

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY 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<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other |   | 5. Lease Serial No.<br>SF-078763                             |
| 2. Name of Operator<br>Williams Production Company   |   | 6. If Indian, Allottee or Tribe Name                         |
| 3a. Address<br>P.O. Box 316 - Ignacio, CO 81137  | 3b. Phone No. (include area code)<br>970/563-3300 | 7. If Unit or CA/Agreement, Name and/or No.<br>Rosa Unit     |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br>Sec. 9, T31N, R5W<br>820' FSL, 960' FWL                |   | 8. Well Name and No.<br>45                                   |
|  |   | 9. API Well No.<br>300392301300                              |
|  |   | 10. Field and Pool, or Exploratory Area<br>Blanco Mesa Verde |
|  |   | 11. County or Parish, State<br>Rio Arriba County, NM         |

**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 checked="" 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 recompletion 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 plans to plug back the Mesa Verde, sidetrack higher up and cavitate the Fruitland Coal zone. Estimated start date is April 9, 2001 per attached procedure.

Basin Fruitland coal  
W/2-320

They will send a  
plat - I called  
3-20-1 SA



2001 MAR 14 PM 2:28

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Lance A. Hobbs

Title Sr. Production Engineer

Signature

*Lance A. Hobbs*

Date

March 12, 2001

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date 3/16/01

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.

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.

3/12/01

WILLIAMS PRODUCTION COMPANY  
PLUGBACK MV, SIDETRACK & CAVITATION PROGNOSIS  
ROSA #45

Purpose: To plugback the MesaVerde, sidetrack higher up and cavitate the Fruitland Coal zone.

1. Notify BLM 24 hours to moving in.  
Notify mud loggers;  
Notify Dante Vescovi with TIW to run two liners at end of job.  
Order 5-1/2" liner.  
Order 4" Flush Joint (Ron Cochran). 6 joints total; 3 jts perfed at 4 holes/ft. 40' Minimum
2. MIRUSU. Nipple up pneumatic actuated BOPs, 2 blooie lines, pneumatic working valves and 2 - 7" blooie lines. Anchor blooie lines securely. Test BOPs. Fill rig tank with produced water. Do not filter water unless necessary.
3. Rig up air package, 1800 cfm minimum at 2000 psi.
4. TOOH w/ 2-3/8" tubing, RU 4-1/2" retainer, and TIH with 2'3/8" tubing.
5. Set 4-1/2" retainer at 5630' (20' above Cliff House) and cement MesaVerde formation with 45 sacks of Type III cement (Yield 1.32 ft<sup>3</sup>/sk)
6. Sting out of retainer and pump an additional 5 sacks of Type III cement in 4-1/2" liner. This should fill ~75' of liner to a height of 5555'.
7. TOOH w/ 2-3/8" tubing and LD.
8. Run CBL across proposed kick off point (2650').
9. Set CIBP in 7" above a casing collar in good cmt at 2650'. This will be the kick off point.

Objective

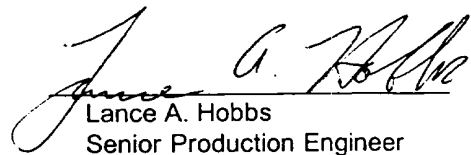
KICK OFF INSIDE 7" CASING. DRILL TO TVD = 3448' (estimated bottom of basal coal)  
LAND 5-1/2" CASING FROM 7" SIDETRACK TO TD ABOVE COALS (~3285'). DRILL OUT TO TD.  
LAND 4" FLUSH JOINT LINER FROM 5-1/2" (~ 3285') SIDETRACK TO TD.  
REVIEW PROCEDURE WITH ENGINEERING PRIOR TO RUNNING TOOLS.

7. Pick up whipstock(anchorstock) slide assembly, starter mill, watermellon mill, and set on CIBP. TIH with 3-1/2" DP, 4-3/4" Drill Collars and one joint high grade drill pipe below drill collars to BP. Refer to manufacturer's specs for all recommended milling weights, number of drill collars and RPM.
8. Shear off from slide assembly. Approximately 45,000 psi over drag weight. Begin milling with starter mill. Mill as per manufacturer's recommended procedure. Circulate with water.
  - a. Run 6-1/4" starter mill with joint of high grade drill pipe, S-135, below drill collars. Drill approx. 16".
  - b. Run window mill with joint of drill pipe below drill collars. Mill length of whip face plus 10' into formation.
  - c. Run window mill and watermellon mill on drill collars. Make several passes through window to clean up burrs. Ream until smooth with no drag.
9. Drill with water. **Try to straighten hole to vertical at bottom.** TOH.

10. Do not rotate a bit or stabilizer down the whip face.
11. TIH with 4-3/4" bit, near bit stabilizer and drill collars. Drill enough hole depth to pass the BHA through window. TOH.
12. TIH with 6-1/8" bit and BHA. Continue normal drilling operations to TVD of ~3285'; 20' above upper coals. Use mud loggers to determine TD. TOH.
13. RIH with ~725' of 5-1/2", 15.5#, K-55 liner to bottom. Hang with 75' overlap in 7" using TIW hanger.
14. Cement liner with 50 sx 100% excess Type III cement. W O cmt 12 hrs.
15. Pick up 4-3/4" bit and drill to TVD of 3448'. Use mud logger to identify coals and to determine TD (bottom of basal coal ~3448').
16. Underream open hole to 8-1/2" from 5-1/2" shoe to TD. TOH

