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

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99 MAY 28 AM 11:31
070 FARMINGTON, NM

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenty 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	8. Well Name and No. ROSA UNIT #200
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	9. API Well No. 30-039-24390
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) 1265' FNL & 1475' FEL, NW/4 NE/4, SEC 29 T31N R5W	11. County or Parish, State RIO ARRIBA, NM

5. Lease Designation and Serial No.
SF-078764

If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation
ROSA UNIT

RECEIVED
JUN - 4 1999
OIL CON. DIV.
DIST. 3

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
■ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	■ *Other Cavitation Complete*	☐ 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.)*

4-26-1999: MIRU service unit. SICP 1150#, SITP 1150#, Blow well down, kill well with 90 bbls produced water. Nipple down well head, Nipple up BOP's. Lay blooie lines. Rig up choke manifold. Kill well again with 90 bbls produced water. Test BOP's to 1000 psi high and 250 psi low with rig pump. TOH w/ 2 3/8" tubing. Lay down tubing. Change out rams for 5 ½" and 3 ½". Pick drill pipe out of baskets. Place drill pipe on racks and strap. Pick up retrieving tool and TIH picking up drill pipe.

4-27-1999: TIH w/ retrieving tool, pick up 3 ½" drill pipe. Screw into liner hanger at 3059'. Pulled lose at 120K. Pumped 100 bbls produced water to kill well. TOH w/ retrieving tool. Recovered slips from liner hanger but no liner recovered. Wait on fishing tools. PU fishing tools. TIH w/ fishing tools, spear liner at 3059'. Jar on liner to 120K. Cut and slip 170' of drilling line. Jar on liner to 120K, jars failed after 2 ½ hrs. Try to release spear from liner. Had to work free. TOH w/ fishing tools.

4-28-1999: TIH w/ retrieving tool, pick up 3 ½" drill pipe. Screw into liner hanger at 3059'. Pulled lose at 120K. Pumped 100 bbls produced water to kill well. TOH w/ retrieving tool. Recovered slips from liner hanger but no liner recovered. Wait on fishing tools. PU fishing tools. TIH w/ fishing tools, spear liner at 3059'. Jar on liner to 120K. Cut and slip 170' of drilling line. Jar on liner to 120K, jars failed after 2 ½ hrs. Try to release spear from liner. Had to work free. TOH w/ fishing tools.

Continued on back

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

Signed Tracy Ross TRACY ROSS Title Production Analyst Date May 24, 1999

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

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.

JUN 01 1999

NMOCD

FARMINGTON FIELD OFFICE
BY _____

4-29-1999: TIH w/ retrieving tool, pick up 3 ½" drill pipe. Screw into liner hanger at 3059'. Pulled lose at 120K. Pumped 100 bbls produced water to kill well. TOH w/ retrieving tool. Recovered slips from liner hanger but no liner recovered. Wait on fishing tools. PU fishing tools. TIH w/ fishing tools, spear liner at 3059'. Jar on liner to 120K. Cut and slip 170' of drilling line. Jar on liner to 120K, jars failed after 2 ½ hrs. Try to release spear from liner. Had to work free. TOH w/ fishing tools.

4-30-1999: TIH w/ bit tag at 3273' (10' of fill). CO from 3273' to 3283' w/ 1800 cfm air, 5 bph H2O mist. Pull to shoe. Cavitate well. Surge 8 times to 1450 psi w/ 1800 cfm air, water and soap. Very little coal returns. Very little gas. TIH. Tag at 3245'. CO from 3145' to 3283' w/ 1800 cfm air, 5 bph H2O. Circ up coal fines. Pull to shoe. Prepare to surge well. No gauge.

5-01-1999: Cavitate well. Surge 11 times to 1950 psi with 1800 cfm air and water. Started with very little coal returns and very little gas. Increased in gas to a 20' flare. Recovered large amounts of coal fines. (Dust to 1/8" size) Trip back in hole. Tag at 3034' right at the window. Clean out from 3034' to 3283' with 1800 cfm air, 5 bph H2O. Circulate up coal fines to 1/8" size.

