

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

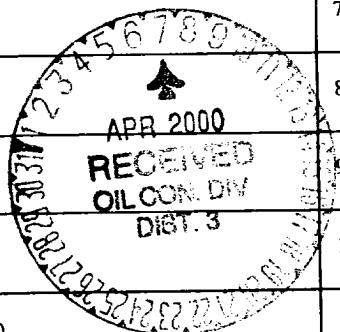
FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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 37-2, TULSA, OK 74101 (918) 573-6254
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' FSL and 865' FWL SW/4 SW/4 SEC 22-31N-05W



5. Lease Designation and Serial No.
SF-078770
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement Designation
ROSA UNIT
8. Well Name and No.
ROSA UNIT #258
9. API Well No.
30-039-24646
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	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	Abandonment
<input type="checkbox"/> Subsequent Report	Recompletion
<input type="checkbox"/> Final Abandonment	Plugging Back
	Casing Repair
	Altering Casing
	Other <u>Cavitation</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.)*

Williams Production Company plans to cavitate this well as per the attached procedure on or about April 1, 2000

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

Signed

Tracy Ross
TRACY ROSS

Title Production Analyst Date February 2, 2000

(This space for Federal or State office use)

Approved by

/s/ Charlie Beecham

Title

Date

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.

2/1/2000


WILLIAMS PRODUCTION COMPANY
CAVITATION PROGNOSIS
ROSA 258

Purpose: To cavitate the Fruitland Coal zone in this well.

1. Notify BLM 24 hours to moving in.
Notify Dante Vescovi with T.I.W.
2. MIRUSU. Nipple up BOP's, 2 blooie lines, hydraulic valves, working valves and 2" relief line. Test BOP's.
Fill rig pit with produced water. Do not filter water unless necessary.
Rig up air package. Order pre drilled 5-1/2" liner
3. RIH w/ tubing and check for fill. TOH with tbg and LD.
4. If needed pickup 3-1/2" drill pipe w/ 4-3/4" bit. TIH w/ drill pipe and clean out to PBTD @ 3373'. TOOH.
5. Notify Dante Vescovi with T.I.W. to be on location with liner setting/retrieving tool. TIH with T.I.W. setting tool on 3-1/2" drill pipe. Tag liner top at 3204'. Thread setting tool into liner hanger and pull straight out to release hanger and liner. TOH with liner and drill pipe.
6. Recondition 5-1/2" liner as necessary. Order replacement 5-1/2" liner as necessary. Recondition JGS liner hanger with left hand threads.
7. If liner recovery with setting tool was unsuccessful, mill it out as follows.
Pickup 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 top hold down slips off the JGS, Steel Sleeve, Right Hand Release liner hanger. TOOH. Pick up a spear and the fishing tool assembly and TIH. Spear into the liner top and jar liner loose.
8. TOOH w/ 5-1/2" Liner and LD. Repair liner as necessary.
9. PU 6-1/4" bit on 3-1/2" DP and TIH. Clean out to TD'. TOOH.
10. PU 7" X 9-1/2" Underreamer (for 7" 23# casing) and underream from 3240' to TD'. TOOH.
11. TIH w/ 6-1/4" bit on 3-1/2" DP and circulate out fill. Cavitate well! Run 10 to 5 bbl sweeps using 1 GPB of soap if necessary.
12. PU bit and drill pipe to inside 7" casing . Pressure up hole to max pressure then surge. Do this repeatedly.
Obtain pitot gauges. S.I. and measure pressure buildup.
13. Repeat 2-3 weeks or until gas production no longer increases.

NOTE: Accurate guages will be essential in determining the success of each step.
14. TOH w/ 6-1/4" bit on 3-1/2" DP.

15. PU 5 joints 5-1/2" Liner on 3-1/2 DP. Run in with reconditioned JGS liner hanger with left hand threads and L A set shoe on bottom of liner. Rotate down if necessary. Land liner with $\pm 75'$ overlap in 7". TOOH w/ 3-1/2" DP and LD.
16. Using wireline perforate the following depths with 4 holes/ft, 0.76" hole diameter; 3250-3256, 3288-3290, 3308-3332, 3340-3373(close to bottom as possible).
17. PU 2-3/8", 4.7#, J-55, 8rd, EUE tbg and RIH. Land tubing @ $\pm 3340'$. We may decide to run 2-7/8" tbg at this point.
18. ND BOP and NU wellhead. Shut well in for buildup.
19. Cleanup location and release rig.


