

In Lieu of
Form 3160
(June 1990)

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

5. Lease Designation and Serial No.
SF-078764

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
ROSA UNIT #231A

9. API Well No.
30-039-27427

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)
895' FSL & 170' FEL, NE/4 SE/4 SEC 31-31N-05W

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 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.)*

06-25-2003 MOL & RU. Spud 12-1/4" surface hole @ 1800 hrs, 6/24/03. Drill to 322', circulate, drop survey, TOOH, run csg.

06-26-2003 Run 7 jts 9-5/8", 36#, J-55, ST&C csg, landed @ 314'. Notched collar on bottom and centralizers on bottom 3 jts. RU BJ Services & cmt as follows: preceded cmt w/ 10 bbls fresh water. Cmt w/ 165 sxs (233 cu. ft.) of Type III w/ 1/4 #/sx celloflake & 2% CaCl2. Displace cmt w/ 21.7 bbls of water. Plug down @ 0700 hrs, 06/25/03. Circulated 15 bbls of good cmt to surface. SI leaving 70# on csg. WOC. Install WH & NU BOP & related surface equipment. Pressure test BOP, csg & related equip to 250 psi low & 1500 psi high, held OK for 15 min.

06-27-2003 Drilling & survey from 1440' to 2865'.

06-28-2003 Drilling from 2865' to 3110'. Circulate & survey at TD, TOOH. RU casing tools & load out casing onto racks. Run 74 jts 7", 20#, J-55, ST&C csg & land at 3108', insert float at 3064'. Install casing mandrel & hang casing in well head. RU BJ Services & hold safety meeting. Preceded cmt w/ 10 bbls fresh water. Cmt w/ 340 sx (711 cu. ft.) of 65/35 Type III/POZ w/ 8% gel, 1% CaCl2 & 1/4 #/sx celloflake. Tailed w/ 50 sxs (70 cu. ft.) Type III w/ 1% CaCl2 & 1/4 #/sx celloflake. Displaced w/ 123.5 bbls of water. Plug down @ 2015 hrs, 6/27/03. Circulated out 2 bbls cmt to surface. Pressure test csg, float held OK. RD rig & ready equipment for move.

Continue on Back

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

Signed Tracy Ross
Tracy Ross

Title Production Analyst

Date September 15, 2003

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

SEP 23 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

08-07-2003 Spot in & RU unit on well. NU BOP & blooie lines. RU floor and manual tongs & slips. SDON

08-08-2003 MU 6 1/4" bit, BS and 8 3/4" DC's, PU and RIH with DP strapping in hole, tag cmt at 3033'. PU power swivel and break circ, tighten swivel packing, swivel still leaking. Drill cmt, plug and shoe 3033' to 3111', lay power swivel on floor to repack swivel and SWI, SDON.

08-09-2003 RU geograph & mud loggers, PU swivel & 1 jt, prepare to drill. Drill 6 1/4" hole 3111' to 3180', change out striping head rubber. Circulate bottoms up for samples and circulate clean. PUH into csg, SWI, SDON.

08-10-2003 Swivel in hole to 3180' and break circulation. Drilling new 6 1/4" hole from 3180' to 3384' with produced water. Circulate samples and circulate and condition for logs. Swivel out of hole w/ 9 jts, hang swivel and TOOH for logs. RU Halliburton and log open hole, drillers TD @ 3384', loggers TD @ 3384'.

08-11-2003 Finish logging open hole with Halliburton, RD Halliburton and SWI. Travel to location, hold safety meeting. NU stripping head. MU Baker underreamer and bit on BHA & TIH to 3118'. Open underreamer and underream 6 1/4" hole to 9 1/2" from 3118' to 3310'. Circulate hole clean. LD 9 singles w/ swivel, RD 3.5 swivel and TOOH, LD tools. Secure well & SWI for build up.

08-12-2003 SICP = 600#. Blow well down on 2" to pit. TIH w/ bit, BS, 8 3/4" DC's, XO and 2-7/8" DP to bottom of csg. PU power swivel and swivel in hole, tag at 3301'. Unload well to pit with air/mist. Blow well dry and swivel out of hole 9 jts to bottom of csg. SWI & surge well natural, 350# in 3 hrs. Surge well, recovered only gas. Turn well over to night crew, surge well with air/mist at 600#, 700# & 900#, recovering gas & wtr. Top tool jt below swivel started to leak, started natural surges, 360# in 2.5 hrs.

