

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

070

5. Lease Designation and Serial No.
SF-078763

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #359

9. API Well No.
30-039-26724

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

11. County or Parish, State
RIO ARRIBA, NM

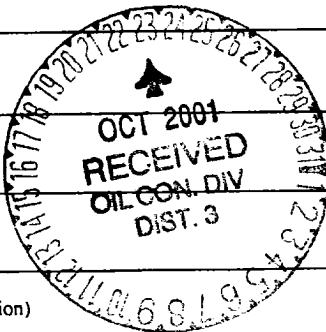
SUBMIT IN TRIPLICATE

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 37-2, TULSA, OK 74101 (918) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2155' FSL & 1870' FWL, NE/4 NW/4 SEC 04-31N-5W



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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

X Subsequent Report

Final Abandonment

Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
X Other COMPLETION OPERATIONS

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.)*

06-27-2001 MIRU. Drilling 12 1/4" surface hole to 303' w/ 120 rpm's, 116 spm, 200#. Spud well 2000 hrs, 6/27/01. Circulate & condition hole. Drop Totco, TOOH, survey @ 302' - 3/4". RU & run 7 jts 9-5/8", 36#, K-55 csg land @ 296', csg shoe @ 297'. Cmt as follows: 20 bbls H2O, 130 sks Type III cement w/ 2% CaCl2 & 1/4# sks Celloflake. Wt. 14.5 lb/gal, Yld. 1.41, displace w/ 20.5 bbls H2O, good circulation thru out job. Circulate 20 bbls excess cement to surface. WOC

06-28-2001 WOC, NU BOP, pressure test csg, BOP, choke & valves to 1500#, held OK. TIH, tag cmt @ 257'. Drill cmt, plug & shoe. Drilling from 303' to 1324'

06-29-2001 Drilling & WLS. Drilling from 1324' to 2810' w/ 75/85 rpm's, 45/50K, 1600#, 252 gpm

06-30-2001 Drilling from 2810' to 2845' w/ 75/85 rpm's, 45/50K, 1600#, 252 gpm. Circulate & pump sweeps to condition hole. TOOH (SLM out), LD DP & DC's. SLM - 2850.68'. CO rams & RU csg crew. Run 7" Csg. as follows: 1 F/S-1.0', 1 Jt 7" 20#, J-55, STC 47.30', insert float, 61 jts 7" 20#, J-55, 2808.85'. Total csg length 2857.15', float shoe @ 2850'. Circulate & RU cementers. Cement 7" as follows: 20 Bbls H2O, lead cement-325sks Prem. Lite Poz/Type III, 35/65 W/ 8% gel, 1% CaCl2, & 1/4# sk Celloflake yield 2.08 wt. 12.1, Tail cement-190sks Type III, 1% CaCl2, & 1/4# sk Celloflake. yld. 1.40 wt. 14.5 displace w/ 113.8 bbls H2O, good circ. Bumped plug to 1520#. Float equipment held O.K. Circulated 13bbls excess cement to surface. Plug dn @ 16:00 6/29/01. N/D BOP & valves. Set slips w/ 65K, CO, NU tbg head, test to 2500#, 10 min, OK. NU BOP, choke, string blooie lines. Pressure test csg, blind rams & choke to 2000#, OK. LD kelly, swivel & RU floor. PU 5" DC's & TIH

Continued on reverse side

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

Signed

Tracy Ross
Tracy Ross

Title Production Analyst

Date October 10, 2001

(This space for Federal or State office use)

Approved by

Title

Date

OR RECORD

Conditions of approval, if any:

06-30-2001 Drilling from 2810' to 2845' w/ 75/85 rpm's, 45/50K, 1600#, 252 gpm. Circulate & pump sweeps to condition hole. TOOH (SLM out), LD DP & DC's. SLM - 2850.68'. CO rams & RU csg crew. Run 7" Csg. as follows: 1 F/S-1.0', 1 Jt 7" 20#, J-55, STC 47.30', insert float, 61 jts 7" 20#, J-55, 2808.85'. Total csg length 2857.15', float shoe @ 2850'. Circulate & RU cementers. Cement 7" as follows: 20 Bbls H2O, lead cement-325sks Prem. Lite Poz/Type III, 35/65 W/ 8% gel, 1% CaCl2, & ¼# sk Celloflake yield 2.08 wt. 12.1, Tail cement-190sks Type III, 1% CaCl2, & ¼# sk Celloflake. yld. 1.40 wt. 14.5 displace w/ 113.8 bbls H2O, good circ. Bumped plug to 1520#. Float equipment held O.K. Circulated 13bbls excess cement to surface. Plug dn @ 16:00 6/29/01. N/D BOP & valves. Set slips w/ 65K, CO, NU tbg head, test to 2500#, 10 min, OK. NU BOP, choke, string blooie lines. Pressure test csg, blind rams & choke to 2000#, OK. LD kelly, swivel & RU floor. PU 5" DC's & TIH

