

In Lieu of  
Form 3160  
(June 1990)

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

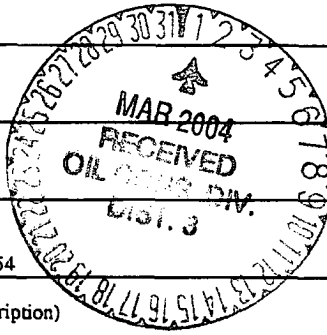
SUBMIT IN TRIPLICATE

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)  
1425' FSL & 50' FWL, NW/4 SW/4 SEC 25-31N-06W



5. Lease Designation and Serial No.  
SF-078766

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
ROSA UNIT #160B

9. API Well No.  
30-039-26962

10. Field and Pool, or Exploratory Area  
BLANCO MV/BASIN DK

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 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.)\*

09-11-2003 MIRU, NDWH, NU BOP's, swing & blooie line. Tally in w/ 4 3/4" bit & 40 jts 2-3/8" yellow band, SDFN

09-12-2003 Tally & continue in w/ 4 3/4" bit & 257 jts 2-3/8" tbg, tag @ 7990'. Finish RU blooie line, flowback manifold, pump & pit, SD for weekend. Note: TOC for 7-7/8" is 555', TOC for 5 1/2" is 7990'. 2148' by CBL, per Tracy Ross 2/26/04

09-15-2003 RU BJ, attempt to circulate, pipe rams leaking, change rams. Load csg w/ 180 bbls KCl, circulate clean. PU & set 5 1/2" completion pkr @ 30'. Pressure test csg to 6000 psi & held, rel pkr & LD same. Spot 250 gals 15% HCl acid across DK, EOT @ 7960', RD BJS. TOOH w/ bit. RU Black Warrior, perforate DK bottoms up in acid w/ 3 1/8" SFG, 0.33" dia., 26" pent & 12 grm chgs @ 7856', 58', 60', 62', 64', 66', 70', 75', 7902', 04', 06', 08', 10', 14', 19', 24', 29', 39', 43', 50' & 54', all shots fired (21 total) RD BWWC. ND stripper head & mud cross, RD rig floor, SDFN.

Continue on Back

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

Signed Tracy Ross  
Tracy Ross

Title Production Analyst

Date October 2003 **ACCEPTED FOR RECORD**

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**FEB 26 2004**

**FARMINGTON FIELD OFFICE**  
BY dep

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**

09-16-2003 RU Stinger, RU BJ. Pressure test lines to 700 psi & held. Break down DK @ 3150 psi, establish injection rate of 17 bpm @ 2416 psi, ISIP = 1750 psi. Acidize DK w/ 500 gals 15% HCl acid & 40 bio balls, good action, close ball off @ 5600 psi. Wait on bio balls to dissolve, cool N2 pumps. Frac DK w/4500 lbs 100 mesh ahead & 93,660 lbs 20/40 SB Excel Resin coated resin coated sand @ 1, 1.5, 2 & 3 ppg sand, carried in a Spectra Frac 3000 60Q N2 foam, stayed on 3# & cut short, total FW = 720 bbls, total N2 = 1328 mscf, MTP = 5931 psi, ATP = 5310 psi, MIR = 36 bpm, AIR = 35 bpm, ISIP = 5430 psi, 5 min = 4968 psi, 10 min = 4729 psi, 15 min = 4582 psi. RD BJ, bleed well down to 3400 psi, RD Stinger. Flow back frac on 1/8" choke, starting pres @ 3400 psi, ending @ 2880 psi, turn over to flow back hand. Flowback on 1/8" choke, ret's broken gel & trace sand, start pres 2880 psi, ending pres @ 1120 psi.

09-17-2003 Flowback on 1/8" choke, ret's broken gel & trace to lt sand, start pressure @ 1120 psi, ending pressure @ 450 psi.

09-18-2003 Flowback on 1/8" choke, ret's broken gel & trace sand, start pressure @ 450 psi, ending pressure @ 300 psi. Flowback on 1/4" choke, ret's broken gel, N2 & gas, starting pressure @ 300 psi, ending @ 400 psi. Flowback on 1/2" choke, ret's slugs of broken gel & gas, starting pressure @ 400 psi, ending @ 350 psi.

09-19-2003 RU Black Warrior WI, wl set 5 1/2" cibp @ 6015'. ND lube head, NU stripper head, RU rig floor. TIH open ended to CIBP. RU BJ, loal csg w/130 bbls fw, circ clean, pres test csg & CIBP to 3600 psi & held. LD 2 jts, EOT @ 5950', spot 500 gals 15% hcl acid across Pt.Lo. TOOH w/tbg. Attempt to perforate, circuit problem in WL truck. RD rig floor, ND stripper head, NU frac Y, SDFN.

