

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

7. If Unit or CA, Agreement Designation
ROSA UNIT

8. Well Name and No.
ROSA UNIT #238

9. API Well No.
30-039-24501

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

11. County or Parish, State
RIO ARRIBA, NM

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 37-4, TULSA, OK 74101 (918) 588-4592

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2045' FSL & 1960' FEL, NW/4 SE/4, SEC 3 T31N R6W

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

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 FRAC. STIMULATE PERFORATIONS

- ☐ 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.)*

7-08-1998 Finish rigging up. SICP = 240#. Blow well down. ND wellhead and NU BOPs. Pick up 5 extra joints of tubing and tag bottom. Tally out. PBTB = 3162' KB. Pick up 3-7/8" bit and 4-1/2" casing scraper and TIH. Work bit and casing scraper across perfs. TOH. Pick up 4-1/2" RBP and packer and TIH. Set RBP at 3020'. Loaded hole with KCl water and pressure test casing to 3300# - held OK. Release RBP and POH above liner top. SDON. Plan to breakdown perfs in acid 7/8/98.

7-09-1998 TIH and set RBP at 3152' and packer at 3115'. Rig up BJ. Established rate into and break down perfs from 3124' - 3137' at 1700# and 2 BPM. Acidized with 600 gal. of 15% HCl. AIR = 2.1 BPM. ATP = 2380#, MTP = 2440#. Released packer and TIH to retrieve BP when packer set prematurely. Released and it set again. TOH and replaced packer. TIH and retrieved RBP. Set RBP at 3115' and packer at 3067'. Established rate into perfs at 3071' - 3078' at 1900# and communicated with perfs at 3049' - 3064'. Reset packer at 3030'. Wait on acid. Established rate into upper two sets of perfs at 3.2 BPM at 2180#. Acidized with 1300 gal of 15 % HCl. AIR = 3.1 BPM, ATP = 2150#, MTP = 2240#. Released packer and RBP and TOH. Ready wellhead to frac. SDON.

7-10-1998 Help frac crew get to location. Roads were very muddy. Rig up BJ. Fraced Fruitland Coal with 12,000# of 20/40 sand in 20# Xlinked borate gel / 70 quality nitrogen foam. Well screened out at 3450#. ISIP = 3450#, 5 min. = 3400#. AIR = 10.5 BPM, ATP = 3300#, MTP = 3450#. Left 16,000# of sand in well bore. Flow back well through 1/4" choke. TIH with bit and tag fill at 3065'. Unload well with drill gas and clean out to 3162' (PBTB). Run soap sweep. POH to 2786' KB and SDON.

Continued On Reverse Side

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

Signed Susan Griguhn
SUSAN GRIGUHN

Title CLERK

Date July 21, 1998

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ACCEPTED FOR RECORD

AUG 11 1998

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.

MINING DISTRICT OFFICE

NMOCD

7-11-1998 SCIP: 310#, blow well down. TIH & tag 20' of fill. CO to PBTD w/ drill gas. Blow well & run 10 bbl soap sweep. No water & trace of sand. TOH w/ bit. Ready rig to run 3-1/2". Wait on work string (muddy roads). PU 7" full bore packer & TIH. Set packer @ 2809'. Load casing w/ 115 bbls of 1% KCl. Pressure test to 1000# - Held OK. NU frac valve & SWFN.

7-12-1998 RU BJ & hold safety meeting. Pressure test lines to 7500#. Frac Fuitland Coal w/ 70,000# of 20/40 @ 1-4 ppg stages w/ 20# x-link borate gel in 70Q foam. ISIP: 2200#, 15 min.: 2330#. AIR: 40 bpm. MIR: 40 bpm., ATP: 5500#, MTP: 5990#. RD BJ & wait on gel to break. SITP: 2350#. Start flow back on 1/8" choke. Well making heavy sand, gel & nitrogen. Flowing tubing pressure: 2150#. Turn over to dry watch.

7-13-1998 Shut down for Sunday

7-14-1998 Flow back well on 1/8" choke. Returns are nitrogen, slugs of broken gel water and a trace of sand. Starting FTP = 450#, Ending FTP = 420#. Changed to 1/2" choke. Returns are nitrogen, broken gel water and no gas or sand. Ending FTP = 150#. Left well flowing with watchman. SDON.

7-15-1998 FTP = 70#. Open unloaded and equalize well. ND frac valve. Release packer and TOH, laying down 3-1/2" workstring and packer. TIH with notched collar and tag 55' of fill at 3107'. Pick up swivel and unload well with drill gas. Cleaned out fill and ran soap sweep. POH to 3120' and let well flow naturally. TIH and tag 14' of fill. Cleaned out to bottom and ran soap sweep. POH to 3120'. Bucket test well at 3.6 BWPH and no sand. Turned well over to watchman. SDON. Alternating flow and blow.

7-16-1998 TIH and clean out 40' of fill. POH and flow well naturally. TIH and clean out 4' of fill. Blow well on bottom. POH and flow well naturally. Pitot test at 133 MCFD (dry). TIH and tag 8' of fill. POH and flow well. TIH and clean out 30' of fill. Run soap sweep. POH and flow well. TIH and clean out 11' of fill. POH and flow well. TIH and clean out 6' of fill. Returns are light water, sand and coal fines. POH to 3085'. Alternate flow and blow with watchman. SDON.

7-17-1998 TIH and clean out 24' of fill. Run soap sweep. Flow well naturally. Pitot test well at 123 MCFD (dry). TIH and clean out 4' of fill. Run sweep. POH and flow well naturally. TIH and tag 18' of fill. POH and flow well. TIH and clean out 11' of fill. POH and flow well with watchman. SDON.

7-18-1998 TIH and clean out 15' of fill. Run soap sweep. Flow well naturally. TIH and clean out 3' of fill. POH and flow well naturally. TIH and clean out 4' of fill. Run soap sweep. POH and flow well. Pitot test well at 112 MCFD (dry). TIH and clean out 1' of fill. POH and land 99 jts (3080.76') of 2-3/8", 4.7#, J-55, EUE tubing at 3093' KB. String has notched collar on bottom and SN on top of bottom joint. ND BOP and NU wellhead. Kicked well off with drill gas. Rigged down and released rig. Moving to Rosa #152A.