

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

070 East

5. Lease Designation and Serial No.  
SF-078772

6. If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation  
Rosa Unit

Well Name and No.  
Rosa Unit No. 91B

9. API Well No.  
30-039-26684

10. Field and Pool, or Exploratory Area  
Blanco Mesaverde/Basin Dakota

11. County or Parish, State  
Rio Arriba, NM

SUBMIT IN TRIPLICATE

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
Williams Production Company

3. Address and Telephone No. C/O Walsh Engineering & Production Corp.  
7415 East Main, Farmington, NM 87402 505-327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
p- 1070' FSL & 295' FEL Sec 35, T31N, R6W

32N

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other See Below

- ☒ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ 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 proposes to drill and complete the Rosa Unit 91B as a Mesaverde/Dakota dual well as per the attached drilling and completion procedure. The well is currently permitted as a stand alone Mesaverde well. No changes on the surface will occur from this proposed change of plans.

Attached: New plat showing Mesaverde/Dakota and new drilling & completion procedure.

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

Signed

John C. Thompson

(John C. Thompson) Title

Agent/Engineer

Date 05/21/01

(This space for Federal or State office use)

Approved by

Title

Date

7/3/01

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

NMOCD



## WILLIAMS PRODUCTION COMPANY

### OPERATIONS PLAN

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

**DATE:** 6/22/2001

**WELL NAME:** Rosa #91B **FIELD:** Blanco MV/DK

**SURFACE LOCATION:** SE/4 SE/4 Sec. 35- T32N-R6W **SURFACE:** BLM  
Rio Arriba, NM

**ELEVATION:** 6325' GR **MINERALS:** BLM

**LEASE #** SF-078772

**MEASURED DEPTH:** 8137'

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

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

	<u>MD</u>		<u>MD</u>
Ojo Alamo	2362'	Mancos sh	6002'
Kirtland sh	2492'	Gallup ss	6972'
Fruitland cl	2927'	Greenhorn ls	7702'
Pictured Cliffs ss	3137'	Graneros sh	7757'
Lewis sh	3467'	Dakota ss	7887'
Cliff House ss	5362'		
Menefee	5407'		
Point Lookout ss	5607'	<b>Total Depth</b>	<b>8137'</b>

- B. LOGGING PROGRAM:** IND/GR/TEMP from TD to the Intermediate Casing Shoe. DEN/Neutron/GR (selected intervals by on-site Geologist). *Subject to change as wellbore conditions dictate.*
- C. NATURAL GAUGES:** Gauge any noticeable increases in gas flow. Gauge well @ 5800' and before TOH for logs @ 7954'. Record all gauges in Tour book and on morning reports.

#### **II. DRILLING**

- A. MUD PROGRAM:** Clear water with benex to 7" casing point. LSND to log and run pipe. Treat for lost circulation as necessary. Obtain 100% returns prior to cementing. Notify Engineering of any mud losses.
- B. BOP TESTING:** While drill pipe is in use, the pipe rams will be function tested not less than once each day. 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 TYPE</u>	<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CASING SIZE</u>	<u>WT. &amp; GRADE</u>
Surface	14-3/4"	+/- 500'	10-3/4"	32.75# H-40
Intermediate	9-7/8"	+/-3617'	7-5/8"	26.4# K-55
Prod. Casing	6-3/4"	+/- 8137'	5-1/2"	17.0# N-80

#### B. FLOAT EQUIPMENT:

1. SURFACE CASING: 10-3/4" notched regular pattern guide shoe. Run (1) Standard centralizer on each of the bottom (3) Joints.
2. INTERMEDIATE CASING: 7-5/8" cement nose guide shoe with a self- fill insert float. Place float one (1) joint above the shoe and five (5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120' intervals, starting at 1500' to the surface. Total centralizers (5 regular and 13 turbulent).
3. PRODUCTION CASING: 5-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' bottom joint. Place 20' marker joint on top of 10 th joint and one above 5100'.

#### C. CEMENTING:

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

1. SURFACE: Use 400sx (556cu.ft.) of class "Type III" with 2% CaCl<sub>2</sub> and 1/4# of cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5 #/gal.). 100% excess to circulate the surface. WOC 12 hours. Test to 1500#.
2. INTERMEDIATE: Lead: 580sx (1208cu.ft.) of class "Premium Lite" 65/35, Type III/Poz with 8% gel and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail: 250sx (376cu.ft.) of class "Type III" with 1/4# cello-flake/sk (Yield = 1.39 cu.ft./sk, Weight = 14.5#/gal.). 100% excess in lead and tail to circulate to surface. Total volume = 1552 cu.ft. WOC 12 hours. Run a temperature survey after 8 hours if cement is not circulated.
3. PRODUCTION STRING Lead: 300 sx (409 cu.ft.) of class 50/50, Poz/Class H with 4% gel, 2% kcl, 0.2% CD-32, 4.0% Phenoseal, 0.6% FL-50 and 1/4#/sk cello-flake. (Yield = 1.38 cu.ft./sk, Weight = 13.4 #/gal.). Tail: 100 sx (150 cu.ft.) of class "H" with 35% silica flour, 1.5% FL-62 ,0.3% CD-32, 0.2% A-2, and 1/4# cello-flake/sk, ( Yield = 1.50 cu.ft./sk, Weight = 15.9 #/gal.) Batch mix tail slurry. Displace cement at a minimum of 8 BPM. 50% excess in lead and tail. Total volume 579 cuft. WOC 12 hours. cuft. WOC 12 hours.

#### **IV COMPLETION**

##### **A. CBL**

1. Run Cement Bond Log across all intervals to be perforated and find Top of Cement behind all casing strings if cement not circulated to surface..

##### **B. PRESSURE TEST**

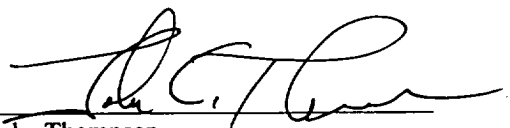
1. Pressure test 7 5/8" & 5-1/2" casing to 3300# for 15 minutes.

##### **C. STIMULATION**

1. Stimulate Dakota with approximately 70,000# of 20/40 sand in x-link foam.
2. Isolate Dakota with a RBP.
3. Stimulate Point Lookout with approximately 80,000# of 20/40 sand in slick water.
4. Isolate Point Lookout with a RBP.
5. Perforate the Menefee/Cliff House as determined from the open hole logs.
6. Stimulate with approximately 80,000# of 20/40 sand in slick water.
7. Test each zone before removing bridge plugs.

##### **D. RUNNING TUBING**

1. Dakota: Run 2-1/16", 3.25#, J-55, IJ tubing with 1/2 mule shoe on bottom , SN with pump-out plug on top of adeem joint and 5 Seal Units. Land tubing approximately 100' below top Dakota perf.
2. Mesa Verde: Run 2-3/8", 2.9#, J-55, EUE tubing with a SN (1.91" ID) on top of bottom joint. Land tubing approximately 25' above the bottom Point Lookout perforations.

  
John Thompson  
Walsh Engineering