIH w/ 2 3/8" tbg. RD tongs, RU power swivel. Unload hole & est. circ. w/ 12 bph mist. Tag & 7594', work 1 7/8" bit into 2 3/8" tbg. CO inside 2 3/8" tbg from 7594' to 7684'. Circulate hole clean. LD 3 jts w/swivel, RD swivel. Pull BHA above perfs. Drain pumps & lines, SWIFN.

01-29-2004 Bit @ 6362', TIH to 7589'. RD tongs, RU power swivel & PU jt #240. Circ w/ air only & unload hole. Est. circ w/ 12 bph mist. Rotate 1.875" bit & 1.25" DP into 2.375" tbg, CO to 7715', circulate clean. LD 4 jts, RD power swivel, tie back double fast. TOO H w/ 2.375" tbg. LD BHA, TIH w/ 3.750" OD overshot x 2.375" basket grapple & 105 stands, O.S. @ 6559'. Drain pump & lines, SWIFN.

01-30-2004 Cont. TIH to top of fish @ 7594', latch onto fish w/ overshot, PU to engage grapple, had 5pts overpull & lost it, felt like overshot came off fish, try to latch up fish again, PU 30' & come down, took weight higher. RU WireLine Specialties, RIH w/ collar locator, tag @ 7676', pull collar strip, fish parted, POH w/ wireline & RD wireline. TOO H, rec. cutoff - 24.25' long, 1 jt - 33.53' long, total of 57.78, new F.T. @ 7652'. PU BHA as follows & TIH, spear dressed w/ 3 1/4" grapple, 3 1/8" OD bumper sub, 3 1/8" OD jar, 6 - 3 1/8" OD D.C.'s, 3 1/8" OD intensifier, X-O & TIH w/ tbg. Tie back single line, spear wash over shoe, tag 12' in jt #239 @ 7654', start jarring up @ 55K, jarred 1/2 hr, fish moving up hole. Tie back double fast, pulled 70 stands. Drain pumps & lines, SWIFN.

01-31-2004 Csg press = 140 psi, blow well down. TOO H stand back tbg. Swap out D.C.'s, LD BHA, rec. top wash over shoe, & 2 pieces of bottom shoe. PU BHA & TIH as follows: 3 7/8" OD junk mill, bit sub, jar, 6 - 3 1/8" OD D.C.'s, X-O to tbg & TIH w/ 238 jts & 10' pup jt. RU power swivel, change out stripping rubber. Est. circ. w/ 12 to 14 bph mist. Tag 15' in on jt. #239 @ 7653', start milling. Made total of 3' to 7656', pump 3 bbl sweep & circ. clean, RD power swivel. Pull 20 stands, BHA above perfs. Drain pump & lines, SWIFN.

02-02-2004 Csg press = 220 psi, blow well down. TIH to 7640'. RU power swivel, PU jt #239, 1 compressor & booster having fuel problems. Change out fuel filters, get air equipment running. Air equipment running, est. circ. w/ 14 bph mist. Tag @ 7656', start milling on tbg & junk. Made total of 9' to 7665', returns bringing lt. sand, shale, & iron, pump sweep & circ. clean. Bypass air, kill tbg, RD swivel, tie back double fast. TOO H w/ junk mill. Drain up, SWIFN.

02-03-2004 Csg press = 0, caliper & tally BHA. PU BHA & TIH as follows: 3 7/8" OD shoe, 2 jts wash pipe, jar, 6 - 3 1/8" OD D.C.'s, total length = 259.25'. X-O & TIH w/ 236 jts 2-3/8" tbg. Tie back single line, change rubber, RU power swivel. Est. circ. w/ 15 bph mist. Milling depth yesterday was 7665', tagged w/ shoe @ 7657', 8' higher, made 1.5' in 3 hrs, notify engineer, continue milling while waiting on orders. Circulate clean, orders to TOO H, LD BHA. RD swivel, tie back double fast. LD 31 jts, TOO H stand back tbg. Drain up, SWIFN.

02-04-2004 Shut down waiting on orders, received call from engineer to plug & abandon.

