

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 WELL

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

RECEIVED
070 FARMINGTON NM

15. Lease Designation and Serial No.
SF-078773

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 #147B

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

API Well No.
30-039-26960

3. Address and Telephone No.
PO BOX 3102 MS 25-1, TULSA, OK 74101 (918) 573-6254

10. Field and Pool, or Exploratory Area
BLANCO MESAVERDE/BASIN DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
9405' FNL & 2255' FEL, NW/4 NE/4 SEC 33-31N-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

TYPE OF ACTION

Notice of Intent
☒ Subsequent Report
Final Abandonment

Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
Other Drilling 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.)*

06-04-2004 Drill rat & mouse hole. Spud 14 3/4" surface hole @ 0100 hrs, 06/04/04. Drilling @ 125'.

06-05-2004 Drill 14 3/4" hole from 125' to 167', circulate & condition hole. Drill 14 3/4" hole from 167' to 300', circulate & condition hole. TOOH, LD 8" DC's. Run 7 jts 10 3/4", 40.5#, J-55, ST&C csg to 389', no float. Circulate & condition, RD csg crew, RU cementers. Cement as follows: 20 bbls FW pre-flush, cmt w/ 340 sxs (85.4 bbls) Type III cmt w/ 2% CaCl & .25 pps Cello Flake mixed @ 14.5 ppg, 1.41 YD. Displace w/ 24.5 bbls FW. Late pump pressure 100 psi. Circulate 40 bbls cmt to surface. RD cementers. Finish displacement @ 1554 hrs, WOC. Test BOPE to 1500 psi HI & 250 LO, test csg to 1500 psi for 30 min, all head OK.

06-06-2004 Test BOPE to 1500 psi HI & 250 LO, test csg to 1500 psi for 30 min, all held OK. PU bit #2 & TIH, tag cmt @ 237'. Drill 52' cmt & float equipment. Drill 9 1/4" hole from 300' to 342', TOOH, LD four 6 1/4" DC's & PU directional tools & BHA. Orient tools & test MM. TIH to 342'. Directionally drill (slide & rotate) from 342' to 699'.

06-07-2004 Directionally drill (slide & rotate) from 699' to 1458'.

Continue on Back

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

Signed Tracy Ross
Tracy Ross

Title Sr. Production Analyst

Date July 13, 2004

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

JUL 15 2004

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.

NMOC

06-08-2004 Directionally drill (slide & rotate) from 1458' to 2069'.

06-09-2004 Directionally drill (slide & rotate) from 2069' to 2502'. Work on #1 pump from 0030 hrs to 0500 hrs, drill w/ 287 GPM on #2 pump.

06-10-2004 Directionally drill (slide & rotate) from 2502' to 2790'. Circulate & condition, TOOH for bit #3. LD stabilizer & motor. PU clean motor, bit #3, orient directional tools. Rig repairs, WO mechanic to check torque converter.

06-11-2004 Down for rig repairs.

06-12-2004 TIH w/ bit #3, break circulation @ 1200', work tight hole from 1940' to 1960'. Wash & ream from 1940' to 2661'.

06-13-2004 Wash & ream from 2661' to 2790'. Directional drill (slide & rotate) from 2790' to 3070'. Circulate & condition hole @ 3070'. TOOH to inspect bit & motor, motor stalling.

06-14-2004 TOOH to inspect bit & motor, motor stalling. LD bit #3 & motor #2. PU motor #3 & bit #4, orientate directional tools. TIH, tag @ 1670', wash & ream from 1670' to 2100', TIH.

06-15-2004 TIH, down for rig repairs. Circulate w/ #1 pump, repair stand pipe. Directional drill (slide & rotate) from 3070' to 3280'.

06-16-2004 Directional drill (slide & rotate) from 3280' to 3777'

06-17-2004 Directional drill (slide & rotate) from 3777' to 3939'. Circulate & condition hole @ 3939'. TOOH & LD directional tools, TIH to 2250', break circulation @ 2250'. TIH, PU 3 jts DP, circulate & condition @ 3939'.

06-18-2004 Circulate & condition hole @ 3939'. LDDP & BHA. RU csg crew, change rams. Run 98 jts 7 7/8", 26.4#, J-55 & N-80 LT&C csg, wash to bottom, 5' fill, circulate & condition. PU landing jt & mandrel, RU cement head, circulate csg, RD csg crew, spot bulk cmt trucks, RU cementers. Land mandrel, csg shoe @ 3935'. RU BJ Svcs, cmt csg as follows: Pump 20 bbls FW spacer ahead. Lead: 925 sxs (348 bbls) Type III 65/35 POZ w/ 1% ChCl, .25% CelloFlake & 8% Bentonite @ 12.1 PPG, 2.11 yield. Tail: 100 sxs (8 bbls) Type III w/ .25% Cello Flake @ 14.5 ppg, 1.4 YD. Displaced w/ 183.4 bbls FW. Bumped plug @ 20:56 hrs w/ 1100 psi. 150 bbls cmt to surface. Late pumping pressure 900 psi, check float, held OK, RD cementers, WOC

