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-078769

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
ROSA UNIT

1. Type of Well
Oil Well X Gas Well Other

8. Well Name and No.
ROSA UNIT #267

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-25012

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 573-6254

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1115' FSL & 1200' FWL, SW/4 SW/4, SEC 28 T31N R5W

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 | Abandonment | Change of Plans |
| X Subsequent Report | Recompletion | New Construction |
| Final Abandonment | Plugging Back | Non-Routine Fracturing |
| | Casing Repair | Water Shut-Off |
| | Altering Casing | Conversion to Injection |
| | X Other Cavitation | 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.)*

***10-14-1999*** MIRU service unit. Rig up choke manifold and lay choke lines. Blow well down. NDWH, NU BOP equipment. Lay blooie lines. Pressure test BOP equipment to 2000 psi with rig pump. Test OK. Pull tubing doughnut and prepare to pull tubing. TOOH with 2 3/8" production tubing. Lay down tubing and move off the racks. PU 10 4 ¾" drill collars and 3 ½" drill pipe and place on the racks. Tally drill collars and drill pipe. Prepare to pick up same

***10-15-1999*** Pick up liner retrieving tool and 3 ½" drill pipe. TIH to top of liner at 3179'. Latch onto liner hanger and work liner free. TOOH with liner, LD 5 joints of 5 ½" casing. Change out rams. Pick up a 6 ¼" bit, 10 - 4 ¾" drill collars and TIH. Tag at 3325'. Clean out from 3325' to 3381' with 1800 cfm air, 8 bph H2O mist and water sweeps, TOOH. PU under reamer, TIH

***10-16-1999*** Cont. TIH w/ under-reamer. PU swivel & under-ream hole to 9-1/2" from 3225-3381'. Circ hole clean. TOOH w/ under-reamer. TIH w/ 6-1/4" bit, DC's on 3-1/2" DP to 3225'. Clean hole from 3225 – 3381'. Dry hole @ 3381' w/ 1800 SCF/M air. PUH into csg shoe @ 3213'. Surge hole 5-times w/ air & 5-BPM mist @ 1500#

***10-17-1999*** Surge OH 17-times w/ air & 5-BPH mist @ 1500-1800#, recovering lite-heavy coal, beginning to bring back water and ¼ - ½" coal pieces

Continued on back

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

Signed Tracy Ross TRACY ROSS Title Production Analyst Date November 15, 1999

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

NOV 24 1999

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

FARMINGTON FIELD OFFICE

***10-18-1999*** Cavitate well. Surge 5 times with 1800 cfm air, 8 bph H2O mist. Pressure up to 1800 psi in 1 hr. Flow back for ½ hr. Had a 1" stream of water, medium amounts of coal fines and a 20' flare on flow back. TIH, tag bridge at 3290'. Clean out from 3290' to 3381' with 1800 cfm air, 8 bph H2O mist and water sweeps. Circulate up medium amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe. Flow test through a ¾" choke as follows: 15 min-17# = 420 mcfd, 30 min-18# = 435 mcfd, 45 min- 20# = 464 mcfd, 60 min-20# = 464 mcfd. Cavitate well. Surge 8 times with 1800 cfm air, 8 bph H2O mist. Pressure to 1800 psi in 1 hr. Flow back for ½ hr. Had a 1" stream of water, medium amounts of coal fines and a 20' flare on flow back

***10-19-1999*** Cavitate well. Surge 8 times with 1800 cfm air, 8 bph H2O mist. Pressure up to 1800 psi in 1 hr. Flow back for ½ hr. Had a 2" stream of water, light to heavy amounts of coal fines up to ½" in size and a 25' flare on flow back. TIH, tag bridge at 3195'. Clean out from 3195' to 3381' with 1800 cfm air, 8 bph H2O mist and water sweeps. Circulate up large amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe

***10-20-1999*** Flow test through a ¾" choke as follows: 15 min-25# = 536 mcfd, 30 min-35# = 681 mcfd, 45 min-35# = 681 mcfd, 60 min-35# = 681 mcfd. Cavitate well. Surge 3 times with 1800 cfm air, 8 bph H2O mist. Pressure up to 1800 psi in 1 hr. Flow back for ½ hr. Had a 2" stream of water, light amounts of coal fines and a 25' flare on flow back. TIH, tag bridge at 3195'. Clean out from 3195' to 3381' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole

***10-21-1999*** TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-35# = 681 mcfd, 30 min-50# = 899 mcfd, 45 min-50# = 899 mcfd, 60 min-50# = 899 mcfd. Cavitate well. Surge 6 times with 1800 cfm air, 8 bph H2O mist. Pressure up to 1800 psi in 1 hr. Flow back for ½ hr. Had a 2" stream of water, light to medium amounts of coal fines and a 20' flare on flow back. TIH, tag bridge at 3224'. Clean out from 3224' to 3381' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke

