

Form 3160-5  
(August 1999)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000SUNDRY NOTICES AND REPORTS ON WELLS  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		2. Lease Serial No. SF-078892
2. Name of Operator WILLIAMS PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 316, IGNACIO, CO 81137	3b. Phone No. (include area code) (970) 563-3332	7. If Unit or CA/Agreement, Name and/or No. ROSA UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1820' FNL, 1210' FEL SECTION 14, T-31N, R-04W		8. Well Name and No. ROSA UNIT #104
		9. API Well No. 30-039-23530
		10. Field and Pool, or Exploratory Area UNDES GALLUP
		11. County or Parish, State RIO ARRIBA, NEW MEXICO

## 12. 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 type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

WILLIAMS PRODUCTION COMPANY INTENDS TO PLUG AND ABANDON THE ABOVE WELL AS PER PROCEDURES ATTACHED.

DUE TO RIG AVAILABILITY AND FOREST RESTRICTIONS FOR THE WINTER MONTHS WORK IS NOT SCHEDULED TO BEGIN UNTIL MIDDLE TO LATE APRIL, 2002.

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

Name (Printed/Typed)

Stern Katagis

Title

Senior Petroleum Engineer

Signature

Stern Katagis

Date

6/4/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

6/12/01

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

## PLUG AND ABANDONMENT PROCEDURE

ROSA UNIT #104  
GALLUP  
SEC. 14, T31N, R4W  
RIO ARRIBA, NEW MEXICO

NOTE: ALL CEMENT VOLUMES USE 100% EXCESS OUTSIDE PIPE AND 50 FT. EXCESS INSIDE PIPE. THE STABILIZING WELLBORE FLUID WILL BE 8.3 ppG, SUFFICIENT TO BALANCE ALL EXPOSED FORMATION PRESSURES.

1. INSTALL AND TEST RIG ANCHORS. PREPARE BLOW PIT. COMPLY WITH ALL BLM AND WILLIAMS PRODUCTION CO. SAFETY RULES AND REGULATIONS. MOL AND RU DAYLIGHT PULLING UNIT. CONDUCT SAFETY MEETING FOR ALL PERSONNEL ON LOCATION. NU RELIEF LINE AND BLOW DOWN WELL; KILL WITH WATER AS NECESSARY.
2. ND WELLHEAD AND NU BOP AND STRIPPING HEAD; TEST BOP. POH AND TALLY 7690' OF 2 3/8" TUBING, VISUALLY INSPECT THE TUBING. IF NECESSARY LD TUBING AND PU WORK STRING.
3. **PLUG #1 (GALLUP, 7090' - 7804'); RIH WITH 4 1/4" GAUGE RING TO 7350'. PU AND RIH WITH 4 1/2" RETAINER AND SET AT 7332'. CIRCULATE HOLE WITH WATER AND PRESSURE TEST CASING TO 500 PSI. ESTABLISH INJECTION RATE INTO PERFORATIONS WITH WATER. MIX 75 SX CL. B CEMENT PLUG AND PLACE 53 SX BELOW AND 22 SX ABOVE RETAINER. PUH TO 5942'.**
4. **PLUG #2 (MESAVERDE, 5842' - 5942'); BALANCE 11 SX CL. B CEMENT PLUG INSIDE CASING. PUH TO 3723'.**
5. **PLUG #3 (OJO ALAMO, KIRTLAND, FRUITLAND, PICTURE CLIFFS, 3024' - 3723'); BALANCE 52 SX CL. B CEMENT PLUG INSIDE CASING. PUH TO 1639'.**
6. **PLUG #4 (NACIMIENTO, 1539' - 1639'); BALANCE 11 SX CL. B CEMENT PLUG INSIDE CASING. POH.**
7. **PLUG #5 (SURFACE, SHOE, 0' - 464'); RIH WITH WIRELINE AND PERFORATE SQUEEZE HOLES AT 464'. ESTABLISH CIRCULATION TO SURFACE OUT THE BRADON HEAD. MIX APPROXIMATELY 294 SX CL. B CEMENT TO CIRCULATE GOOD CEMENT TO SURFACE.**
8. ND BOP, DIG CELLAR, AND CUT OFF WELL HEAD BELOW SURFACE CASING FLANGE. INSTALL DRY HOLE MARKER. RD, MOL AND CUT OFF ANCHORS. RESTORE LOCATION PER BLM STIPULATIONS.

