

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

5. Lease Designation and Serial No.  
SF-078893

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
ROSA UNIT

8. Well Name and No.  
ROSA UNIT #500

9. API Well No.  
30-039-26165

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

11. County or Parish, State  
RIO ARRIBA, NM

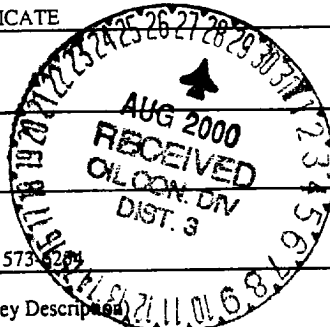
SUBMIT IN TRIPLICATE

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) 573-6224

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
990' FNL & 970' FWL, NW/4 NW/4 SEC 23-31N-4W



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

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	Abandonment
X Subsequent Report	Recompletion
Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	X Other <u>COMPLETION OPERATIONS</u>
	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.)\*

6-13-2000 Load out equip, road rig to loc. RU rig & spot equip. NDWH, NUBOP stack & HCRs. NU blooie lines, pres test BOP's to 2500 psi & held. Tally in w/ 4 3/4" bit, bs & 112 jts 2 7/8" DP, tag TOC @ 3523'. RU power swivel, break circ w/prod wtr. Pressure test csg to 2000 psi & held. DO cmt, float collar & shoe from 3523'- 3613' w/prod wtr @ 5 bpm. Drilling open hole from 3613'- 3666' w/8000# wob @ 80 rpm

6-14-2000 Drlg open hole from 3666'- 3704' (TD). Circ hole clean. TOOH w/bit. RU Halco, run Neutron log from 3704'- 3500'. CO BOPs. TIH w/4 3/4" x 8 5/8" underreamer. Unload hole w/air. Underream from 3616'- 3704', circ clean. TOOH w/underreamer. TIH w/bit

6-15-2000 TIH & tag 5' of fill & CO. Blow dry w/air only, PU bit to 3600'. Natural surge, 4 hr si = 43 psi. Surge f/3600' (3 times) w/2 bbls air/soap mist ahead @ 600, 800 & 1500 psi, ret's air mist. Surge f/3600' (5 times) w/air only @ 1800 psi, ret's air. Tag 5' of fill & CO. CO on bottom w/10 bph air/soap mist, ret's lite-trace coal. Blow dry & PU bit to 3600'. Surge f/3600' (2 times) w/air only @ 1800 psi, ret's air

6-16-2000 Surge f/3600' (10 times) w/air only @ 1800 psi, ret's air w/trace coal. Tag bridge @ 3670' & CO. CO on bottom w/15 bph a/s mist, ret's lite coal. Blow dry w/air only. TOOH w/bit, surge from surface (2 times) w/3 bbls air mist ahead, pressure to 1900 psi, take pressure to 2200 psi w/rig pump, lite ret's. SI for air breakover

Continued on reverse side

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

Signed Tracy Ross  
Tracy Ross

Title Production Analyst

Date August 2, 2000

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date AUG 2 2 2000

Conditions of approval, if any:

**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**

6-17-2000 Break over w/air only to 1940 psi, pump 55 bbls prod water, pressure went to 2200 psi & fell back to 1600 psi, pre to 1800 psi w/air, ret's heavy water w/fine coal. Natural surge, 4 hr si 510 psi, ret's gas mist. Surge from surface (4 times energized) w/2 bbls air mist ahead, air only to 1500 psi, pump 5 bbls prod water, take pres to 1800 psi w/air only, ret's lite fine coal. Natural surge, 2 hr si = 140 psi. Surge from surface (energized) to 1800 psi, ret's lite fine coal. Natural surge, 2 hr si = 140 psi, ret's gas mist. Energized surge to 1800 psi, ret's lite fine coal

