

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use  
"APPLICATION FOR PERMIT--" for such proposals

97 DEC 11 11:00  
070 EAST

Lease Designation and Serial No.  
SF-078771

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
ROSA UNIT

8. Well Name and No.  
ROSA UNIT #202

9. API Well No.  
30-039-24393

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

11. County or Parish, State  
RIO ARRIBA, NEW MEXICO

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. ROSA UNIT #202
2. Name of Operator WILLIAMS PRODUCTION COMPANY	9. API Well No. 30-039-24393
3. Address and Telephone No. PO BOX 3102 MS 37-2 TULSA, OK 74101 (918) 561-6254	10. Field and Pool, or Exploratory Area BASIN FRUITLAND COAL
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 965' FSL & 1470' FWL, SEC 23, T31N, R6W	11. County or Parish, State RIO ARRIBA, NEW MEXICO

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>RECAVITATION</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)\*

11-21-1997 MOL & RU Big 'A' Rig #37. RU Tetteller Slickline, RIH & set plug in 2-3/8" 4.7# J-55 Tubing @ 2996'. ND WH. NU dual 7-1/16" BOP's (Shaeffer LWS and Cameron), mud cross and two 6" blooie lines.

11-22-1997 Continue NU dual 7-1/16" BOP's (Shaeffer LWS and Cameron), mud cross and two 6" blooie lines. Unset tubing hanger. TOOH w/ 93-Jts 2-3/8" 4.7# J-55 8rd EUE tubing and SN. Tubing was overtorqued. Change pipe rams, tongs, elevators and rubber in Grant stripping head. Test pipe rams to 300# for 10-Mins and 2000# for 30-Mins, held OK. TIH w/ liner retrieving tool on 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. Screw into liner hanger and attempt to free w/o success. TOOH w/ liner retrieving tool on 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. WO fishing tools. TIH w/ liner retrieving tool, 4-3/4" accelerators on 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. Screw into liner hanger and attempt to free w/o success. TOOH w/ liner retrieving tool and accelerators, 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. TIH w/ liner retrieving tool, 4-3/4" jars on 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP.

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

Signed SUSAN GRIGUHN

Title CLERK

Date December 9, 1997

(This space for Federal or State office use)

Approved by

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.

\*See Instruction on Reverse Side

DEC 15 1997

ARMINGTON DISTRICT OFFICE  
WT

# ROSA UNIT #202

## BASIN FRUITLAND COAL

965' FSL 1470' FWL  
SE/4 SW/4 SEC 23N T31N R6W  
RIO ARRIBA Co, NM

Elevation: 6235' GL  
KB 12'

Ojo Alamo 2310'  
Kirtland 2440'  
Fruitland 2900'

9-5/8", 36#, K-55 @ 224'

89 jts of 2-3/8", 4.7#, J-55, 8rd, EUE tbg with  
expendable check and half mule shoe. SN  
@ 2774'. Landed @ 2806'

7", 23#, K-55 @ 2883'

*Predrilled Liner*  
5-1/2", 15.5#, K-55 @ 2797' - 3062'  
Liner hanger & top joint drilled up.

Cavitation 12-1-1997  
Attempted to pull liner  
Sidetracked hole 2 degrees  
from 2831' to 3061'.

Baker Model DW-1 Whipstock @ 2825'.

New hole drilled, left open hole; no liner

Original TD @ 3061'

New TD 3061'

HOLE SIZE	CASING	CEMENT	TOP OF CMT
12-1/4"	9-5/8" 36#	160 sx	SURFACE
8-3/4"	7" 23#	473 sx	SURFACE
6-1/4"	5-1/2" 15.5#	NO CEMENT	N/A

11-23-1997 Service rig. Continue TIH w/ liner retrieving tool, 4-3/4" jars on 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. Screw into liner hanger and attempt to jar free for 4-1/2 Hrs w/o success, no pipe movement at all. Release liner retrieving tool, TOO H w/ liner retrieving tool, 4-3/4" jars, 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. PU 6-3/4" mill and TIH on 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. RU power swivel. Mill out liner hanger slips from 2797'-2800' in 4-1/2 Hrs. TOO H w/ 6-3/4" mill, 12 - 4-3/4" DC's and 79-Jts 3-1/2" 13.30# Gr 'E' DP. PU 5-1/2" casing spear w/ grapple, 4-3/4" jars and accelerators. TIH w/ spear, jars, 6 - 4-3/4" DC's, accelerators, 6 - 4-3/4" DC's, and 79-Jts 3-1/2" 13.30# Gr 'E' DP. Latch into top of 5-1/2" liner @ 2800' and attempt to jar free for 2-1/2 Hrs w/o success, no pipe movement, jars wore out. Release spear from liner. TOO H w/ spear, jars, 6 - 4-3/4" DC's, accelerators, 6 - 4-3/4" DC's, and 79-Jts 3-1/2" 13.30# Gr 'E' DP.