07-01-2001 TIH, tag cmt @ 2795', RU power swivel. Pressure test pipe rams, HCR valves & manuals to 2000#, OK. Drill cmt, float collar & float shoe. Drilling from 2850' to 3108' w/ 14-20K, 800#, 240 gpm. Circulate & condition hole. TOOH, RU loggers. Log well - SDL/DSN & II/GR

07-02-2001 Log well - SDL/DSN & II/GR. RD loggers, RU stripping head. PU under reamer, TIH. Unload hole @ 2840'. Under ream from 2855' to 3010'. Open hole from 6 ¼" to 9 ¼". Dry hole, TOOH, LD under reamer. PU bit #4, TIH. Pitot test - 112 mcfd. SI for natural build, flow well. Surge 6 times w/ 2700 cfm, 10 bbls/hr mist, 10 bbl H2O w/ rig pump. Ending pressure 1600# to 1650#

07-03-2001 Surge 2 times w/ 2700 cfm, 10 bbls/hr mist, 10 bbl H2O w/ rig pump. Starting pressure 200# - 450#, ending pressure 1600# - 1650#. TIH, 0' fill. Surge 23 times w/ 2700 cfm, 10 bbls/hr mist, 10 bbl H2O w/ rig pump. Starting pressure 200# - 450#, ending pressure 1000# - 1650#. Returns: coal - 0 to heavy fines to 1". Shale: 0 to medium fines to ½"

07-04-2000 Surge well 23 times w/2700 CFM, 10 bbls/hr mist, 10 bbl w/ rig pump. End pressure 1000# - 1650#. Returns: coal 0 to heavy, fines to ½". TIH, tag @ 2855'. CO well from 2855' to 3008' w/ 1800 CFM, 10-12 bbls/hr mist, 10 bbls H2O sweeps, dry well

07-05-2001 TOOH to csg shoe, pitot test - 190 mcfd, shut in for natural build. Finish pressure - 500#. Surge well 9 times w/ 2700 cfm, 10 bbls/hr msit, 10 bbl w/ rig pump. End pressure 1000# - 1800#. Returns: coal 0 to heavy, fines to ½". TIH, tag @ 2990', CO well from 2990' to 3008' w/ 1800 cfm, 10-12 bbls/hr msit, 10 bbl H2O sweeps, dry well, TOOH to csg shoe. Pitot test - 204 mcfd. Surge well 4 times w/ 2700 cfm, 10 bbls/hr mist, 10 bbls H2O w/ rig pump. End pressure: 1000# - 1800#. Returns: coal 0 to heavy, fines to ½". Q = 204 mcfd

07-06-2001 Surge well 12 times w/ 2700 CFM, 10 bbls/hr mist, 10 bbls w/ rig pump. End pressure 1000# - 1500#. Returns: coal 0 to heavy, fines to ½". TIH, tag @ 2850', CO well from 2850' to 3008' w/ 1800 CFM, 10-12 bbls/hr mist, 10 bbls H2O sweeps

07-07-2001 CO well from 2850' to 3008' w/ 1800 CFM, 10-12 bbls/hr mist, 10 bbl H2O sweeps, dry well, TOOH to csg shoe. Pitot test 247 mcfd. SWI for natural build up, final pressure 430#. Surge well 15 times w/2700 CFM, 10 bbls/hr mist, 10 bbls H2O w/ rig pump. End pressure 1000#-1600#. Returns: coal 0 to heavy, fines to ½". Q = 247 mcfd

07-08-2001 Surge 4 times w/2700 cfm, 10 bbls/hr mist, 10 bbls H2O w/ rig pump. Starting pressure 400#, end pressure 1000# - 1600#. Returns: coal 0 to heavy fines to ½", shale 0 to medium, fines to ½". CO well from 2850' to 3008' w/1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Medium returns: Coal 90 %, shale 10%. Coal in H2O dark grey to black, fines to ¼" pieces. Shale fines to 1/8" pieces. 6' fill. Dry well, pitot test 190 mcfd. Surge 10 times w/2700 cfm, 10 bbls/hr mist, 10 bbls H2O w/ rig pump. Starting pressure 350#-400#, end pressure 1100# - 1750#. Returns: coal 0 to heavy, fines to ½", shale 0 to medium, fines to ½". TIH, no bridges, 0' fill. TOOH to csg shoe. Q = 190 mcfd