Sterg Katargis
Senior Engineer

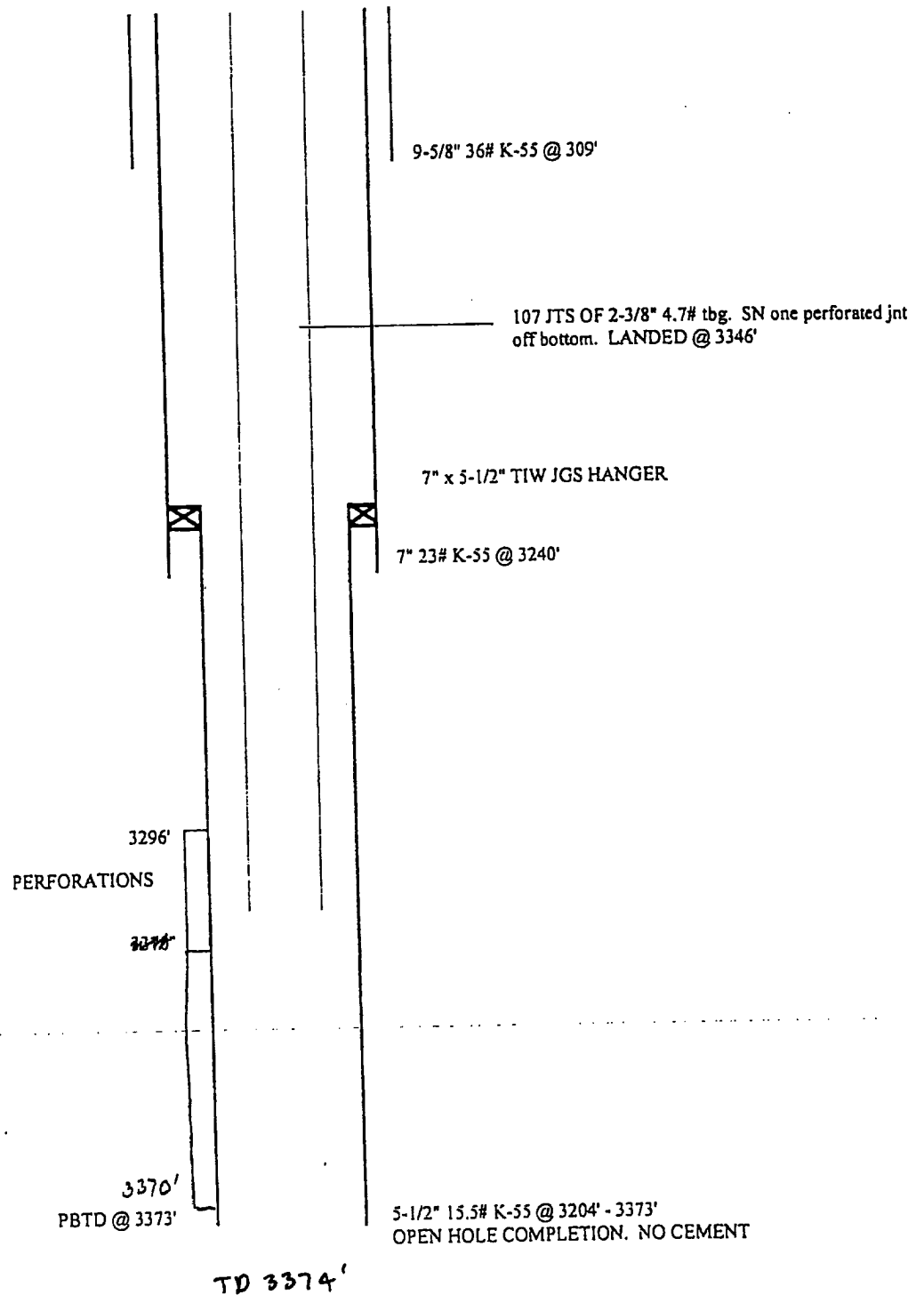
WELLBORE DIAGRAM

ROSA #258 FRT COAL

Location: 780' FSL, 865' FWL
SW/4 SW/4 Section 22, T31N, R5W
Rio Arriba Co., NM

Elevation = 6521' GR
KB = 12'

TOPS	DEPTH
OJO ALAMO	2670'
KIRTLAND	2747'
FRUITLAND	3220'



HOLE SIZE	CASING	CEMENT	TOP OF CMT
12-1/4"	9-5/8" 36# K-55	240 sx	SURFACE
8-3/4"	7" 23# K-55	535 sx	SURFACE
6-1/4"	5-1/2" K-55	N/A	N/A