11-24-1997 PU new set of 4-3/4 Hydraulic jars, TIH w/ 5-1/2" casing spear w/ grapple, 4-3/4" hydraulic jars, 6 - 4-3/4" DC's, 4-3/4" accelerators, 6 - 4-3/4" DC's, and 79-Jts 3-1/2" 13.30# Gr 'E' DP. Latch into top of 5-1/2" liner @ 2800' and jar, achieved 8-1/2' of pipe movement, jars wore out. Release spear from liner. TOO H w/ 5-1/2" casing spear, 4-3/4" jars, 6 - 4-3/4" DC's, accelerators, 6 - 4-3/4" DC's, and 79-Jts 3-1/2" 13.30# Gr 'E' DP. TIH w/ 6-3/4" mill, tag Top of liner @ 2800'. RU power swivel, change rubber in Grant stripping head. Mill liner from 2800' to 2840', milled collar @ 2801'-2802' in 3 Hrs, ROP increased to 4'/Hr thru casing body.

11-25-1997 Continue milling liner from 2840' to 2844' for 1-Hr. TOO H w/ 6-3/4" mill. TIH w/ 5-1/2" casing spear, 4-3/4" jars, accelerators, 12 - 4-3/4" DC's, and 80-Jts 3-1/2" 13.30# Gr 'E' DP. Jar 5-1/2" liner from 2844' to 3060' for 7-Hrs, pulling 90K # over string weight w/o any pipe movement, jars wore out. Release spear from liner. TOO H w/ 5-1/2" casing spear, 4-3/4" jars, accelerators, 12 - 4-3/4" DC's, and 80-Jts 3-1/2" 13.30# Gr 'E' DP. TIH w/ 5-1/2" casing spear w/ 1-5/8" W/L port through body on 12 - 4-3/4" DC's, and 81-Jts 3-1/2" 13.30# Gr 'E' DP and latch onto 5-1/2" liner @ 2848'. RU Wireline Specialties & RIH w/ 1-7/16" free-point tool on W/L, found pipe 100% free @ 2925', pipe 50% free @ 2933', collar @ 2933' (three Jts stuck, two Jts above collar free). Release spear from liner. TOO H w/ 5-1/2" casing spear, 12 - 4-3/4" DC's, and 81-Jts 3-1/2" 13.30# Gr 'E' DP. WO Whipstock Tools for 2-3/4 Hrs. PU Whipstock Tools. TIH w/ Baker Model DW1 Whipstock pkr on W/L & set @ 2825' (Top of Pkr), TOO H w/ W/L.

11-26-1997 RD W/L. Specialties. PU 7" Whipstock set @ 2° (15.99') & 6-1/4" starter mill (4.06'). TIH w/ Whipstock & starter mill on 1-Jt 3-1/2" 13.30# Gr 'E' DP, 12 - 4-3/4" DC's, and 78 Jts 3-1/2" 13.30# Gr 'E' DP. RU power swivel, latch into Model DW1 whipstock pkr w/ 7" whipstock, PU 20K# over string weight and shear bolt. Mill 7" casing @ 2809' to 2812' with 6-1/4" starter mill for 1-1/2 Hrs, using 1800 SCF/M air + 10 Gal/Hr mist + 0.05 Gal/Bbl soap. TOO H w/ 6-1/4" starter mill, 12 4-3/4" DC's, and 79-Jts 3-1/2" 13.30# Gr 'E' DP. TIH w/ 6-1/4" window mill, 6-1/4" watermelon mill, and 6-1/4" straight mill on 1-Jt 3-1/2" 13.30# Gr 'E' DP, 12 - 4-3/4" DC's, and 78 Jts 3-1/2" 13.30# Gr 'E' DP. RU power swivel, circ hole w/ 1800 SCF/M air @ 250#. Mill from 2809' to 2831' for 6-Hrs. TOO H w/ three 6-1/4" mills, 12 4-3/4" DC's, and 80-Jts 3-1/2" 13.30# Gr 'E' DP. TIH w/ 6-1/8" Hughes sealed bearing bit on 81-Jts 3-1/2" 13.30# Gr 'E' DP. Drilling sidetracked hole from 2831' to 3061' (TD) for 6-Hrs.