07-09-2001 Surge 19 times w/2700 cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure 350#, ending pressure 1100# - 1800#. Returns: coal-0 to heavy, fines to ¼". Shale-0 to medium, fines to ¼". CO well from 2850' to 3008' w/1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Medium returns: Coal 90%, shale 10%. Coal: coal in H2O dark gray to black, fines to ¼" pieces. Shale: fines to 1/8" pieces. 6' fill, surge 1 time w/2700 cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure 350#, ending pressure 1750#. Returns: coal-o to heavy, fines to ¼", shale-0 to medium, fines to ¼"

07-10-2001 Surge 12 times w/2700 cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure 350#, ending pressure 1450# -1850#. Returns: coal - 0 medium, fines to ¼". Shale - medium to heavy fines to ¼". CO well from 2855' to 2945' w/1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Heavy returns: coal 50%, shale 50%. Coal: coal in H2O dark gray, fines to ¼" pieces. Shale: fines to 1/8" pieces. Hole light & packing off

07-11-2001 CO well from 2945' to 3012' w/1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Heavy returns: coal 70%, shale 30%. Coal: coal in H2O dark gray, fines to ¼" pieces. Shale: fines to 1/8" pieces. Dry well, TOOH to csg shoe. Pitot test - 363 mcfd. Surge well natural 4 times, 2 w/ 4 hr build. Final pressures 310#, 355#. Light returns: coal 95%, shale 5%. Coal: fines to 1/8" pieces. Shale: fines. 2 w/ 2 hr build. Final pressure 250#. Light returns: coal 95%, shale 5%. Coal: fines. Shale: fines

07-12-2001 Surge w natural 3 times, 3 - w/ 2 hr build. Final pressures 250#, 250#, 250#. Light returns: coal 95%, shale 5%. Coal: fines. Shale: fines. TIH, tag @ 2879', CO well from 2879' to 2912' w/1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Increase to 2700cfm @ 14:00 hrs. Heavy returns: coal 70%, shale 30%. Coal: coal in H2O dark gray, fines to ¼". TOOH for bit. Taking 20K WOB to work down to 2912'. PU bit #5 (HTC - STR 09). TIH, bit #4 missing nose insert and 1/8" gouges on shanks. TIH, tag @ 2880'. CO well from 2880' to 2912' w/ 2700 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps every ½ hr. Heavy returns: coal 70%, shale 30%. Coal: coal in H2O dark gray, fines to ¼" pieces

07-13-2001 CO well from 2912' to 3008' W/ 2700cfm, 10-12bbls/hr mist (H2O & soap) 10bbls H2O sweeps every ½ hr. Heavy returns: Coal 10 % Shale 90%. Coal: coal in H2O dark gray, fines to ¼" pieces. Shale: fines to 1/8" pieces w/ sharp edges. CO well from 2980' to 3008' w/ 2700 cfm, 10-12 bbls/hr mist (H2O & soap) 10bbls H2O sweeps. Tagged bottom @ 16:00 hrs. Heavy returns declining to medium: Coal 20%, shale 80%. Coal: coal in H2O dark gray, fines to ¼" pieces. Shale: fines to 1/8" pieces w/ sharp edges. Note: Will drop 1 compressor this am

07-14-2001 Dry hole @ 3008'. TOOH to shoe, flow well. Pitot test, well still slugging, invalid test. Natural build, 280#. TIH to bottom, 5' of fill, TOOH for surge. Surge 12 times w/ 2700 cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure 350#, ending pressure 1350# - 1600#. Returns: 80% coal, 20% shale. Coal - heavy, fines to 1/8". Shale 0 to medium. Fines to 1/8". Last two surges: light to medium returns. CO well from 2880' to 2912'

07-15-2001 CO well from 2910' to 3005' w/ 1800 cfm & 10 BPH mist. POOH to shoe. Surge 3 times w/2700cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure 300# - 340#, ending pressure 1500# - 1600#. Returns: 70% coal, 30% shale. Coal - light. Fines to 1/8". Shale 0 to medium fines to 1/8". TIH, tag @ 2942'. CO well from 2942' to 3005' w/ 2700 cfm, 10-12 bph mist sweeps. Dry well, POOH to csg shoe for Pitot test. Flow well natural thru blooie lines. Pitot test - 218 mcf. SI well, pressure built to 235#. Surge 1 time w/ 2700cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure 250#, ending pressure 1550#. Returns: 30% coal, 70% shale. Coal - medium fines to 1/8". Shale - medium fines to 1/8"

07-16-2001 Surge 6 times w/2700cfm, 10-12 bbls/hr mist, 5-12bbls H2O W/ rig pump. Starting pressure 300# - 350#, ending pressure 1450# - 1600#. Returns: 30 % coal, 70% shale. Coal - light fines to 1/8". Shale 0 to medium fines to 1/8". TIH, tag @ 2890'. CO well from 2890' to 3014' w/ 2700 cfm, 10-12 bph mist sweeps. Dry well, POOH to shoe. Surge well natural 2 times, 2 w/ 3 hr build. Final pressure 160#, 160#, light returns: coal 95%, shale 5%. Coal: fines. Shale: fines