02-05-2004 TOOH, std back tbg, LD BHA. MU 4 1/2" cmt retainer, TIH w/ 208 jts, set cmt retainer @ 6490'. Pressure test tbg to 1500 psi, bleed off tbg, release setting tool & pull out of retainer & load hole w/ H2O. Pressure test csg to 500 psi, lost 200 psi in 5 minutes. RU BJ Services, hold safety meeting. Start injection test w/ H2O, pumped 70 bbls, 2.8 bpm @ 125 psi. Mix & pump 255 sxs Class H cmt @ 15.6 ppg, total of 54 bbls, 3 bpm @ 150 psi. Start displacement, 2.5 bpm @ 350 psi, pressure steadily climbing, 12 bbls into displacement, pressured to 1500 psi, total of 41 bbls below retainer, sting out of retainer & spot remainder of 13 bbls on top of retainer, estimate cmt top @ 5660'. RD BJ, pull 28 jts, tbg @ 5623'. Reverse circulate w/ rig pump, circulate 0.25 bbl good cmt. Pull 5 stds, drain up, SWIFN.

02-06-2004 TOOH w/ cmt returns, setting tool. TIH w/ 2-3/8" tbg open ended. Establish reverse circulation @ 5686', circulate down & tag cmt top @ 5717'. RU BJ Services, safety meeting. Tbg @ 5717', spot balanced plug, 63 sacks Type III cmt + 1% CaCl @ 14.6 ppg, displace w/ 17 bbl H2O, estimate cmt top @ 4717'. RD BJ, LD 33 jts 2-3/8" tbg, 150 jts in hole, reverse circulate @ 4686', reverse out 0.5 bbl cmt. RD BJ, pull 5 stds to 4376'. Drain up equipment & lines, SWIFN.

02-09-2004 TIH, tag cmt top 18' in on jt 152 @ 4735', LD jt #152, PU 16' pup jt. Reverse circulate w/ rig pump, thaw out cmt pump. 151 jts + 16' pup jt in hole, tbg @ 4733', spot 1000' cmt plug, 63 sacks Type III cmt @ 14.6 ppg (15.5 bbls), displace w/ 13.9 bbls water, RD BJ. LD 32 jts tbg. 119 jts in hole, tbg @ 3721', reverse circulate, pull 5 stds, WOC. TIH, tag cmt top w/ 119 jts @ 3721', RU BJ, spot 1000' cmt plug from 3721' to 2721', 63 sacks Type III cmt + 1% CaCl @ 14.6 ppg, displace w/ 10 bbl water, RD BJ, LD 32 jts. 87 jts in hole, tbg @ 2721', reverse circulate, pull 5 stds, tbg @ 2409'. Drain up lines, SWIFN.

02-10-2004 Hydraulic hose leaking, call for new hose, found old hose to get by, swap out hoses. TIH, tag cmt top w/ 87 jts @ 2721'. RU BJ, hold safety meeting. Tbg @ 2721', spot 1221' cmt plug from 2721' to 1500', 77 sacks Type III cmt + 1% CaCl @ 14.6 ppg, displace with 5.2 bbl water. RD BJ, LD 39 jts of tbg. Tbg @ 1499', reverse circulate, circulate 1 bbl cmt. LD 22 jts, tbg, WOC. 11 stds in derrick, TIH, tag cmt top @ 1545', TOOH LD tbg. Drain up, SWIFN

02-11-2004 RU Black Warrior, hold safety meeting. Run cmt bond log from 1464' to surface. RIH w/ perf gun, shoot 3 squeeze holes @ 1450', POOH. Attempt to circulate braden head w/ rig pump, 2 bpm @ 1250 psi, no returns or blow on braden head, spot in cmt equipment. Plug Niacimiento as follows: injection rate = 2 bpm @ 1240 psi, mix & pump Type III Neat cmt @ 14.6 ppg, press 2 bpm @ 1000 psi, pressure dropped to 950 psi, 41 bbls cmt gone pressure to 1200 psi, start displacement, 1.8 bpm @ 1200 psi, 2 bbls into displacement, pressure to 1560 psi, broke to 650 psi, total displacement - 9.5 bbls, 850 psi, SWI, squeezed 114 sxs (28 bbls) into formation, left 53 sxs (13 bbl) in csg, estimate cmt top @ 614', WOC. Csg press = 0, RIH w/ perf gun, tag cmt top @ 614', PU to 450', shoot 3 squeeze holes, POOH. Circulate down 4 1/2" csg & up 13 3/8" csg out braden head w/ rig pump, RD wireline. Start 4 bbl dyed wtr, mix & pump Type III Neat cmt @ 14.6 ppg, pumped total of 289 sxs (71 bbls), circulate 5 bbl good cmt to pit, SD, wash up thru WH to clean out spool & BOP, RD cementers, RD floor, ND BOP, RD pump, pit, flow back tank, drop derrick in morning, release rig.