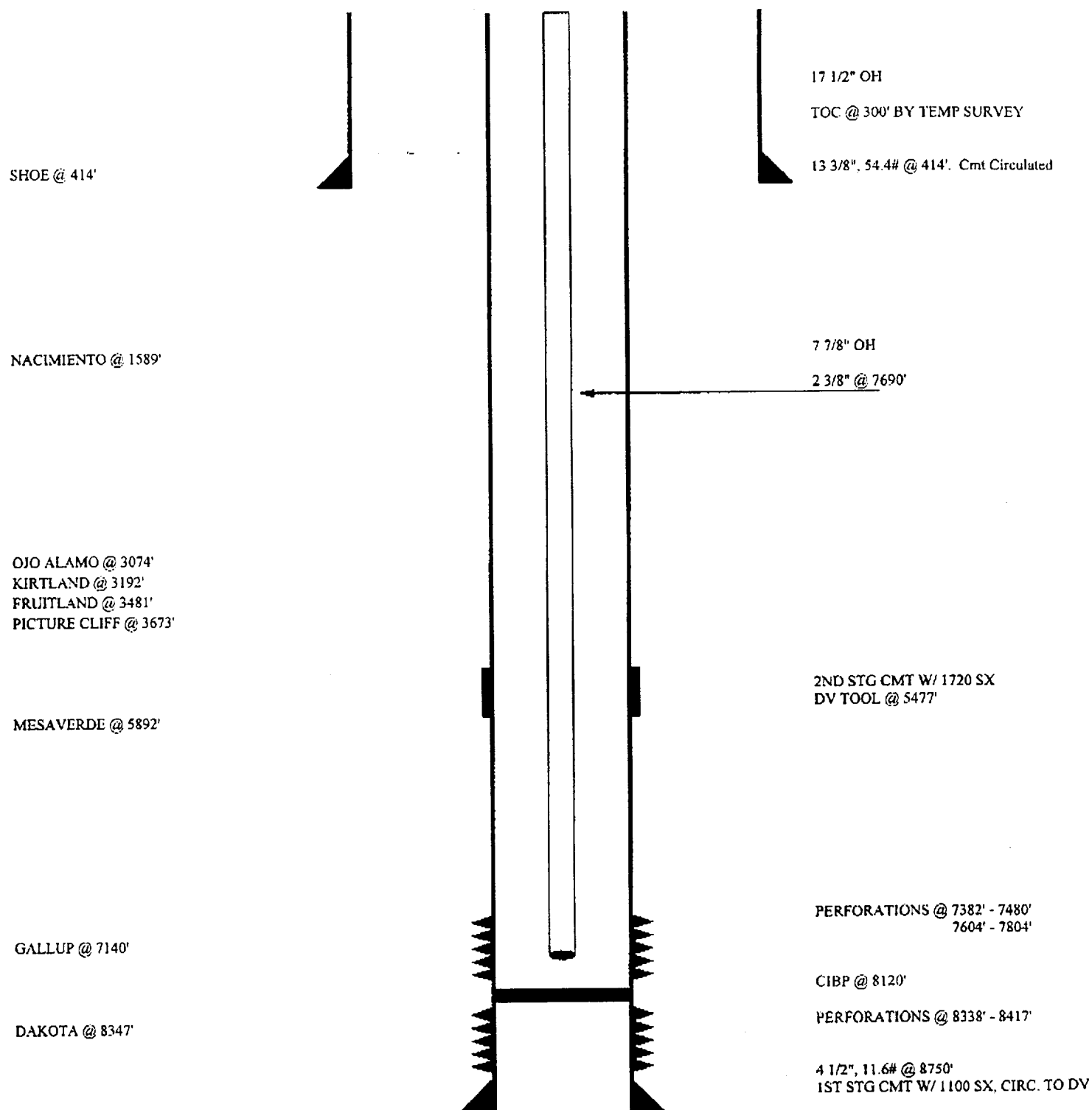
Today's Date: 05-31-01

**ROSA UNIT #104**

GALLUP

CURRENT

SEC. 14, T31N, R4W



Today's Date: 05-31-01

**ROSA UNIT #104**

GALLUP

PURPOSED

SEC. 14, T31N, R4W

SHOE @ 414'