08-13-2003 Cavitate well natural at shoe to 360#, recover gas. Shut well in for build up. Travel to location, hold safety meeting. SICP = 500#. Surge well and let blow down. Swivel in hole 9 jts to 3301', no fill. Swivel out of hole to bottom of csg, hang swivel and TOOH. RU to surge out of hole, SWI for natural, 325# in 2 hrs, surged well, all gas. Surge well out of hole w/ a/m, 1000# & 1450#, started to pump in at 1450#, recovered wtr & gas, no coal. Turn well over to night crew, surge well with air/mist to 1450#, 1450# & 1200#, pipe rams and XO sub on bottom of swivel started leaking, recovered air/wtr & gas, SWI for natural surge.

08-14-2003 Surge well natural out of hole, recovered only gas, surge pressure 260#. SWI for build up. Travel to location, hold safety meeting. SICP = 300#, remove top set of 2-7/8" pipe rams. TIH to bottom of csg. Install new rubbers on 2-7/8" ram blocks & install ram blocks in top BOP. WO new XO sub for power swivel. Tie back on 4 lines, PU swivel & change out XO sub on same. Swivel in hole & tag at 3256', CO coal to 3267', recovered 1/4" and smaller coal & blk water, base of coal at 3265'. Blow well clean & swivel out of hole to bottom of csg. Surge well with air/mist to 1100#, recovered small amount of wtr & coal fines. Turn well over to night crew, surge well 3 times to 1200# with air/mist, recovered coal fines and water.

08-15-2003 Cavitate well to 1200# with air/mist at shoe, recover light coal & small amount of black water. SWI for build up. Travel to location, hold safety meeting. SICP = 500#, surge well at shoe to 1200#, recovering trace of coal & black water. Turn well over to night crew, continue to surge to 1200# at shoe, started getting 1/8" coal & coal fines and small amount of black water at 1730 hrs.

08-16-2003 Surge well to 1200# at shoe, recover 1/8" & smaller coal, coal fines & black water. SWI for build up. Travel to location, hold safety meeting. SICP = 500#, surge well-recover all gas. Swivel in hole, tag fill @ 3116'. Clean out coal-1" to 1/8", coal fines and black water from 3116' to 3267'. Blow clean and swivel out of hole to csg shoe, shut & lock top pipe rams. Flow well to pit, flowing small amount of black water. Surge well natural at shoe, pressure building to 650 and 700# in 2.5 hrs, recovering lite coal & black water.

08-17-2003 Surge well natural @ shoe, pressure building to 650 and 700# in 2.5 hrs, recovering lite coal and black water. SWI for build up. Travel to location, hold safety meeting. SICP = 750#, surge well, recover coal dust. Swivel in hole & tag @ 3234', unload well. CO from 3234' to 3267', recovered 1" and smaller coal, hvy coal fines and black water. Blow well dry and swivel out of hole to bottom of csg. Open well down blooie line and blow well down. Natural surge from csg shoe at 750#, recovered coal dust. Tried to shut well in for surge, secondary HCR and manual valve would not close completely, tried pumping through with heavy mist and air, could not unplug, let well flare out primary blooie line and evaporate pit water.

08-18-2003 Flare well & evaporate pit. Travel to location, hold safety meeting. Surge well to 750# at shoe natural, ND secondary HCR, cont to surge well to 750#, recover coal fines, coal dust and black water. NU new HCR valve on secondary blooie line. Surge well natural at shoe to 750#, pressure breaking over in 1 1/2 to 2 hrs, recovering 1/2" coal and smaller, coal fines and black water. Turn well over to night crew, cont to surge well to 750#, pressure started building faster, recovering 1/2" and smaller coal, coal fines and black water.

08-19-2003 Surge well natural at shoe to 600#, recover small amount of black water and coal dust. SWI for build up. Travel to location, hold safety meeting. SICP 650#, surge well and ND primary blooie line to check HCR, HCR washed out, shut manual valve. Swivel in hole, tag coal at 3116', clean out coal to 3267', change out HCR valves, blow well dry. Surge well natural at shoe at 650#, recovered coal dust and black water.

