

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)
1310' FSL & 1310' FWL, SW/4 SW/4, SEC 24 T31N R6W

5. Lease Designation and Serial No.
SF-078767

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #209

9. API Well No.
30-039-24864

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

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 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 re-cavitate this well as per the attached procedure. Estimated start date 5/17/2004.

- Per conversation w/ Tracy Ross on 5/20/04, prior approval is required before commencing recavitation operations.

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

Signed Tracy Ross
TRACY ROSS

Title SR. Production Analyst

Date May 21, 2004

(This space for Federal or State office use)

Approved by [Signature]

Title Petr. Eng.

Date 5/20/04

Conditions of approval, if any:

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



1-5-04

WILLIAMS PRODUCTION COMPANY
CAVITATION PROGNOSIS
ROSA 209 – Sec. 24-31N-6W

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

1. Notify BLM 24 hours to moving in.
2. Hold daily safety meetings stressing need to work in a safe, controlled, and informed manner.
3. MIRUSU. Nipple up pneumatic actuated BOPs, 2 blooie lines, pneumatic working valves and 2 - 7" blooie lines. Anchor blooie lines securely. Test BOPs. Fill rig tank with produced water. Do not filter water unless necessary.
4. Rig up air package, 1800 cfm minimum.
5. TIH and tag fill. CO fill if necessary. TOOH w/ 2-3/8" tubing and LD.
6. Contact Dante Vescovi with TIW to assist with retrieval of hanger. TIH with retrieving tool and release liner hanger.
If hanger does NOT release, 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 liner top and jar liner loose. TOL @ 2897'.
7. TOOH w/ 5-1/2" liner and LD. Re use any joints if possible.
8. PU 6-1/4" bit on 3-1/2" DP and TIH. Clean out to TD (3171') TOOH. *original TD @ 3171'*
9. TIH w/ 6-1/4" bit on 3-1/2" DP and circulate out fill.

CAVITATION

10. Run 5 to 10 bbl sweeps using 1 GPB soap if necessary.
11. PU bit inside 7" casing. Pressure up hole to 2000 psi (maximum pressure) then open to atmosphere. Repeatedly surge well. SI for buildup after surging 4 times.
12. Record any breaks. Record accurate buildup pressure and pitot gauges after each cycle. Repeat until gas production no longer increases, 2 – 3 weeks.
13. TOH w/ bit and DP.
14. Notify Dante Vescovi with TIW to run liner.
15. PU 5-1/2" liner on 3-1/2" DP. Run in with liner and L A set shoe on bottom of liner. Rotate down if necessary. Land liner @ 3171 with 50' overlap in 7". TOOH w/ DP and LD. **Perforate liner with 4 SPF at the following intervals: 3020'-3090', 3143'-3170'.**
16. PU 2-3/8", 4.7#, J-55, 8rd, EUE tbg. TIH and land tubing @ 3160' with a seating nipple one joint up and an expendable check on bottom. **(This will require adding one joint to the string.)**
17. ND BOP and NU wellhead. Shut well in for buildup.
18. RDSU. Clean up location and move.

Lance A. Hobbs
Senior Production Engineer

ROSA UNIT #209 **BASIN FRUITLAND COAL**

Location:

1310' FSL and 1310' FWL
 SW/4 SW/4 Sec 24M, T31N R6W
 Rio Arriba, New Mexico
 Elevation: 6315' GR

Spud : 08/24/90

Completed: 04/09/91

ID date: 05/19/93

Cavitated: 06/30/99

Top	Depth
Ojo Alamo	2410'
Kirtland	2520'
Fruitland	2920'

8/7/98: Squeeze @ 395' w/
 17 sx Class "B" cmt

5 jts 9-5/8", 36#, K-55, 8rd, ST&C csg. Landed @ 226'
 Cement with 160 sx cmt

102 jts 2-3/8", 4.7#, J-55, 8rd, EUE tbg with
 1.810" F-nipple @ 3106'. Landed @ 3139'.

TIW 5-1/2" x 7" liner
 hanger. TOL @ 2897'

69 jts 7", 23#, K-55, 8rd, ST&C csg. Landed @ 2975'.
 Cement with 660 sx cmt

2995'

3170'

6 jts 5-1/2", 17#, N-80 USS csg w/ LA set shoe @
 3171'. Landed @ 2897' - 3171'. 1st, 3rd & 4th jts
 off bottom perforated. No cement

Total Depth @ 3171'

Hole Size	Casing	Cement	Volume	Top Of CMT
12-1/4"	9-5/8", 36#	160 sx	189 cu. ft.	surface
8-3/4"	7", 23#	660 sx	1092 cu. ft.	surface
6-1/4"	5-1/2", 17#	n/a	n/a	n/a