5-02-1999: Pull up into window. Cavitate well. Surge 9 times to 1950 psi with 1800 cfm air and water. Started with med. coal returns and a 10'flare. Increased in gas to a 20' flare. Recovered large amounts of coal fines. (Dust to 1/4" size) TIH. Tag at 3145'. CO from 3145' to 3283' with 1800 cfm air, 5 bph H2O. Circulate up coal fines to 1/8" size. Circulate with 1800 cfm air to dry up hole. Pull up into window. Flow test through a ¾" choke as follows: 15 min-13# = 362 mcfd, 30 min-13# = 362 mcfd, 45 min-12.5# = 355 mcfd, 60 min-11.5# = 340 mcfd. Final gauge = 340 mcfd.

5-03-1999: Cavitate well. Surge 9 times to 1950 psi with 1800 cfm air and water. Started with med. coal returns and a 10'flare. Increased in gas to 20' to 25' flare. Recovered large amounts of coal dust. Trip back in hole. Tag bridge at 3050'. Clean out from 3138' to 3232' with 1800 cfm air, 5 bph H2O. Circulate up coal fines to 1/8" size. Coals may be running. Very sticky on bottom. 25' flare.

5-04-1999: Clean out from 3201' to 3283' with 1800 cfm air, 5 bph H2O. Circulate up coal and shale fines to 1/2" size. Coals may be running. Very sticky on bottom. Stuck pipe at 3240', Worked pipe free. Pull 4 joints to 3106'. Clean out from 3106' to 3232' with 1800 cfm air, 5 bph H2O. Circulate up coal and shale. No gauge.

5-05-1999: Clean out from 3201' to 3283' with 1800 cfm air, 5 bph H2O. Try different circulating rates and gpm's to help clean out. Circulate up coal and shale fines to 1/2" size. Circulate with 1800 cfm air to dry up hole. Pull up into window. Flow test through a ¾" choke as follows: 15 min-15# = 390 mcfd, 30 min-18# = 430 mcfd, 45 min-19# = 450 mcfd, 60 min-19# = 450 mcfd. Flow test was dry gas and a 15' flare. Gauge @ 440 mcfd.

5-06-1999: TIH, tag fill at 3255'. CO from 3255' to 3283' w/ 1800 cfm air, 5 bph H2O mist. Circulate with 1800 cfm air to dry up hole. TOOH for under reamer. Pick up under reamer and TIH to 3150'. Under ream to 11" from 3150' to 3169'. Had high torque and drag. (Hole may have fell in on us). TOOH w/ under reamer (dragged all the way out) Lay down under reamer. TIH w/ bit, tag hard bridge at 3165'. CO from 3165' to 3201', CO from 3275' to 3283' w/ 1800 cfm air, 5 bph H2O mist. Circulate with 1800 cfm air to dry up hole. TOOH for under reamer. Pick up under reamer and TIH.

5-07-1999: Under ream from 3200' to 3283'. Open hole from 6 ¼" to 9 ½". Pull up and under ream from 3170' to 3200'. Open hole from 6 ¼" to 9 ½". Pull up and under ream from 3140' to 3170'. Open hole from 6 ¼" to 9 ½". Circulate with 1800 cfm air, 15 bph H2O and soap mist. TOH, lay down under reamer. TIH w/ bit, tag bridge at 3165'. CO from 3165' to 3283' w/ 1800 cfm air, 5 bph H2O mist. Circulate w/ 1800 cfm air to dry up hole. Pull up into window. Flow test through a ¾" choke as follows: 15 min-25# = 536 mcfd, 30 min-25# = 536 mcfd, 45 min-27# = 565 mcfd, 60 min-27# = 565 mcfd. Had a 15' flare, dry gas. Gauge = 565 mcfd.

5-08-1999: Cavitate well. Surge 2 times with natural build up. 800 psi in 6 hrs. Had light coal dust returns and no water.
Surge 5 times with 1800 cfm air, 5 bph H2O mist. Light coal dust and mist returns. Flare of 25'. 2 hrs to build up to 1350 psi, flow back 30 to 60 min. No gauge.

5-09-1999: Cavitate well. Surge 5 times with 1800 cfm air, 5 bph H2O mist. Coal fines, dust and mist returns. Flare of 25'
2 hrs to build up to 1350 psi, flow back 30 to 60 min. TIH. Tag fill at 3253'. Clean out from 3253' to 3283' with 1800 cfm air, 5 bph H2O mist. Circulate up large amounts of coal fines. No gauge.