#### 17. CAVITATION

18. Run 5 to 10 bbl sweeps using 1 GPB soap if necessary.
19. PU bit inside 7" casing. Pressure up hole to 2500 psi (maximum pressure) then open to atmosphere. Repeatedly surge well. SI for buildup after surging about 5 times.
20. Record any breaks. Record accurate buildup pressure and pitot gauges after each cycle. Repeat until gas production no longer increases, 2 – 3 weeks.
21. TOH w/ bit and DP.
22. Notify Dante Vescovi with TIW to run liner.
23. PU pre drilled 4", 11#, Atlas Bradford FL-4S flush joint liner (or equivalent) on DP. Run in with JGS liner hanger with left hand threads and L A set shoe on bottom of liner. Rotate down if necessary. Land liner @ 3448' with 75' overlap in 5-1/2". TOOH w/ DP and LD.
24. 4" Flush Jt liner as follows: 6 jts total. 1<sup>st</sup> jt (bottom) perfed. 2<sup>nd</sup> joint not perfed. 3<sup>rd</sup> jt perfed. 4<sup>th</sup> jt perfed. 5<sup>th</sup> jt not perfed. 6<sup>th</sup> jt not perfed.
25. TIH w/ mill and mill out aluminum plugs.
26. PU 2-3/8", 4.7#, J-55, 8rd, EUE tbg and and TIH. Land tubing @ 3410'.
27. ND BOP and NU wellhead. Shut well in for buildup.
28. Clean up location and release rig.

  
 Lance A. Hobbs  
 Senior Production Engineer

# ROSA UNIT #45

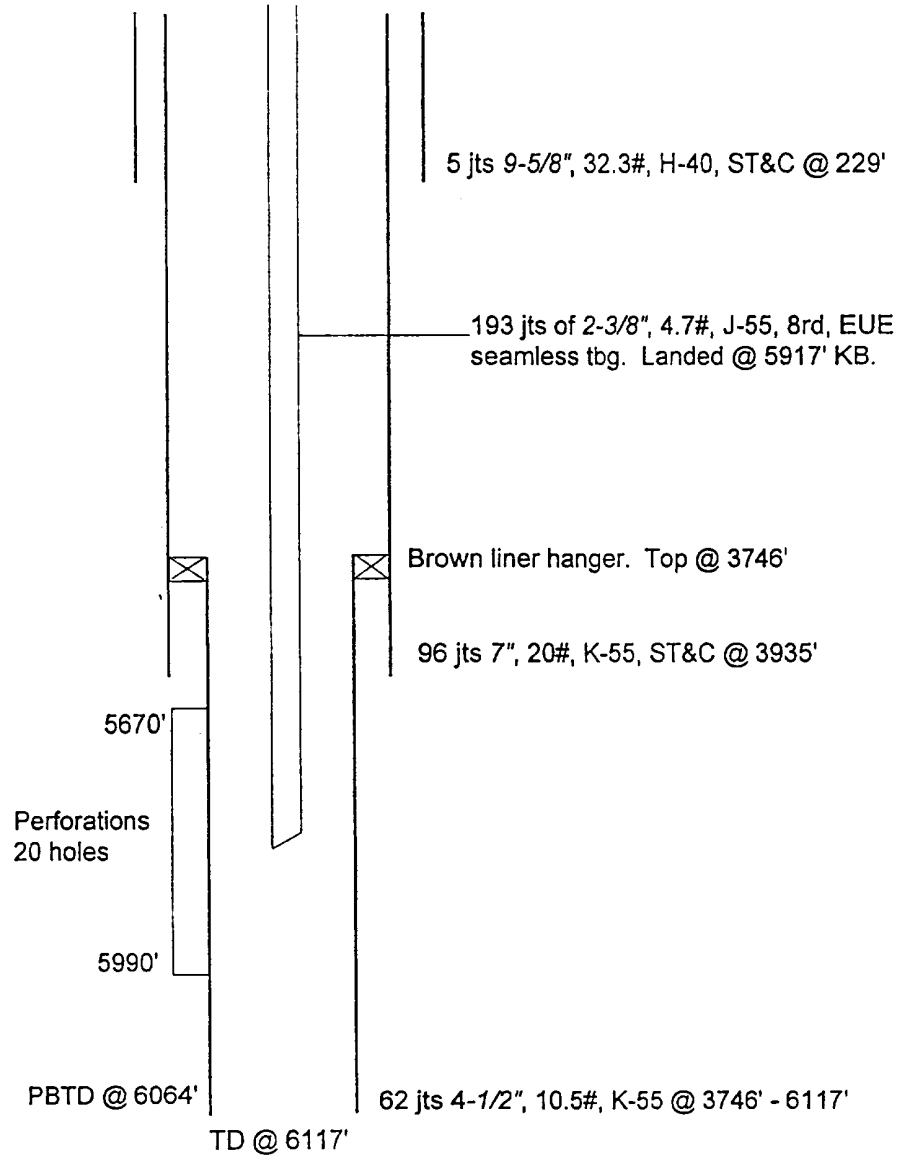
## BLANCO MESAVERDE

820' FSL 960' FWL  
SW/4 SW/4 SEC 9 T31N R5W  
Ria Arriba Co, NM

Elevation: 6558' KB  
KB 14'

Drilled in 1982

Ojo Alamo 2642'  
Kirtland 2794'  
Fruitland 3273'  
Pictured Cliffs 3405'  
Lewis 3733'  
Cliff House 5650'  
Menefee 5696'  
Point Lookout 5876'



### Frac Data

80,000# 20/40 sand and  
70,770 gals fluid

| HOLE SIZE | CASING       | CEMENT | TOP OF CMT |
|-----------|--------------|--------|------------|
| 13-3/4"   | 9-5/8" 32.3# | 190 sx | SURFACE    |
| 8-3/4"    | 7" 20#       | 185 sx | 2100' Temp |
| 6-1/4"    | 4-1/2" 10.5# | 235 sx | 3746'      |