6-18-2000 Break over w/air only to 1940 psi, pump 55 bbls prod water, pressure went to 2200 psi & fell back to 1600 psi, pre to 1800 psi w/air, ret's heavy water w/fine coal. Natural surge, 4 hr si 510 psi, ret's gas mist. Surge from surface (4 times energized) w/2 bbls air mist ahead, air only to 1500 psi, pump 5 bbls prod water, take pres to 1800 psi w/air only, ret's lite fine coal. Natural surge, 2 hr si = 140 psi. Surge from surface (energized) to 1800 psi, ret's lite fine coal. Natural surge, 2 hr si = 140 psi, ret's gas mist. Energized surge to 1800 psi, ret's lite fine coal

6-19-2000 CO on bottom w/15 bph air/soap mist & 5 bbl sweeps, ret's lite-med sharp bright coffee ground size coal & trace shale. Blow dry w/air only. TOO H w/bit. Gauge well on 1" line, all gauges dry & avg 62 mcf/d. Surge from surface (4 times) w/air only to 1800 psi, pump 40 bbls prod water, air only to 1800 psi, ret's lite. Q = 62 mcf/d

6-20-2000 Flow natural. Attempt air breakover @ 2000 psi, no break, ret's lt fine coal dust. Surge f/surface (2 times energized) to 2000 psi, lite ret's. Flow natural, well bridged off. TIH & tag bridge @ 3610'. CO from 3610'- 3704' w/15 bph a/s mist, ret's hvy fine coal. CO on bottom w/15 bph a/s mist & 5 bbl sweeps, ret's med-lite coffee ground size coal, blow dry. PU bit to 3696'. Surge (2 times) from 3696' to 1900 psi, ret's med-extra heavy fine to ½" size coal

6-21-2000 Surge f/3696' (5 times) w/5 bbls air/soap mist ahead, pres to 1400 psi w/air only, 10 bph a/s mist to 1900 psi, heavy ret's = fine to ½" size coal, CO to TD each surge. Blow dry w/air only. Flow natural w/10' to 12' high flare. TOO H w/bit. Gauge well on 1" open line, all gauges dry = 108 mcf/d. Natural surge, 4 hr si = 150 psi. Flow natural. SI for natural surge

6-22-2000 Natural surge, 4 hr si = 160 psi. Surge from surface (4 times energized) to 1800 psi, heavy-extra heavy ret's = fine to ½" size coal & med shale, bridge off on 4<sup>th</sup> surge. TIH & tag/CO bridges from 1572'- 1622' & 3336'- 3370'

6-23-2000 CO from 3370'- 3704' (TD) w/15 bph air/soap mist, ret's extra heavy coal & med shale. CO & work on open hole from 3681'- 3704', ret's extra heavy coal, bridge off & stick pipe. Work pipe free, PU bit to 3492', break circ w/10 bph air/soap mist. CO from 3492'- 3610' w/10 bph air/soap mist, heavy ret's

6-24-2000 CO f/3610'- 3704'(TD) w/10 bph air/soap mist, ret's heavy coal & shale. Start CO on bottom & hole fell in, PU bit to 3650'. Break circ w/10 bph air/soap mist, CO from 3650'- 3681', ret's heavy coal & shale

6-25-2000 CO from 3681'- 3704' w/16 bph air/soap mist, ret's heavy coal. CO on bottom w/16 bph a/s mist, ret's heavy fine to ¼" coal. Blow dry w/air only, PU bit to 3600'. Flow natural. Gauge well on 2" line, all gauges dry & avg 166 mcf/d. TIH & tag 8' of fill, CO to TD w/16 bph a/s mist, ret's heavy coal. CO on bottom, ret's heavy fine coal

6-26-2000 CO on bottom w/16 bph a/s mist. Blow dry w/air only. TOO H w/bit, attempt break over w/air only, pres to 1950 psi in 2.25 hrs, ret's extra heavy fine dry coal. Surge w/air only, pres to 1950 psi in 15 min (bridged off) ret's heavy fine dry coal. Flow natural. Break over w/air only @ 1940 psi in 2 hrs & 50 min, ret's med fine dry coal. Flow natural w/15' high flare. Natural surge, 4 hr si = 230 psi. SI for energized surge