08-20-2003 SWI for natural surge, 3 hr SI = 450 psi, gas only on ret's, flow well natural 1 hr, SWI for natural build. Travel to location, hold safety meeting. 4 hr. SI = 425 psi, surge well, gas only on ret's, start rig. TIH, tongs broke. Swap out tongs, continue TIH. RD tongs, PU power swivel. Establish circulation w/ 10 bph mist. Work through bad spot @ 3108', CO to 3206', got stuck, pressure annulus, pulled up to 3175', release pressure on annulus, put air mist down DP, started unloading hvy coal & shale. Circulate till ret's slow down. Make connection @ 3206', continue to CO to 3238', slowly lost circulation, formation running coal & shale, got stuck, slack off 10k, pressure annulus, got weight back. LD 7 jts, pull 8th jt all the way up, bit @ 3020', open HCR & bleed pressure off annulus, circulate csg clean, release rig crew. Turn over to night crew, flow well natural

08-21-2003 Surge well natural at shoe to 700#, recovering coal fines, coal dust & black water. SWI for build up. Travel to location, hold safety meeting. SICP 750#, surged well with 750#, recovered fine coal, coal dust and small amount of water. Hang swivel and RU to TOOH. TOOH with DP & DC's and PU swivel & RU to surge out of hole. Surge well out of hole to 700#, recovering 1/4" and smaller coal, coal fines & moderate amount of black water. Turn well over to night crew, continue to surge well natural at shoe to 700#, recovering 1/2" and 1/4" and smaller coal, coal fines and moderate amount of black water.

08-22-2003 Surge well natural out of hole to 700#, recovering 1/2" & smaller coal, moderate coal & moderate water. SWI for build up. Travel to location, hold safety meeting. SICP 700#. Surge well out of hole natural to 690#, recovering 1/2" and smaller coal, coal fines & moderate water, size of coal increased to 1 1/2" coal and smaller with coal fines and moderate water. Turn well over to night crew, continue to surge well natural out of hole to 690#, heavy coal returns 1 1/2" and smaller & coal fines and moderate wtr, coal reduced to light coal, 1/4" and smaller & moderate wtr.

08-23-2003 Surge well natural out of hole to 690# to 700#, recovering moderate coal, ¼" & smaller & 5-6 bbls water. SWI for build up. Travel to location, hold safety meeting. SICP 700#. Surge well out of hole, recovered 1" & smaller coal, moderate water, 5-6 bbls, surge pressure dropped to 690# in 2 hrs, recovered ½" & smaller coal & moderate water. Turn well over to night crew, continue to surge well out of hole, recovering ½" and smaller coal, moderate water.

08-24-2003 Surge well natural out of hole to 690#, recovering ¼" & smaller coal & moderate water. SWI for build up. Travel to location, hold safety meeting. SICP 700#. Surge well, recovered ¼" & smaller coal & moderate water. Hand swivel and prep to TIH. TIH to shoe & PU swivel. Start CO @ shoe, PU 2 jts & bit started dragging, worked pipe & swiveled out of hole 3 jts, worked bit free. CO well from 3111' to 3260', head heavy coal returns from 3203' to 3260', bottom of coal at 3266'. Swivel out of hole with bit to shoe & RU to surge. Turn well over to night crew, surge well natural to 650# in 2 hrs, recovered small amount of ¼" and smaller coal & moderate water.

08-25-2003 Surge well at shoe with naturals to 650#, recovering coal fines & moderate water. SWI for build up. Travel to location, hold safety meeting. SICP 700#. Surge well natural at 700# at shoe, recovered coal dust. Swivel in hole, tag at 3251', unload hole. Clean out OH from 3251' to 3266' with air/mist and sweeps, recovering heavy coal, circulate clean @ 3266'. Blow well dry. Swivel out of hole to shoe. Flow test well, pitot tube reading stabilized at 13# at 2.237 mmcf. RU well to surge natural at shoe, SWI for surge. Surge well natural at shoe to 675# in 2 hrs, recover coal fines with occasional ¼" and smaller coal, light coal & light water.

