

In Lieu of  
Form 2160-5  
(June 1990)

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

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. SF-078888
2. Name of Operator <del>WILLIAMS PRODUCTION COMPANY</del> Northwest Pipeline	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P. O. BOX 58900 MS 10317 SALT LAKE CITY, UTAH 84158-0900	7. If Unit or CA, Agreement Designation ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1530' FNL & 1790' FEL, SEC. 10, T31N, R4W	8. Well Name and No. ROSA UNIT #103
	9. API Well No.
	10. Field and Pool, or Exploratory Area UND. GALLUP/BASIN DAKOTA
	11. County or Parish, State RIO ARriba COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input 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 type="checkbox"/> Other _____
	<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.)

Abandonment procedure is amended as per attached.

RECEIVED  
OCT 20 1993  
OIL CON. DIV.  
DIST. 3

Verbal Approval 10-18-93

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

Signed STERGIE KATIRGIS SGK Title SR. PRODUCTION ENGINEER Date 10/18/93

(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

NMOOD

APPROVED  
OCT 18 1993  
DISTRICT MANAGER

October 13, 1993

Williams Production Company  
Rosa Unit #103 (G1/Dk)  
1530' FNL, 1790 FEL  
NE, Sec. 22, T31N, R4W  
Rio Arriba County, NM  
SF-078888

**Plugging & Abandonment Procedure**

**Approved 9-24-93      Proposed Changes**

- Step #4) Decrease cement under cement retainer at 8520' from 40 sxs (47 cf) to 22 sxs (26 cf); eliminate reference to 16 sxs (19 cf) inside because the 40 sxs above is sufficient with 100% excess.
- Steps #5, 7, 9, 11, and 13) Eliminate mud between cement plugs. The reservoir pressure in the formations being covered is normal and the hydrostatic pressure water is sufficient to contain.
- Step #6) Set cement retainer at 7500'. Decrease cement volume under the cement retainer from 150 sxs (177 cf) to 73 sxs (86 cf); eliminate reference to 49 sxs (58 cf) inside because the 73 sxs above is sufficient with 100% excess.
- Step #8) Decrease the plug interval from 6661' - 6044' (covers Point Lookout through the Cliff House) to 6144' - 6044' (Mesaverde top at 6094'); cement volume decreases to 12 sxs (14 cf).
- Step #10) Decrease the plug interval from 4152' - 3618' (covers entire Pictured Cliffs through the Fruitland) to 3944' - 3618' (PC top at 3894' and Fruitland top at 3668'); cement volume decreases to 36 sxs (43 cf).