11-27-1997 Circ hole clean using 1800 SCF/M air + 10 Gal/Hr mist + 0.05 Gal/Bbl soap. TOO H w/ 6-1/8" bit, 12 4-3/4" DC's and 87-Jts 3-1/2" 13.30# Gr 'E' DP. TIH w/ 6-1/8", Baker underreamer, bit sub, shock sub on 12 4-3/4" DC's and 80 Jts 3-1/2" 13.30# Gr 'E' DP. RU power swivel & pressure up on underreamer to open arms. Underream hole to 10" from 2839' to 3013' using 1800 SCF/M air + 10 Gal/Hr mist + 0.05 Gal/Bbl soap. PU to 2840'. Repair Power swivel (3 Hrs). TIH to 3013' and continue underreaming hole to 10" from 3013-3061' using 1800 SCF/M air + 10 Gal/Hr mist + 0.05 Gal/Bbl soap. TOO H w/ 6-1/8" bit, Baker Bearclaw Underreamer, bit sub, shock sub, 12 4-3/4" DC's and 3-1/2" 13.30# DP. TIH w/ 6-1/8" bit, on 12 4-3/4" DC's and 87-Jts 3-1/2" 13.30# Gr 'E' DP and tag @ 3052, 9' of fill. CO hole from 3052' to 3061' using 1800 SCF/M air + 10 Gal/Hr mist + 0.05 Gal/Bbl soap. PU to 2807'. Pitot Flow Test #1 thru 2", taking 15 Min. Readings, final tip pressure = 5oz. Begin Pressure Build-Up Test #1 taking 15 Min. Readings.

11-28-1997 Continue Pressure Build-Up Test #1 (15 Min. Readings), final pressure 920#. Surging well @ 1400# w/ air & mist (5 BPH + 0.10 Gal Soap/Bbl) @ 1800 SCF/M, recovering gas, light water and coal dust.

11-29-1997 Surging well @ 1400# w/ air & mist (5 BPH + 0.10 Gal Soap/Bbl) @ 1800 SCF/M, recovering gas, light water and coal dust. TIH & tag @ 3040', 21' of fill. CO fill from 3040' to 3061' (TD), recovering gas, light water, and coal (Size 3 diminishing to size 1). Dry well with 1800 SCF/M air @ 250# for 1/2-Hr. PU to 2807'. Pitot flow test #2 thru 2" (15 Min. Readings), final impact pressure = 11oz. Pressure Build-Up Test #2 (15 Min. Readings) for 3 hrs, final pressure 910#. Surge well for 6 hrs @ 1400# w/ air & mist (5 BPH + 0.10 Gal Soap/Bbl) @ 1800 SCF/M, recovering gas, light water and coal dust. Surge well naturally for 3 hrs @ 750# recovering gas, light water and coal dust.

11-30-1997 Surging well @ 1400# w/ air & mist (5 BPH + 0.10 Gal Soap/Bbl) @ 1800 SCF/M, recovering gas, light water and coal dust. TIH & tag @ 3051', 10' of fill. CO fill from 3051' to 3061' (TD), recovering gas, light water, and coal (Size 4 diminishing to size 1). PU to 2807'. Surging well naturally @ 750#, recovering gas, light water and coal (1). TIH & tag @ 3056', 5' of fill. CO fill from 3056' to 301' (TD), recovering gas, light water and coal (Size 3 diminishing to size 1).

12-01-1997 CO fill from 3056' to 301' (TD), recovering gas, light water and coal (1). Dry well w/ air @ 1800 SCF/M for 1/2 Hr. RD power swivel. TOO H, laying down 3-1/2" 87-Jts 13.30# Gr 'E' DP, 12 4-3/4" DC's and 6-1/8" bit. Change pipe rams, elevators and stripping rubber. RU power tongs. RIH w/ 2-3/8" Expendable Check (0.71") w/ half mule-shoe, 1-Jt 2-3/8" 4.7# J-55 8rd EUE Tbg (31.04'), 2-3/8" Std API SN (1.10'), on 89-Jts 2-3/8" 4.7# J-55 8rd EUE Tbg (2761.48'). ND Grant stripping head. Land 2-3/8" Tbg string, EOT @ 2806', SN @ 2774'. Run-in lock-downs, secure tbg hanger. ND 7-1/16" BOP stacks. NU 2-1/16" 3M MV. Pump 7 Bbbs Wtr down tbg, drop ball, and pump out expendable check @ 1300# w/ air. RD Big 'A' rig #37.