06-19-2004 WOC, test csg, blinds & outer choke manifold valves to 250 psi low & 1500 psi high for 30 mins. Change out ring between mud cross & choke valves. Tested OK. PU & test air hammer. PU BHA, test run WLSS tool through BHA. PU 3 1/2" DP & rotating head rubber. Test pipe rams to low pressure 250 psi & 1500 psi high, all tested OK. Unload hole. PU 3 1/2" DP, unload hole. PU 3 1/2" DP, tag @ 3892', attempt to unload hole. TOOH to 3500', attempt to unload hole, drill string plugged, TOOH.

06-20-2004 TOOH, LD air hammer, bit sub. Plugged w/ cmt, clean out bit sub & air hammer. PU tricone 6 3/4" bit, TIH, unload hole @ 3830', wash to 3892'. Drill cmt & float equipment, dry hole up. Drilling 6 3/4" hole from 3939' to 3994'. Circulate & condition, hole dusting, TOOH for air hammer, replace geograph line, replace jt in blooie line. TIH w/ air hammer, blow hole to dusting. Hammer drilling 6 3/4" hole from 3994' to 4525'. Running WL survey @ 4480'.

06-21-2004 Hammer drilling 6 3/4" hole from 4525' to 6297'.

06-22-2004 Hammer drilling 6 3/4" hole from 6297' to 6545', blow hole, TOOH 44 stds to 7 3/8" intermediate csg. TIH, hammer drilling 6 3/4" hole from 6545' to 7877'

06-23-2004 Hammer drilling 6 3/4" hole from 7877' to 8271', blow well, LDDP & BHA. Change out rams to 5 1/2". RU csg crew. Pitot test - 2# or 869 mcf/d. RIH w/ 5 1/2" csg/ Q = 869 mcf/d.

06-24-2004 Run 5 1/2" csg, tag @ 6982'. Gas & wtr blowing out of 5 1/2" csg. Work tight hole, LD 3 jts 5 1/2" csg. RU & attempt to break circulation w/ air, csg @ 6848'. Returns: 10% gas & air. RU mud pumps & lines. Attempt to run 1 jt 5 1/2" csg, well blowing, unable to make up jt. Clean pits, repair hole in pits, fill pits with wtr. Well blowing. Pitot test in 2" union on top of 5 1/2" - 6#. Mix mud, shut in 5 1/2" csg, initial SI pressure - 60#. Final pressure 525#. Bleed down pressure on 5 1/2" csg. Pump 260 bbls mud, work stuck csg, no circulation. Mix mud, build volume, pump 260 bbls mud, work stuck csg, no circulation. Mix mud, build volume, pump 260 bbls mud, work stuck csg, no circulation.

06-25-2004 Fill pits, mix mud, RU wire line truck, set bridge plug @ 6200'. Pressure test bridge plug to 1500#, held OK. Perf 5 1/2" csg from 6150' to 6152', 4 spf. Pump 10 bbls, no pressure. RD wire line truck, RU cementers, cmt csg as follows: pump 10 bbls FW spacer ahead. Lead: 200 sxs (430 cu. ft.) Prem Lite HS FM w/ 1% FL-52, .2% CD-32, 3 #/sxs CSE, 1/4 #/sxs Cello Flake @ 12.3 ppg, 2.15 YD. Displace w/ 138.7 bbls FW. Final pressure 780#, left 780# SI. 3.4 bbls mud & gas to surface, WOC.

06-26-2004 Lift BOP, set slips, cmt sample green, WOC before cut off. WOC 3 hrs. LEL - 0% gas, cut off 5 1/2" csg, NU BOP, test csg, blinds & outer choke manifold valves to 250 psi lo & 1500 psi high for 30 min, all tested OK. PU 4 3/4" bit, BHA & 2 1/8" DP, tag @ 5916'. PU & torque Kelly, X/O saver sub. Break circulation, mix & condition mud.

06-27-2004 Break circulation, circulate & condition mud. Drill plug & cmt from 5916' to 6250'. PU 2 3/8" DP, tag @ 603'. Drill float collar & shoe, circulate @ 6828', mud gas cut, circulate out. Wash & ream from 6828' to 7210'.

06-28-2004 Wash & ream from 7210' to 7278', circulate & condition, build volume. Wash & ream from 7278' to 7815'. Drilled solid bridge from 7660' to 7685', lost 40 bbls @ 7815', regained circulation, well flowing. Circulate & condition mud, mix LCM, check for flow @ 2100 hrs, well flowing. Wash & ream from 7815' to 7846', well flowing. Circulate & condition mud, check for flow, no flow. Wash & ream from 7846' to 7875', check for flow, well flowing. Circulate & condition mud, check for flow, no flow. Wash & ream from 7878' to 7909', check for flow, well flowing.