09-20-2003 Perforate Pt.Lo top down in acid w/3 1/8" SFG, .33" dia, 26" pen & 12 grm chgs @ 5643', 47', 50', 54', 60', 64', 67', 70', 86', 88', 92', 98', 5703', 07', 13', 19', 24', 32', 40', 45', 56', 62', 67', 78', 83', 5805', 12', 22', 47', 65', 82', 93', 5913', 26' & 45', all shots fired (35 total). RU BJ, hold safety mtg, pres test lines to 4500 psi. Break down Pt.Lo @ 715 psi, est inj rate of 38 bpm @ 1030 psi, ISIP = vac. Acdz Pt.Lo w/1000 gals 15% hcl acid & 55 balls, good action, close ball off @ 2800 psi. Recover 30 balls w/30 hits. Frac Pt.Lo w/80,600 lbs 20/40 AZ sand @ 1/2, 1, 1.5 & 2 ppg, carried in slickwater, total FW = 1860 bbls, total FRW = 40 gal, MIR = 110 BPM, AIR = 105 BPM, MTP = 3450 psi, ATP = 3350 psi. WL set 5 1/2" cibp @ 5625'. Pres test cibp to 3600 psi & held. Perforate CH/Men bttm up under 2000 psi, w/3 1/8" SFG, .33" dia, 26" pen & 12 grm chgs @ 5161', 64', 71', 79', 5207', 5348', 97', 5407', 28', 58', 64', 70', 80', 5503', 06', 16', 26', 34', 42', 50', 58', 62', 66', 68', 74', 78', 86', 92', 99', 5604' & 07', all shots fired (31 total). Breakdown CH/Men w/1000 gal 15% hcl acid & 55 balls, ball off @ 3500 psi. Recover 38 balls w/29 hits. Frac CH/Men w/80,000 lbs 20/40 AZ sand @ 1/2, 1, 1.5 & 2 ppg carried in slickwater, total FW = 1892 bbls, total FRW = 40 gal, MIR = 94 bpm, AIR = 90 bpm, MTP = 3500 psi, ATP = 3450 psi, ISIP = 202 psi, 5 min vac. RD BJ, ND frac Y, NU swing & stripper head. TIH w/ 4 3/4" mill & 160 jts 2 3/8" tbg to 4990', Ru air. Unload well w/air & 10 bbl slugs, RU Yellow dog, turn over to flowback, flow natural & evaporate pit.

09-21-2003 Well logged off, unload well w/air only from 4990'. Continue in w/mill, tag 39' of fill @ 5586', 4 perfs covered. RU power swivel, break circ w/7 bph a/s mist. CO from 5586' to 5625' w/10 bph a/s mist. Blow well from 5625' w/7 bph a/s mist, run four 6 bbl sweeps, ret's lt sand. Hang swivel back, LD 10 jts. TIH & tag CIBP, RU power swivel, unload & break circ w/14 bph a/s mist. Mill out CIBP @ 5625'. Let well unload, mill on & push bottom 1/2 of CIBP to 2nd CIBP @ 6015', sweep well. LD 10 jts, hang swivel back. PU bit to 4990', turn over to flowback, flow nat & evaporate pit.

09-22-2003 TIH & tag bridge plug @ 6015', no fill. RU power swivel, break circ w/ 7 bph a/s mist. Blow well from 6015', run 6 bbl sweep. Blow well w/ air only. Flow natural on 6" blooie line. Break circ w/14 bph a/s mist, mill out bttm 1/2 of 1st cibp, MO 2nd cibp @ 6015'. Mill on & push 2nd cibp to 6056' & quit making hole (spinning). LD 3 jts, hang swivel back. PU bit to 4990', turn over to flowback, flow natural & evaporate pit.

09-23-2003 TOOH w/ mill, break out same. TIH w/4 3/4" bit, tag CIBP @ 6056'. RU power swivel, break circ w/14 bph a/s mist. Drill on & start moving CIBP. Drill on & push bottom 1/2 of CIBP to 7943' & stack out. Attempt to CO to PBDT, clutch on rig over heating. Blow well from 7954', let clutch cool down. LD 4 jts, hang swivel back. PU bit to 4990', RU swivel, turn over to flow back, flow natural & evaporate pit.

09-24-2003 Check clutch out, change out stripper head. TIH & tag 1' of fill @ 7953'. RU power swivel, break circulation w/ 14 bph a/s mist. CO to float collar @ 8000', measured @ 7994'. Blow well from PBDT w/ 7 bph a/s mist, run for 5 bbl sweeps. LD 4 jts, RD yellow dog (housing on pump cracked) turn over to flowback, flow natural.

09-25-2003 Tag PBDT @ 7994', no fill. Unload well w/ air only, pump 5 bbl sweep. RD power swivel. TOOH, LD w/ 256 jts 2-3/8" yellow band tbg, break out bit. ND striper head & swing. NU lube head. RU Black Warrior, WL set 5 1/2" Model "B" Arrow Drill production packer @ 6038', RD BWWC. ND lube head, NU swing & stripper head, CO rams & elevators, tally top row. Tally, PU & TIH w/ long string. Tag, space out and land LS @ 7945' as follows: 1/2" mule shoe, 1 jt 2-1/16" J-55, 1J 10rd tbg, SN, 58 jts 2 1/16" tbg, SBA w/5 seals, 186 jts 2 1/16" tbg, 10' pup jt & 1 jt 2 1/16" tbg (246 jts total) landed in 10,000# compression, SDFN

09-26-2003 Blow well down, change rams, NU offset spool. Tally & PU 2-1/16", 3.25#, J55 tbg & TIH as follows: 5' perf sub, 1 jt tbg, SN, 183 jts. Land SS @ 5932', SN @ 5900'. ND BOP, NUWH & test to 300 psi, pump out plugs on SS & LD. Rig down equipment, release rig @ 1730 hrs, 9/26/03.