08-26-2003 Surge well natural at shoe to 675# in 2 hrs, recover coal fines with occasional ¼" and smaller coal, light coal & lite water. SWI for build up. Travel to location, hold safety meeting. SICP 600#. Surge well natural at shoe to 650-670#, recover light coal & light water. Hang swivel and prepare to TOOH. TOOH with bit. PU swivel & RU to surge out of hole. Turn well over to night crew & surge well natural out of hole to 650# in 2 hrs, recovered light to moderate coal & light water.

08-27-2003 Surge well natural out of hole to 650#, recovered ¼" & smaller light coal & wtr. SWI for build up. Travel to location, hold safety meeting. SICP 650#. Surge well natural out of hole to 650#, recovering ¼" & smaller light coal & light wtr. Surge well with air/mist to 700#, started pumping into formation, recovered light coal, ¼" and smaller & light wtr. Turn well over to night crew, surge well natural out of hole to 660# in 1.5 hrs, recovering light coal, ¼" and smaller & light water.

08-28-2003 Surge well out of hole to 660#, recovered light coal, ¼" and smaller and light water. SWI for build up. Rode crew to location. SM and check SICP-650#. Surge well out of hole at 650#, recovered light coal, ¼" and smaller and light water. Hang swivel and RU to TIH. Make up bit on DC's and TIH to shoe. PU swivel and swivel in hole, tag at 3240', RU air and unload hole, well making heavy coal. Clean out OH 3240-3297, heavy coal returns, circ clean with air/mist and sweeps. Blow well dry. Swivel out of hole to shoe, shut pipe rams and lock, open well down blooie line and flare gas. Turn over to night crew, flare gas and evaporate pit water

08-29-2003 Flare well & evaporate pit water. Travel to location, hold safety meeting, and service rig. Swivel in hole, tag @ 3263'. CO from 3263' to 3297' with air/mist and sweeps, circulate well clean at 3297'. Blow well dry, swivel out of hole to shoe. Flow well on 2" for pitot tube, started @ 27 ½# and stabilized at 29# at 3.6 mmcf. Lock rams, open well on blooie lines and flare gas & evaporate pit. Turn well over to night crew, flare well and evaporate pit. Q = 3.6 mmcf

08-30-2003 Flare well & evaporate pit water. Travel to location, hold safety meeting, service rig. Swivel in hole, tag @ 3272'. Swivel out of hole & hang swivel. TOOH w/ 2-7/8" DP. LD DC's & subs. RU SJ Csg crew. MU TIW JGS liner hanger & setting tool on 2-7/8" jt of DP, RIH w/ float shoe, 5 jts csg & MU hanger/setting tool. Install stripping head rubber & RD csg crew. TIH w/ liner on DP to shoe. Swivel in hole with liner, tag @ 3265'. Wash 5 ½" liner in hole to 3280'. Hang liner & try to release setting tool, would not release, kept working tool to release setting tool, tool released, liner landed with bottom of liner @ 3278', TOL @ 3046', ran liner as follows top to bottom: TIW 5 ½" X 7" JGS liner hanger, 5 jts 5 ½" csg. TIW guide/float shoe. Hang swivel and POOH, LD 2-7/8" DP. Break out TIW setting tool and load out same, shut blind rams and lock & turn well to blooie line to flare overnight. Turn well over to night crew, light flare & flare gas overnight & evaporate pit.

08-31-2003 Kill flare & let cool. ND stripping head & NU lubricator flange. Perforate Fruitland Coal with Computalog at the following depths: 3138' - 40', 3155' - 57', 3215' - 31' & 3234'-56' w/ 4 spf w/ 3 1/8" csg guns for 168 holes. PU & RIH w/ 2-7/8" mule shoe expendable check, 1 jt 2-7/8" tbg, SN and 101 jts 2-7/8" tbg, tagged at 3277', LD 2 jts. Install hanger & land tbg at 3252', SN @ 3219', 99 jts 2-7/8" tbg, SN, 1 jt 2-7/8" tbg & expendable check. ND BOP & NU tree, test to 3000#, RU Red Man and pump out expendable check. RD rig & equipment, release rig @ 1900 hrs.