06-29-2004 Circulate & condition, build volume. Wash & ream from 8005' to 8005', check for flow, well flowing. Circulate & condition, build volume, well kicking, check for flow every hour, no flow @ 1700 hrs. Wash & ream from 8005' to 8036', 1450#. Circulate & condition, check for flow, no flow. Wash & ream from 8036' to 8068', 1450#. Circulate & condition, check for flow, no flow. Wash & ream from 8068' to 8099', 1450#. Circulate & condition, well kicking, check for flow every hr, no flow @ 0000 hrs. Wash & ream from 8099' to 8225', 1450#. Drilled bridge @ 8219', well kicking. Circulate & condition, well kicking, check for flow every hr.

06-30-2004 Circulate & condition, well kicking, check for flow every hour. Wash & ream from 8225' to 8256', 1450#, well kicking. Circulate & condition, well kicking, check for flow every hr. Wash & ream from 8256' to 8271', 1450#, well kicking. Circulate & condition, raise MW, well kicking, check for flow every hr, well flowing @ 42 GPM w/ 10.1 ppg. SWI, SIDP 225#, SICP 160#. Circulate & condition, raise MW to 10.6 ppg in 10.3 ppg out. Lost 300 bbls mud, SWI to build volume. @ 0600 hrs, SIDP 0#, SICP 0#.

07-01-2004 Well SI to build volume. Circulate & condition, mud weight 10.8 ppg in and 10.4 ppg out. Lost 100 bbls mud, check for flow, flowing 25 gpm, SWI to build LCM pill. Build volume & mix LCM pill, 10.9 ppg, 55 vis, pump pill. TOOH 25 stds, bit @ 6708', circulating through fill up line, no flow. Circulate on backside. Break circulation through drill string, 56 gpm, 700 psi, lost 50 bbls to seepage from 2015 hrs to 2215 hrs. Gas to surface increased. 2215 hrs lost 50 bbls. Check for flow, well flowing @ 21 gpm. SWI, build volume & condition mud. @ 0500 hrs, mud 10.8 ppg, 60 vis, LCM 9 ppb, manifold 0#, SIDP 0#. Circulate on backside, break circulation through drill string, 56 gpm, 700 psi, circulate & condition.

07-02-2004 Circulate through drill string, 56 GPM, 700 psi. Lost 125 blots seepage from 0600 hrs to 1330 hrs, gas to surface increased. Check for flow, well flowing @ 5 GPM, SWI. Build volume & mix LCM pill. LCM pill - 11.0 ppg, 55 vis, 9 PPB LCM. Manifold 0#, DP 0#. TIH, tag @ 8269'. Pump LCM pill, no circulation or gas while pumping pill 750-800 psi standpipe pressure. TOOH.

07-03-2004 TOOH, fill annulus, check for flow/loss, no flow, no loss. TOOH from 6708' to 6079'. Hard SI, mix & condition drilling fluid, monitor DP & annular pressure, no pressure gains. Open well & check for flow, no flow, circulate drill string, no returns. TOOH from 6079' to 4034', pulled slowly. Hard SI, mix/condition drilling fluid, monitor DP & annular pressure, no gains. Open well & check for flow, no flow, circulate drill string w/ no returns.

07-04-2004 Monitor well, pump down drill string @ slow rate, no returns. Hard SI, monitor well, mix & condition drilling fluid. TOOH slowly from 4034' to 1514', filling hole & checking for flow. Hard SI, mix & condition drilling fluid, monitor DP & annular pressure, no gain. TOOH slowly from 1514' to surface. Change rams, RU csg crew, hold safety meeting. Run 48 jts 3 1/2" csg & liner hanger. TIH w/ liner & 2 7/8" DP, break circulation @ 1560', 2428', 3110', 3866' & 4616', shaking out LCM.

07-05-2004 TIH w/ 3 1/2" liner & wash to bottom, no fill, no circulation. Hang liner & RU BJ Services. Top of liner @ 6710', total length of liner 1561'. Overlap 118' in 5 1/2" csg. Cmt csg as follows: 10 bbls CaCl2, 10 bbls H2O spacer. 2 bbls flow guard-L @ 8.5 ppg. Scavenger 50 sxs (115 cu. ft.), 44 bbls, 12.0 ppg, 2.29 YLD. 385 sxs (828 cu. ft.) Prem Lite HS, 147.22 bbls, 12.3 ppg, 2.15 YLD. Displace w/ 43.4 bbls FW. Bumped plug @ 12.56 hrs w/ 1550 psi, check float, held OK, pack off. Circulate 0 bbls excess cmt to surface, RD cementers. LD DP & DC's. ND BOPE.

07-06-2004 NUWH, released rig @ 1200 hrs.