***10-22-1999*** Flow test through a ¾" choke as follows: 15 min-30# = 609 mcfd, 30 min-40# = 754 mcfd, 45 min-45# = 826 mcfd, 60 min-48# = 870 mcfd. Cavitate well. Surge 12 times with 1800 cfm air, 8 bph H2O mist. Pressure up to 1800 psi in 1 hr. Flow back for ½ hr. Had a 2" stream of water, very heavy amounts of coal fines and up to a 45' flare on flow back. Air compressors down due to lack of fuel. Do natural surges until fuel arrives

***10-23-1999*** Cavitate well. Surge 2 times with natural build up. Pressure up to 400 psi in 4 hrs. Flow back 1 hr. Had 1" stream of water, no coal and a 15' flare on flow back. TIH, tag bridge at 3295'. Clean out from 3295' to 3381' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test through a ¾" choke as follows: 15 min-25# = 536 mcfd, 30 min-35# = 681 mcfd, 45 min-40# = 754 mcfd, 60 min-45# = 826 mcfd

**10-24-1999** Cavitate well. Surge 5 times with natural build up. Pressure up to 1010 psi in 4 hrs. Flow back 1 hr. Had no water or coal on first two surges. Had Very heavy coal fines and heavy water on last three surges. Flare up to 50' on last surge

**10-25-1999** Cavitate well. Surge 2 times with natural build up. Pressure up to 1075 psi in 4 hrs. Flow back 1 hr. Had no water, light coal fines and a 10' to 20' flare. Maybe bridged off. TIH, tag bridge at 3224'. Clean out from 3224' to 3350' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines. Coals appear to be running

***10-26-1999*** Clean out from 3350' to 3381' with 1800 cfm air, 8 bph H2O mist and water/soap sweeps. Circulate up heavy amounts of coal fines with sweeps. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe. Flow test through a ¾" choke as follows: 15 min-40# = 754 mcfd, 30 min-47# = 855 mcfd, 45 min-50# = 899 mcfd, 60 min-50# = 899 mcfd. Cavitate well. Surge 2 times with natural build up. Pressure up to 1000 psi in 4 hrs. Flow back 1/2 hr. Had 30' flare, little water and coal fines up to ½" in size

***10-27-1999*** Cavitate well. Surge 5 times with natural build up. Pressure up to 1000 psi in 4 hrs. Flow back 1 hr. Had 30' to 40' flare, heavy water and coal fines up to ½" in size

***10-28-1999*** Cavitate well. Surge 1 time with natural build up. Pressure up to 1060 psi in 4 hrs. Flow back 1 hr. Had 30' to 40' flare, heavy water and coal fines up to ½" in size. TIH, tag bridge at 3245'. Clean out from 3245' to 3381' with 1800 cfm air, 5 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines. Coals appear to be running

**10-29-1999** Clean out from 3245' to 3381' with 1800 cfm air, 10 bph H2O/soap mist and water/soap sweeps. Circulate up large amounts of coal fines. Coals appear to be running at 3290'. After cleaning out to bottom hole gets very tight. Pull back up to 3245' and start over cleaning out to bottom

**10-30-1999** CO from 3245' to 3381' w/ 1800 cfm air, 10 bph wtr/soap mist and water/soap sweeps. Circulate up large amounts of coal fines. Coals appear to be running at 3290'. Circulate with 1800 cfm air to dry up the hole. TOOH to shoe

**10-31-1999** Flow test well through a ¾" choke as follows: 15 min-50# = 899 mcfd, 30 min-60# = 1044 mcfd, 45 min-60# = 1044 mcfd, 60 min-60# = 1044 mcfd. TIH, tag bridge at 3245'. Clean out from 3245' to 3381' with 1800 cfm air, 10 bph H2O/soap mist and water/soap sweeps. Circulate up large amounts of coal fines. Coals appear to be running at 3290'

**11-01-1999** Clean out from 3245' to 3381' with 1800 cfm air, 10 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TOOH to the shoe. Flow test well through a ¾" choke as follows: 15 min-45# = 826 mcfd, 30 min-55# = 971 mcfd, 45 min-65# = 1116 mcfd, 60 min-65# = 1116 mcfd. Flow well natural through both blooie lines

***11-02-1999*** Clean out from 3245' to 3381' with 1800 cfm air, 10 bph H2O mist and water/soap sweeps. Circulate up large amounts of coal fines. Running coals at 3280'-3290'. Every time we get cleaned out to bottom. Pull back up and have to start all over in this same spot