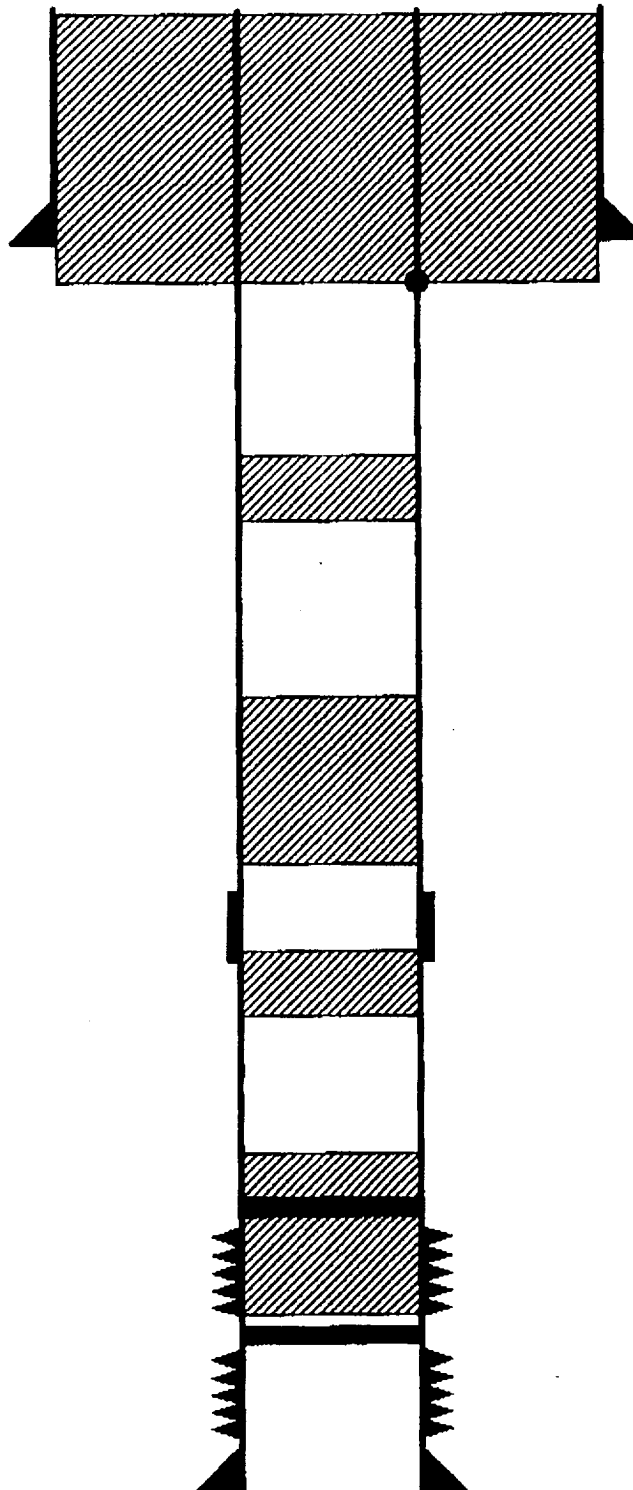
VACIMIENTO @ 1589'

DJO ALAMO @ 3074'  
 KIRTLAND @ 3192'  
 RUTLAND @ 3481'  
 PICTURE CLIFF @ 3673'

MESAVERT @ 5892'

GALLUP @ 7140'

DAKOTA @ 8347'



PLUG #5 (0' - 464'), CMT W/ 294 SX

17 1/2" OH

TOC @ 300' BY TEMP SURVEY

13 3/8", 54.4# @ 414'. Cmt Circulated

PERFORATE @ 464'

7 7/8" OH

PLUG #4 (1539' - 1639'), CMT W/ 11 SX

PLUG #3 (3024' - 3723'), CMT W/ 52 SX

2ND STG CMT W/ 1720 SX  
 DV TOOL @ 5477'

PLUG #2 (5842' - 5942'), CMT W/ 11 SX

PLUG #1 (7090' - 7804'), CMT W/ 75 SX

RETAINER @ 7332'

PERFORATIONS @ 7382' - 7480'  
 7604' - 7804'

CIBP @ 8120'

PERFORATIONS @ 8338' - 8417'

4 1/2", 11.6# @ 8750'  
 1ST STG CMT W/ 1100 SX, CIRC. TO DV