

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-078770
2. Name of Operator WILLIAMS PRODUCTION COMPANY	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-4592	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 850' FSL & 850' FWL, SW SW SEC 27-31N-5W	8. Well Name and No. ROSA 112Y
	9. API Well No. 30-039-23705
	10. Field and Pool, or Exploratory Area BASIN DAKOTA/LAGUNA-SECA GAL
	11. County or Parish, State RIO ARRIBA COUNTY, 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	<input checked="" type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<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.)\*

Williams Production Company plans to plug and abandon this well in September, as per the attached procedure.

Please process as soon as possible. We would like to proceed with this work prior to seasonal closures of the Rosa Unit. This well is on the National Forest surface.

RECEIVED  
SEP 20 11:44  
070 TULSA, OK

RECEIVED  
OCT - 2 1996  
OIL CON. DIV.  
DIST. 3

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

Larreen Kimbrel  
Signed LARREEN KIMBREL

SR. OFFICE ASSISTANT Date September 16, 1996

(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

SEP 19 1996

NMOCF

## PLUG & ABANDONMENT PROCEDURE

9-8-96

**Rosa Unit #112 Y**  
Gallup / Dakota  
SW, Sec. 27, T31N, R5W  
Rio Arriba County, New Mexico

**Note:** All cement volumes use 100% excess outside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM, and Williams safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP, test.
2. PU 2-3/8" tubing work string workstring with saw tooth collar. RIH and tag fill at approximately 3000'. Rig up power swivel and pit; build sufficient gel mud with a 45 vis to circulate the well. Wash out to top of fish at approximately 3167', circulate clean.
3. Plug #1 (Gallup perforations, Mesaverde, Pictured Cliffs and Fruitland tops, 7680' - 2950'): PU 4-1/2" cement retainer and RIH; set at 2950'. Load casing with water and attempt to pressure test. Establish rate below retainer into Gallup perforations. Mix and pump 50 sxs Class B cement, then 175 sxs Class B with 3% sodium metasilicate ( yield 2.6 cf/sx) and then 50 sxs Class B neat under the retainer at 2950' (total cement volume 632 cf, approximately 50 % excess); monitor casing while pumping, may need to shut in. Sting out of retainer and POH to 2800'. Reverse circulate well clean. POH with setting tool. WOC overnight.
4. Plug #2 (Ojo Alamo top, 2940' - 2840'): If 4-1/2" casing has not tested, then attempt test to 500#. Perforate 3 or 4 squeeze holes at 2950'. If casing tested, attempt to establish rate into squeeze holes. PU 4-1/2" cement retainer and RIH; set at 2900'. Establish rate into squeeze holes. Mix and pump 51 sxs Class B cement, squeeze 39 sxs cement outside casing and leave 12 sxs cement inside 4-1/2" casing over Ojo Alamo. POH to 1870'.
5. Plug #3 (Nacimiento, 1870' - 1770'): Spot a balanced plug with 12 sxs Class B cement inside 4-1/2" casing over Nacimiento top. POH to 473'.
6. Plug #4 (Surface casing shoe, 473' - 373'): Spot a balanced plug with 12 sxs Class B cement inside 4-1/2" casing over casing shoe. POH and LD tubing.
7. Plug #5 (Surface): Perforate 2 squeeze holes at 210'. Establish circulation out bradenhead valve and intermediate valve. Mix approximately 140 sxs Class B cement and pump down 4-1/2" casing, circulate good cement out bradenhead valve and out intermediate valve. Shut in well and WOC.
8. ND BOP and cut wellhead off below surface casing. Install P&A marker with cement to comply with regulations. RD, Move off location, cut off anchors, and restore location.

# Rosa Unit #112 Y

## Current

Dakota / Gallup

850' FSL, 850' FWL

SW Section 27, T-31-N, R-5-W, Rio Arriba County, NM

Today's Date: 9/8/96

Spud: 5/9/85

Completed: 7/14/85

Elevation: 6793' KB

17-1/2" Hole

Top of Cmt @ 220' (T.S.)

13-3/8" 54.5# Csg set @ 423'  
600 sxs cement (Circulated to Surface)

### WORKOVER HISTORY:

Aug '95: Attempt to pull tubing, stuck.

Jun '96: Tbg stuck, unable to get wireline tools below 2971'; back off tubing at 2961'; found tbg parted; last 300' tbg was full of holes and paper thin; washed over tbg stub, cut and pulled 6 jts; top of fish at 3167'; unable to get below 3020' with washover pipe, heavy scale and cement in returns.

Nacimiento @ 1820'

Ojo Alamo @ 2900'

Kirtland @ 3079'

Fruitland @ 3392'

Pictured Cliffs @ 3665'

2-3/8" Tubing parted at @ 3167'  
(with bad casing and fill above)

DV tool @ 5497'  
Cmt w/ 1888 cf

Top of Cmt @ DV tool

Mesaverde @ 5800'

Gallup @ 6974'

Gallup Perforations:  
7320' - 7680'

Uni-Packer VI @ 7789'

Dakota @ 8290'

Dakota Perforations:  
8290' - 8420'

PBTD 8500'

7-7/8" Hole

4-1/2" 11.6# N-80 casing set @ 8546'  
Cmt w/ 1387 cf

TD 8546'

# Rosa Unit #112 Y

Proposed P & A

Dakota / Gallup

850' FSL, 850' FWL

SW Section 27, T-31-N, R-5-W, Rio Arriba County, NM

Today's Date: 9/8/98

Spud: 5/9/85

Completed: 7/14/85

Elevation: 6793' KB

17-1/2" Hole

Nacimiento @ 1820'

Ojo Alamo @ 2900'

Kirtland @ 3079'

Fruitland @ 3392'

Pictured Cliffs @ 3665'

Mesaverde @ 5800'

Gallup @ 6974'

Dakota @ 8290'

7-7/8" Hole

PBTD 8500'

TD 8546'

Plug #5 210' - Surface  
Cement with 140 sxs Class B

Perforate @ 210'

Top of Cmt @ 220' (T.S.)

13-3/8" 54.5# Csg set @ 423'  
600 sxs cement (Circulated to Surface)

Plug #4 473' - 373'  
Cement with 12 sxs Class B

Plug #3 1870' - 1770'  
Cement with 12 sxs Class B

Plug #2 2940' - 2840'  
Cement with 51 sxs Class B,  
39 sxs outside casing and  
12 sxs inside.

Cement Rt @ 2900'

Perforate @ 2940'

Cement Rt @ 2950'

2-3/8" Tubing parted at @ 3167'  
(clean out fill above tubing stub)

Plug #1 7680' - 2950'  
Cmt with 100 sxs Class B,  
175 sxs w/3% SMC  
(yield-2.6 cf/sx) and 50 sxs  
B; total 632 cf, 50% excess.

DV tool @ 5497'  
Cmt w/ 1888 cf

Top of Cmt @ DV tool

Gallup Perforations:  
7320' - 7680'

Uni-Packer VI @ 7789'

Dakota Perforations:  
8290' - 8420'

4-1/2" 11.6#, N-80 casing set @ 8546'  
Cmt w/ 1387 cf