5-10-1999: Clean out from 3263' to 3283' with 1800 cfm air, 5 bph H2O mist. Reduced air rate to 900 cfm. Seems to clean up better at reduced rate. Circulate up coal fines. Circulate with 900 cfm air to dry up hole. Pull up into window. Flow test through a ¾" choke as follows: 15 min-20# = 464 mcfd, 30 min-18# = 435 mcfd, 45 min-18# = 435 mcfd, 60 min-18# = 435 mcfd. Dry gas and 15' flare. Avg gauge = 835 mcfd.

5-11-1999: Cavitate with Natural build up. Surge 3 times. Build up to 600 psi in 4 hrs. Flow back 2 hrs. Coal dust returns, no water. TIH. Tag fill at 3275'.Clean out from 3263' to 3283' with 1800 cfm air, 5 bph H2O mist. Reduced air rate to 900 cfm. Seem to clean up better at reduced rate. Circulate up coal fines and black water. Circulate with 900 cfm air to dry up hole. Pull up into window. Flow test through a ¾" choke as follows: 15 min-30# = 609 mcfd, 30 min-32# = 638 mcfd, 45 min-30# = 609 mcfd, 60 min-30# = 609 mcfd. Dry gas and 15' flare.

5-12-1999: Cavitate with Natural build up. Surge 3 times. Build up to 780 psi in 4 hrs. Flow back 2 hrs. Coal dust returns, no water. TIH. Tag fill at 3280'.CO from 3263' to 3283' w/ 1800 cfm air, 5 bph H2O mist. Reduced air rate to 900 cfm. Seem to clean up better at reduced rate. Circulate up coal fines and black water. Circulate with 900 cfm air to dry up hole. Pull up into window. Flow test through a ¾" choke as follows: 15 min-30# = 638 mcfd, 30 min-32# = 710 mcfd, 45 min-30# = 710 mcfd, 60 min-30# = 681 mcfd. Dry gas and 20' flare.

5-13-1999: Cavitate with Natural build up. Surge 3 times. Build up to 800 psi in 4 hrs. Flow back 2 hrs. Coal dust returns, no water. Trip in hole. Tag fill @ 3280'.CO from 3263' to 3283' with 1800 cfm air, 5 bph H2O mist. Reduced air rate to 900 cfm. Seem to clean up better at reduced rate. Circulate up coal fines and black water. Circulate with 900 cfm air to dry up hole. Pull up into window. Flow test through a ¾" choke as follows: 15 min-35# = 681 mcfd, 30 min-37# = 710 mcfd, 45 min-37# = 710 mcfd, 60 min-37# = 710 mcfd. Dry gas and 20' flare.

5-14-1999: Flow well through blooie lines, Trip in hole, tag fill at 3280'. Clean out from 3263' to 3283' with 900 cfm air, 5 bph H2O mist. Circulate with 900 cfm air to dry up hole. TOH. LD 10-4 ¾" drill collars. Change out rams for 5 ½" csg. Pick up 8 joints 5 ½" casing and liner hanger. TIH w/ liner. Tag fill at 3280'. Circulate liner down. Land liner at 3282' (Top of liner at 2910'). TOH and lay down 3 ½" drill pipe. Change out rams for 2 7/8" tubing. PU 4 ¾" mill and 2- 7/8" tubing and TIH to 3144'. Mill off perforation plugs from 3144' to 3281'. NOTE: Liner from 2910' to 3282', 8 joints 5 ½", 15.5#, K-55, LT&C. (3 joints preperforated 3144' to 3281')

5-15-1999: Finish milling out perforations to 3281', circulate with 900 cfm air to dry up hole. Trip out of the hole, lay down 4 ¾" mill. Trip in hole with 2-7/8" tubing land at 3247'. Nipple down BOP stack, choke manifold and blooie lines. Rig down and release rig at 18:00 hrs 05/14/99. Plan to move to the Rosa Unit #264 05/15/99. NOTE: Ran 104 joints 2 7/8", 6.5#, J-55, EUE 8rd. Land at 3247'. 2.25" ID F-nipple at 3216'. Sawtooth collar on bottom. No gauge.