07-17-2001 Surge well-Natural 2 times, 1 w/ 3 hr build, final pressure 100#, 1 w/ 4 hr build, final pressure 160#, light to medium returns, coal 95%, shale 5%. Coal: fines. Shale: fines. Pitot test - 310 mcf initial. Declined w/ water build up. Surge well natural 1 time w/ 5 hr build, final pressures 170#, medium returns: coal 95%, shale 5% COAL: fines pieces. Shale: fines. TIH, tag 6' of fill. Scattered bridges. CO from 3005' to 3014'. Dry well. Surge well natural 2 times, 2 w/ 5 hr build, final Pressures 230#, 2nd @ 4 hrs w/ 160#, light returns: coal 95%, shale 5%. Coal: fines, shale: fines

07-18-2001 Surge well natural 1 time w/ 5 hr build, final pressure 210#, light returns: coal 95%, shale 5%. Coal: fines, shale: fines. Surge 7 times w/ 2700 cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure: 350#, ending pressure 1450# - 1550#. Returns: coal light to medium fines to 1/4". Shale light to medium fines to 1/4". TIH, scattered bridges, 6' fill. CO well from 3005' to 3014' w/ 1800 cfm, 10-12 bbls/hr msit (H2O & soap) 10 bbls H2O sweeps. Medium returns: coal 70%, shale 30%. Coal: coal in H2O dark gray, fines to 1/4" pieces. Shale: fines to 1/8" pieces. Surge 6 times w/ 2700 cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure: 350#, ending pressure 1450# - 1800#. Returns: coal light to medium fines to 1/4". Shale light to medium fines to 1/4"

07-19-2001 Surge well 15 times w/2700CFM, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure - 350#, ending pressure - 1500# -1700#. Returns: coal medium to heavy - fines to 1/4"

07-20-2001 Surge 11 times w/ 2700 cfm, 10-12 bbls/hr mist, 5-12 bbls H2O w/ rig pump. Starting pressure 300#, ending pressure 1450# - 1600#. Returns: coal medium fines to 1/4". Shale medium fines to 1/4". TIH, tag @ 2890'. CO well from 2850' to 2900' w/1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Heavy returns: coal 70%, shale 30%. Coal: coal in H2O dark gray, fines to 1/4" pieces. Shale: fines to 1/8"

07-21-2001 CO well from 2900' to 3014' w/ 1800CFM, 10-12 bbls/hr mist, 10 bbls H2O sweeps. Dry well, flow well, pitot test - 393 mcf

07-22-2001 Shut in for natural build, final pressure 180#. TIH, 9' fill. TOOH to csg shoe. Flow well natural. TIH, tag @ 2994'. CO well from 2994' to 305' w/ 1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Medium returns: coal 60%, shale 40%. Coal: coal in H2O dark gray, fines to 1/4" pieces. Shale: fines to 1/8". Dry well, TOOH to csg shoe. Surge well natural 1 time w/ 5 hr build. Final pressure 270#. Light returns: coal 95%, shale 5%. Coal: fines. Shale: fines

07-23-2001 Surge well natural 2 times, 1 w/ 5 hr build, final pressure 255#, light returns. Coal 95%, shale 5%. Coal: fines. Shale: fines. 2 w/ 5 hr build, final pressure 230#, light returns: coal 95%, shale 5%. Coal: fines. Shale: fines. TIH, tag @ 3000'. CO well from 2974' to 3014' w/ 1800 cfm, 10-12 bbls/hr mist (H2O & soap) 10 bbls H2O sweeps. Medium returns: coal 60%, shale 40%. Coal: coal in H2O dark gray, fines to 1/4" pieces. Shale: fines to 1/8". TOOH for liner. CO rams & RU to run liner. WO liner hanger

07-24-2001 Run 5 1/2" liner as follows: 1 F/S - 1.0', 6 Jts 5 1/2" 17# J-55 - 275.67', hanger - 4.75'. Total length liner 281.42'. TIH, tagged @ 3006'. Wash liner from 3005' to 3014" w/2700cfm, 10-12 bbls mist, 10 bbl H2O sweeps. Hang liner, bottom @ 3013'. RD power swivel, LD DP & DC's. RU to perforate at: 2884' - 2892', 2933' - 2945', 2991' - 3005', RD perforator. Run 94 jts & 2 pups jts 2-3/8" tbg w/ exp check @ 2971.97, F-Nipple @ 2963.36', land doughnut. ND BOP's, NU wellhead, pump ball through exp check. Rig down