

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-078773

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

RECEIVED
AUG 14 1998
OIL CON. DIV.
DIST. 3

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
ROSA UNIT #270

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-24964

3. Address and Telephone No.
PO BOX 3102 MS 37-2, TULSA, OK 74101 (918) 588-4592

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2065' FSL & 1610' FWL, NE/4 SW/4, SEC 34 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

- ☒ 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 plans to restimulate this well by cavitation as per the attached procedure.
Work to begin around 9-1-1998.

RECEIVED
BLM
93 JUL 30 11:12:36
070 WASHINGTON, NM

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

Signed Susan Griguhn
SUSAN GRIGUHN

Title CLERK Date July 28, 1998

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer

Title _____ Date AUG 11 1998

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

7/22/98

WILLIAMS PRODUCTION COMPANY
CAVITATION PROGNOSIS
ROSA 270


Purpose: To cavitate the Fruitland Coal zone.

1. Dig and line blow pit. Check and replace rig anchors.
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 lines. Test BOP's.
Fill rig pit with produced water. Filter water only if necessary.
3. RIH w/ tubing and check for fill. TOH with tbg and LD.
4. If there is a lot of fill clean out. Pickup 3-1/2" drill pipe w/ 4-3/4" bit. TIH w/drill pipe and clean out to PBTD @ 3595'. 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 3330'. 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 if possible. Order new pipe if 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. Re use liner if possible.
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 and underream from 3420' to 3597'. TOOH.
11. Install three 750 cfm rated compressors with boosters and one 750 cfm compressor with booster for backup on location, or equivalent
12. 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.
13. PU bit and drill inside 7". Pressure up hole to 2500 psi if possible (Max pressure) then surge. Do this repeatedly.
S.I. and measure pressure buildup. Pitot gauge flow through 3/4" choke. 4 readings during 1 hour flow.

14. Repeat 14-17 weeks or until gas production no longer increases.
15. TOH w/ 6-1/4" bit on 3-1/2" DP.
16. PU 5-1/2" liner on 3-1/2" DP. 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 @ 3597' with minimum of 60' overlap in 7". TOOH w/ 3-1/2" DP and LD.

If new 5-1/2" is run, perforation depths will be picked as per engineering, approximately 90' at 4 - 0.50" JSPF.

17. PU 2-3/8", 4.7#, J-55, 8rd, EUE tbg and TIH. Land tubing @ ±3560'.
18. ND BOP and NU wellhead. Shut well in for buildup.
19. Cleanup location and release rig.



Sterg Katirgis
Senior Engineer

ROSA UNIT #270

FRUITLAND COAL

2065' FSL 1610' FWL
NE/4 SW/4 SEC 34K T31N R5W
Ria Arriba Co, NM

Elevation: 6727' GL
KB 12'

Drilled in 1990
ID'd in 1994

5 jts 9-5/8", 36#, K-55, ST&C @ 228'

112 jts of 2-3/8", 4.7#, J-55, 8rd EUE tbg with
expendable check valve on bottom and
Baker "F" nipple @ 3488'. Landed @ 3521'.

Ojo Alamo 2854'

Kirtland 3034'

Fruitland 3389'

TIW 7" x 5-1/2" JGS liner. Top @ 3330'
LH 52+

79 jts 7", 20#, K-55, ST&C @ 3414'

Pre-Perforated
Liner

3421'

3461'

3508'

3551'

3554'

3594'

PBTD @ 3595'

TD @ 3597'

6 jts 5-1/2", 15.5#, K-55 @ 3330' - 3597'

HOLE SIZE	CASING	CEMENT	TOP OF CMT
12-1/4"	9-5/8" 36#	160 sx	SURFACE
8-3/4"	7" 20#	770 sx	SURFACE
6-1/4"	5-1/2" 15.5#	Did Not Cement	N/A

PERTINENT DATA SHEET

WELLNAME: Rosa #270

FIELD: Basin Fruitland Coal

LOCATION: 2065' FSL, 1610' FWL, Sec 34, T31N, R5W

ELEVATION: 6727 GL TD: 3597'

KB: 12'

PBTD: 3595'

COUNTY: Rio Arriba

STATE: New Mexico

DATE SPUDDED: 10/18/90

CASING TYPE	CASING SIZE	HOLE SIZE	WEIGHT & GRADE	DEPTH	CEMENT	TOP
Surface	9-5/8"	12-1/4"	36.00#, K-55	228'	160 sx	surface
Intermediate Casing	7"	8-3/4"	20.0#, K-55	3414'	770 sx	surface
Production Liner	5-1/2"	6-1/4"	15.5#, K-55	3330'-3597'	NO CEMENT	

TIW 7" x 5-1/2" JGS, LH set liner hanger @ 3330'.

TUBING EQUIPMENT 112 jts, 2-3/8", 4.7#, J-55, 8rd, landed @ 3521'. F nipple one jt off bottom. Expendable check.

WELLHEAD: Casing Head: 9-5/8" X 11" 3000#

Tubing Head 7-1/16" 3000#

FORMATION TOPS:

Ojo Alamo	2854'
Kirtland	3034'
Fruitland	3389'

LOGGING RECORD: Mud log.

PERFORATIONS: 3421-3461', 3508-3551', 3554-3594', pre perfed liner

STIMULATION: circulated and ran sweeps for 2 days

WORK OVER HISTORY First Delivered

SGK 7/22/98