6-27-2000 Surge f/surface (energized) w/air only to 400 psi, pump 5 bbls prod water & 1 gal soap, air only to 1200 psi, pump 5 bbls prod water, pressure to 1700 psi w/air only, ret's heavy coal & lite shale. Natural surge, 2 hr si = 100 psi, flow natural. Surge from surface (3 times energized) to 1700 psi, ret's heavy fine coal. Natural surge, 4 hr si = 145 psi, flow nat

6-28-2000 Surge from surface w/air only to 400 psi, pump 5 bbls prod water & 1 gal soap. Pressure to 1200 psi, pump 5 bbls water, pressure to 1600 psi w/air only, ret's lite-med fine coal & shale, bridge off. TIH & tag bridge/fill @ 3613'. RU power swivel, break circ w/15 bph air/soap mist. CO from 3613'- 3704' w/15 bph a/s mist, work on ratty open hole from 3650'- 3680', ret's heavy coal & shale. CO on bottom w/15 bph a/s mist, ret's heavy fine coal & med shale

6-29-2000 CO on bottom w/15 bph air/soap mist, med ret's = fine to coffee ground size coal (well didn't clean up). Blow dry w/air only. TOO H w/bit. Flow natural w/12' high flare. Gauge well on 1" line, all gauges dry = 135 mcf/d. Attempt break over w/air only, pressure to 1800 psi (3 hrs) no break, ret's med-heavy dry coal. Flow natural. Surge f/surface energized to 1800 psi, ret's heavy. Flow natural

6-30-2000 Flow natural. Natural surge, 2 hr si = 115 psi, flow nat. Surge f/surface (4 times energized) to 1200 psi, heavy ret's = fine coal & lite shale. Bridge off on 4<sup>th</sup> surge. Pump air & prod water to break bridge. Flow natural. Natural surge, 4 hr si = 250 psi, ret's lite fine coal. Flow natural

7-01-2000 Flow natural. natural surge, 4 hr si = 220 psi, ret's gas mist. Surge from surface energized to 1400 psi, ret's heavy fine coal, flow natural & bridge off. Surge w/air & prod water to break bridge, wouldn't break. TIH & tag/co bridges @ 45', 3244'- 3264', tag fill @ 3610'. CO f/3610'- 3633' w/15 bph air/soap mist, heavy ret's = 80% shale & 20% fine coal

7-02-2000 CO & work on ratty open hole from 3627'- 3650' w/10-15-20 bph air/soap mist , extra heavy ret's = 80% shale & 20% fine coal

7-03-2000 CO & work on ratty open hole from 3650'- 3690' w/20 bph air/soap mist, heavy ret's = 80% shale & 20% fine coal. CO from /3690'- 3704' (TD) w/20 bph air/soap mist, ret's heavy coal & lite shale, well loading up & sticking pipe, PU bit to 3670' & let unload, drop in to td & start over (numerous times)

7-04-2000 CO f/3704' (TD) w/20 bph air/soap mist, med-heavy ret's = 90% coffee ground size coal & 10% shale

7-05-2000 CO on bottom w/20 bph air/soap mist, med ret's = 90% coal & 10% shale. Blow dry & PU bit to 3600'. Flow natural. Gauge well on 1" line, all gauges dry =309 mcf. SI for natural build up, 2 hr si = 64 psi. Tag/CO bridge @ 3684', tag 3' of fill. CO on bottom w/20 bph air/soap mist, med ret's. Blow dry w/air only. TOOH w/bit. C/O to run liner

7-06-2000 MU hanger & shoe. TIH w/liner, tag 5' of fill @ 3699'. Wash liner down to 3704'. Set hanger @ 3522'. POOH laying down 2 7/8" DP. Tally in w/mill. Mill off plugs, blow dry. TOOH w/mill. TIH w/prod tbg, land in tbg hanger @ 3652' kb. NDBOPs & blooie lines, NUWH. Gauge well on 1" open line, all gauges dry & avg 108 mcf, logged off. Release rig @ 0600 hrs 7/6/00