***11-03-1999*** Clean out from 3245' to 3381' with 1800 cfm air, 10 bph H2O/soap mist and water/soap sweeps. Circulate up large amounts of coal fines. Running coals at 3280'-3290'. Every time we get cleaned out to bottom. Hole fell in at 3290'. Stuck for 30 min. Pull back up and have to start all over in this same spot

***11-04-1999*** Clean out from 3245' to 3381' with 1800 cfm air, 15 bph H2O/soap mist and water/soap sweeps. Circulate up large amounts of coal fines. Running coals at 3280'-3290'. Every time we get cleaned out to bottom. Hole falls in at 3290'. Pull back up and have to start all over in this same spot. Slowly getting better. But only slightly better

***11-05-1999*** Clean out from 3245' to 3381' with 1800 cfm air, 15 bph H2O/soap mist and water/soap sweeps. Circulate up large amounts of coal fines. Circulate on bottom with 1800 cfm air, 10 bph H2O mist. TOOH to the shoe. Flow well through both blooie lines for ¾ hr. TIH, tag fill at 3372'. TOOH, LD drill collars. Change out rams in BOP for 5 1/5" casing. PU 5 joints 5 ½" casing and liner hanger. Install new rotating head rubber. TIH with liner, tag fill at 3372'. Wash and ream liner to bottom

***11-06-1999*** TIH w/ liner, tag fill at 3372'. Wash & ream liner down. Unable to get down past 3370' due to tight hole problems. Set liner at 3370'. Top of liner hanger at 3140'. Release from liner, TOOH. LD 3 ½" drill pipe. Change out pipe rams for 2 3/8" tubing. PU 4 ¾" mill and 2 3/8" tubing, TIH to 3235'. Wait on cross over sub for tubing to power swivel. Start to mill of perf plugs. Unable to drill down, TOOH with mill. Mill looked OK. Checked out liner setting tool and determined that part of the setting tool was down hole. Wait on super mill to mill out setting tool and perf plugs

***11-07-1999*** Wait on super mill to mill out setting tool and perf plugs. TIH with super mill and 2 3/8" tubing to 3235'. Mill on setting tool and mill out perf plugs from 3235' to 3365'. Circulate hole clean. Circulate up large amounts of coal fines up to 1" in diameter. TOOH with super mill. Pulled liner out with the mill. Lay down 5 joints of 5 ½" casing

***11-08-1999*** Lay down 5 joints of 5 ½" casing. Super mill stuck in bottom joint of casing. PU 6 ¼" bit, 10-4 ¾" drill collars and 3 ½" drill pipe. TIH to shoe at 2996'. PU power swivel and finish TIH. Tag bridge at 3042'. CO from 3042' to 3350' with 1800 cfm air, 8 bph mist and water sweeps. Circulate up large amounts of coal fines. Very sticky at 3320'. Cleaned out to 3350' twice. Had to pull back up to 3300' and start over at this point

***11-09-1999*** Clean out from 3042' to 3350' with 1800 cfm air, 8 bph mist and water sweeps. Circulate up large amounts of coal fines. Very sticky at 3320'. Cleaned out to 3350' twice. Had to pull back up to 3300' and start over at this point. TOOH to the shoe. Cavitate well. Surge 2 times with natural build up. Pressure to 880 psi in 4 hours. Flow back 1 hour. Had very heavy coal and water returns on flow back. Had a 40' flare. TIH, tag bridge at 3250'. Clean out from 3250' to 3320' with 1800 cfm air, 10 bph H2O/soap mist. Circulate up large amounts of coal fines

***11-10-1999*** Clean out from 3250' to 3381' with 1800 cfm air, 10 bph H2O/soap mist. Circulate up large amounts of coal fines. Circulate with 1800 cfm air to dry up the hole. TIH for liner. Change pipe rams for 5 ½" casing rams. PU liner hanger and prepare floor to PU casing. PU 5 joints of 5 ½" casing and TIH

***11-11-1999*** Wash and ream liner down from 3320' to 3372'. Could not get any deeper. ( 8' off bottom ) Set liner hanger at 3155'. Release from liner. Repair rig clutch control. TOOH. LD 3 ½" drill pipe and 4 ¾" drill collars. Rig up Blue Jet and perforate intervals 3255' to 3285' and 3311' to 3371' with 4 jet shots per foot. Rig down wire line truck. Change rams for 2 3/8" tubing rams. TIH with 106 joints of 2 3/8", 4.7#, J-55, EUE 8rd production tubing, land at 3334', F-nipple @ 3302'. Nipple down BOP equipment and nipple up well head equipment. Rig down service unit. Rig released at 07:00 hrs 11/11/99.