

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 03 2008

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use APPLICATION TO DRILL for permit for such proposals.

Bureau of Land Management  
Farmingdale Field Office

Lease Designation and Serial No  
NMSF-078763

SUBMIT IN TRIPLICATE		6.	If Indian, Allottee or Tribe Name N/A
		7.	If Unit or CA, Agreement Designation Rosa Unit
1.	Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	8.	Well Name and No Rosa Unit #350A
2.	Name of Operator WILLIAMS PRODUCTION COMPANY	9.	API Well No 30-039-29789
3.	Address and Telephone No. PO BOX 640 Aztec, NM 87410-0640	10.	Field and Pool, or Exploratory Area Basin Fruitland Coal
4.	Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface: 615' FNL & 15' FWL / BHL 680' FNL & 680' FWL Sec. 10, T31N, R5W	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 checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input checked="" 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, LLC. plans to change this well from a horizontal drill to directional cavitation as per attached plat, directional plan and drilling plan.

**NOTE:** This sundry is being amended to include drill out, underreaming and completion information per attached operations plan.

- P.C. non-prod.; sump request granted 7/14/08 -CEH.

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

RCVD JUL 17 '08

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

Signed Larry Higgins  
Larry Higgins

Title Drilling COM

Date 7-3-08

OIL CONS. DIV.

DIST. 3

(This space for Federal or State office use)

Approved by Troy L. Salyers

Title PE

Date 7-15-08

Conditions of approval, if any:

NMOCD



## WILLIAMS PRODUCTION COMPANY

### Operations Plan

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

**DATE:** 6/30/2008

**WELLNAME:** Rosa Unit #350A      **FIELD:** Basin Fruitland Coal

**BH LOCATION:** NWNW Sec. 10-T31N-R5W      **SURFACE:** USFS

**SURF LOCATION:** NWNW Sec 10-T31N-R5W  
Rio Arriba, NM      **MINERALS:** BLM

**ELEVATION:** 6,683' GR      **LEASE #** SF-078763

**TOTAL DEPTH:** 3,685'

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

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

NAME		TVD	MD		NAME		TVD	MD
San Jose		Surface	Surface		Top Coal		3,362	3,465
Nacimiento		1,547	1,553		Bottom Coal		3,462	3,575
Ojo Alamo		2,807	2,861		Pictured Cliffs		3,462	3,575
Kirtland		2,917	2,879		TD		3,562	3,685
Fruitland		3,277	3,371					

**B. LOGGING PROGRAM:** None

**C. NATURAL GAUGES:** Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

**D. MUD LOGGING PRORAM:** Mud logger will be on location at drill out below 7" casing to TD.

**II. DRILLING**

**A. MUD PROGRAM:** Clear water with benex to 7" casing point. Treat for lost circulation as necessary. Expect 100% returns prior to cementing. Notify Engineering of any mud losses. If coal is detected before 3,442', **DO NOT** drill deeper until Engineering is contacted.

**B. DRILLING FLUID:** Coal section will be drilled with Fruitland Coal water.

- C. 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 BOPE will be tested to **250 psi (Low) for 5 minutes** and **1500 psi (High) for 10 minutes**. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be inspected and tested each tour. **All tests and inspections will be recorded in the tour book as to time and results.**

### III. MATERIALS

#### A. CASING PROGRAM:

CASING TYPE	OH SIZE (IN)	DEPTH (MD) (FT)	CASING SIZE (IN)	WEIGHT(LB)	GRADE
Surface	12 1/4	300	9 5/8	36	K-55
Intermediate	8 3/4	3,442	7	20	K-55
Liner	6 1/4	3,292 - 3,685	5 1/2	15.5	J-55

#### B. FLOAT EQUIPMENT:

- SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
- INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) Turbulent centralizer at 2,700 ft., 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. (NTL-FRA 90-1).
- PRODUCTION LINER / CASING: 5-1/2" cement nose guide shoe with insert float in shoe.. Open hole liner no cement.

#### C. CEMENTING:

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

- SURFACE: Use 160 sx (224 cu.ft.) of "Type III" with 2% CaCl<sub>2</sub> and 1/4# of cello-flake/sk (Yield = 1.41 cu.ft./sk, Weight = 14.5 #/gal.). **Use 120% excess** to circulate the surface. WOC 12 hours. Total volume = 206 cu.ft. Test to 1500#.
- INTERMEDIATE: Lead - 455 sx (946 cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl<sub>2</sub> and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail - 50 sx (70cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl<sub>2</sub> (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). **Use 100% excess in Lead Slurry** to circulate to surface **No excess in Tail Slurry**. Total volume = 1,016 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
- PRODUCTION LINER: Open hole completion. No cement.

IV. COMPLETION

A. PRESSURE TEST

1. Pressure test 7" casing to 1500# for 30 minutes.

B. DRILL OUT

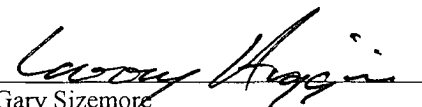
1. P/U 6-1/4" tri-cone bit and drill to TD
2. Underream hole with 9-1/2" underreamer to TD

C. CAVITATION

1. Cavitate well with reciprocation and rotation. Surge wells with water and air and then flow back. Cavitate for 2 to 3 weeks. Maximum pressure not expected to exceed 2,000 psi.

D. RUNNING TUBING

1. Fruitland Coal: Run 2-7/8", 6.5#, J-55, EUE tubing with a SN on top of bottom joint. Land tubing approximately 50' above TD.

  
for Gary Sizemore  
Sr. Drilling Engineer