

State of New Mexico  
Energy, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
PO Box 2088  
Santa Fe, New Mexico 87504-2088  
**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

FORM APPROVED  
Form C-103  
Revised 1-1-89

SUBMIT IN TRIPLICATE		5. Lease Designation and Serial No.
		6. If Indian, Allottee or Tribe Name
		7. If Unit or CA, Agreement Designation Rosa
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 #310	
2. Name of Operator Williams Production Company, LLC	9. API Well No. 30-039-24863- ✓	
3. Address and Telephone No. C/O Walsh Engineering & Production Corp. 7415 East Main Farmington, NM 87402 505-327-4892	10. Field and Pool, or Exploratory Area Basin Fruitland Coal	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) N 1245' FSL & 1850' FWL, Sec. 26 T31N, R4 W	11. County or Parish, State Rio Arriba, NM.	

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 checked="" type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other see below
	<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.)\*

Williams Production Company, LLC intends to re-enter the Rosa #310 and complete as a horizontal coal well as per the attached operations plan. The bottom hole location at TD is planned to be 1836.38' FNL & 660' FWL.

Attached: Operations plan, Directional plan & well bore schematic.

Received  
OCD-1/28/02  
#3

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

Signed John C. Thompson Title Agent/Engineer Date 08/27/02

(This space for Federal or State office use)

Approved by Stan Hays Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date AUG 28 2002  
Conditions of approval, if any:

TIGHT HOLE



TIGHT HOLE

## WILLIAMS PRODUCTION COMPANY

### DRILLING PLAN

(Note: This procedure will be adjusted on site based upon actual conditions)

<b><u>DATE:</u></b>	8/22/2002	<b><u>FIELD:</u></b>	Basin Fruitland
<b><u>WELL NAME:</u></b>	Rosa Unit # 310	<b><u>SURFACE:</u></b>	Forest
<b><u>SURFACE LOCATION:</u></b>	SE/4 SW/4 Sec. 26-T31N-R4W Rio Arriba, NM	<b><u>MINERALS:</u></b>	Federal
<b><u>ELEVATION:</u></b>	6,892' (GL)	<b><u>LEASE #</u></b>	
<b><u>TOTAL DEPTH (MD):</u></b>	5,970 ft.		

#### **I. GEOLOGY:** Surface formation - San Jose

##### **A. FORMATION TOPS:** ( KB)

	<b><u>MD</u></b>
Ojo Alamo	3,151'
Kirtland Sh	3,278'
Fruitland cl	3,526'
Pictured Cliffs ss	3,701'

**Total Depth:** 5,970'

**B. MIRU Completion Unit.** POOH with 2-3/8" Tubing.

**C. LOGGING PROGRAM:** PULSE / Neutron / GR (selected intervals by on-site Geologist). *Subject to change as wellbore conditions dictate.*

**D. Run cased hole logs as described above, also run a CBL / CCL / GR across interval (3,375' - 2,500') or minimum charge run. Run 7" casing scraper on 2-3/8" Tbnng. Set CIBP at top of 4-1/2" Liner, spot +/- 50ft. of cement on top of CIBP. (NOTE): Run 7" casing scraper on 2-3/8" Tbnng. several times across interval selected from CBL to set Whipstock for cutting window in 7" Casing. Also set plug across top of PC**

**E. LD 2-3/8" Tbnng. RDCU.**

#### **II. DRILLING**

**A. MIRURT, Aztec # 124. RIH and orientate Weatherford Whip-Back type whipstock. Set Whipstock at selected interval after evaluating CBL for cmt quality and CCL location.**

**B. MUD PROGRAM:** LSND mud to cut window in 7 in. casing and drill Build section of well. ( Directional Plan attached. )

- B. **BOP TESTING:** While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the rams will be tested to 1500 psi. The drum brakes will be inspected and tested each tour. All tests, inspections and SPR's will be recorded in the tour book as to time and results.

### III. **MATERIALS**

#### A. **CASING PROGRAM:**

<u>CASING STRING</u>	<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CASING SIZE</u>	<u>WT. &amp; GRADE</u>
Surface	12-1/4"	225'	9-5/8"	36# K-55
Intermediate Casing	8-3/4"	3,570'	7"	23# K-55
Intermediate Liner	6-1/2"	~3,950'	5 1/2"	15.5# K-55
Prod. Casing	4-3/4"	~3,150' - 5,970'	3-1/2"	# N-80

#### B. **FLOAT EQUIPMENT:**

1. **SURFACE CASING:** 9-5/8" already set.
2. **INTERMEDIATE CASING:** 7" already set.
3. **INTERMEDIATE LINER:** 5-1/2" whirler type cement nose guide shoe with a float collar on top of the Bottom Joint. (no centralizers)
4. **PRODUCTION LINER:** 3-1/2" Bull Nose Guide Shoe

#### C. **CEMENTING:**

*(Note: Volumes may be adjusted onsite due to actual conditions)*

1. **SURFACE:** 9-5/8" already set.
2. **INTERMEDIATE:** 7" already set.
3. **INTERMEDIATE LINER:** 20 bbls of gelled water, 20 bbls Mud Clean II +10 bbls Water, then +/- 75 sks of Premium Light High Strength + 1% FL-52 + .3% CD-32 + 2% KCl + 1/4 #/sk celloflake.
4. **PRODUCTION CASING:** No Cementing.

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Gary C. Sizemore  
Sr. Drilling Engineer