

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-078772

6. If Indian, Allottee or Tribe Name

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) 573-6254

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
2040' FSL & 790' FWL, NW/4 SW/4, SEC 33 T32N R6W

7. If Unit or CA, Agreement Designation  
ROSA UNIT

8. Well Name and No.  
ROSA UNIT #242

9. API Well No.  
30-045-27420

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

11. County or Parish, State  
SAN JUAN, 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 Cavitation

- ☐ 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.)\*

Williams Production Company plans to cavitate this well as per the attached procedure. Estimated start date 10/01/1999.

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

Signed Tracy Ross  
TRACY ROSS

Title Production Analyst

Date August 25, 1999

(This space for Federal or State office use)

Approved by [Signature]

Title [Signature]

Date AUG 31 1999

Conditions of approval, if any:

2/24/99

WILLIAMS PRODUCTION COMPANY  
CAVITATION PROGNOSIS  
ROSA 242

Purpose: To pull liner and cavitate the Fruitland Coal zone.

1. Dig blow pit. Check and replace rig anchors.  
Notify BLM 24 hours to moving in.
2. MIRUSU. Nipple up BOP's, 2 blooie lines, hydraulic valves, working valves and 2" relief lines. Test BOP's.  
Fill rig pit with produced water. Filter water only if necessary.  
Rig up air package.  
IF NEEDED, order out 2-7/8" replacement tubing string from Ron Cochran, WPX materials Coordinator. Also correct tubing hanger. Review with engineering, based on gauges.  
Notify Dante Vescovi with T.I.W.


**NOTE: a pre-drilled liner will be run back in this well. Coordinate with Ron Cochran (Williams Material Coordinator) and Darby at A-1 Machine shop. Pre perforate 4 jts of 5-1/2" with 4 SPF with plugs. One week lead time to pre drill liner.**

3. RIH w/ tubing and check for fill. TOH with tbg and LD.
4. CO fill if necessary.
5. Notify Dante Vescovi with T.I.W. to be on location with liner setting/retrieving tool.  
Note: liner in well is JGS rotating hanger, LHJ, LHR.  
TIH with T.I.W. setting tool on 3-1/2" drill pipe. Tag liner top at 2929'. Thread setting tool into liner hanger and pull straight out to release hanger and liner. TOH with liner and drill pipe.
6. Re use 5-1/2" liner as necessary. Replace JGS liner hanger with left hand threads.
5. If liner recovery with setting tool was unsuccessful, mill it out as follows.  
Pick up rotary shoe, bumper sub, jars, 6-1/4" mill and 4-3/4" drill collars on 3-1/2" drill pipe and TIH. Mill the hold down slips off the liner. TOOH. Pick up a spear and the fishing tool assembly and TIH. Spear into the liner top and jar liner loose.
6. TOOH w/ 5-1/2" Liner and LD. Re use any jts if possible.
8. PU 6-1/4" bit on 3-1/2" DP and TIH. Clean out to TD. TOOH.
9. PU 7" X 9-1/2" Underreamer and underream from 3006' to 3181'. TOOH.
10. TIH w/ 6-1/4" bit on 3-1/2" DP and circulate out fill.  
**Cavitate well!** Run 5 to 10 bbl sweeps using 1 GPB of soap if necessary.
11. Pull up into 7". Pressure up hole to 2000 psi if possible (Max pressure) then surge. Do this repeatedly. S.I. and measure pressure buildup. Gauge.
12. Repeat 14-17 days or until gas production no longer increases. Total 21 days on location max.

13. TOH w/ 6-1/4" bit on 3-1/2" DP.

Call Dante Vescovi w/ TIW to run liner.

14. PU 5-1/2" pre drilled liner with plugs on 3-1/2" DP. Four pre drilled joints on bottom (at least 43' jt lengths) and six jts total. Run in with reconditioned or new JGS liner hanger with left hand threads and L A set shoe on bottom of liner. Rotate down if necessary. Land liner with 80' of overlap in 7". TOOH w/ 3-1/2" DP and LD.
15. PU plug mill (from A-1 Machine Inc.), bit sub and 3-1/2" DP and TIH to knock off pre drilled plugs. TOH.
16. Rerun 2-3/8" tbg. Land at 3150'. Arrange for correct hanger with wellhead personnel if running larger tbg.
17. ND BOP and NU wellhead. Shut well in for buildup.
18. Cleanup location and release rig.

  
Sterg Katirgis  
Senior Engineer

# WELLBORE DIAGRAM

## ROSA UNIT #242

2040' FSL 790' FWL  
33-32N-6W  
Rio Arriba Co, NM

Elevation: 6438' GL  
KB 13'

Wellhead Eqpt.  
9-5/8" x 7" x 2-3/8" 3000#

9-5/8", 36#, K-55 @ 224'  
Cmt w/ 189 cf. TOC @ surface  
Hole size 12 1/4"

### TOPS

Ojo Alamo 2375"  
Fruitland 2912'

ID Date 4/6/96  
Initial CP = 1240 psi

98 jts 2-3/8", J-55. 4.7#, 8rd, EUE  
@ 3124', "F" nipple @ 3092".

TOL @ 2929'  
Pre perfed liner  
Land @ 3179'

7" 20# K-55 @ 3005'  
Cmt w/ 1268 cf cmt. Circ to surface  
~~hole size 6-3/4"~~

hole = 6-1/4"

TD 3181'  
PBTD 3179'