

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUBMIT IN TRIPLICATE

RECEIVED

JUL 21 2011

Farmington Field Office  
Bureau of Land Management

1. Type of Well  
Oil Well Gas Well ☒ Other

2. Name of Operator  
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.  
PO Box 640 Aztec, NM 87410-0640 634-4208

4. Location of Well (Footage, Sec, T., R., M., or Survey Description)  
SURF 1670 FSL & 2000' FWL  
BHL: 925' FSL & 2451' FWL SEC 34 32N 6W

5. Lease Designation and Serial No.  
NMSF-078772

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
Rosa Unit

8. Well Name and No.  
Rosa Unit 129D COM

9. API Well No.  
30-039-30775

10. Field and Pool, or Exploratory Area  
BLANCO MV/BASIN DK/BASIN MC

11. County or Parish, State  
Rio Arriba, New Mexico

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

X Subsequent Report

Final Abandonment

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

X Other Reallocation

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 E&P has run Protechnic's Completion profiler tool for allocation purposes on the Rosa Unit #129D. Based on the results obtained, Williams proposes the following allocation:

Mesaverde	46%	278	Mcf/d
Mancos	18%	108	Mcf/d
Dakota	36%	214	Mcf/d
<b>Total</b>	<b>100%</b>	<b>600</b>	<b>Mcf/d</b>



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

Signed

Larry Higgins

Title Permit Supervisor

Date 7/21/11

(This space for Federal or State office use)

Approved by

Joe Hewitt

Title

Geo

Date 7-22-11

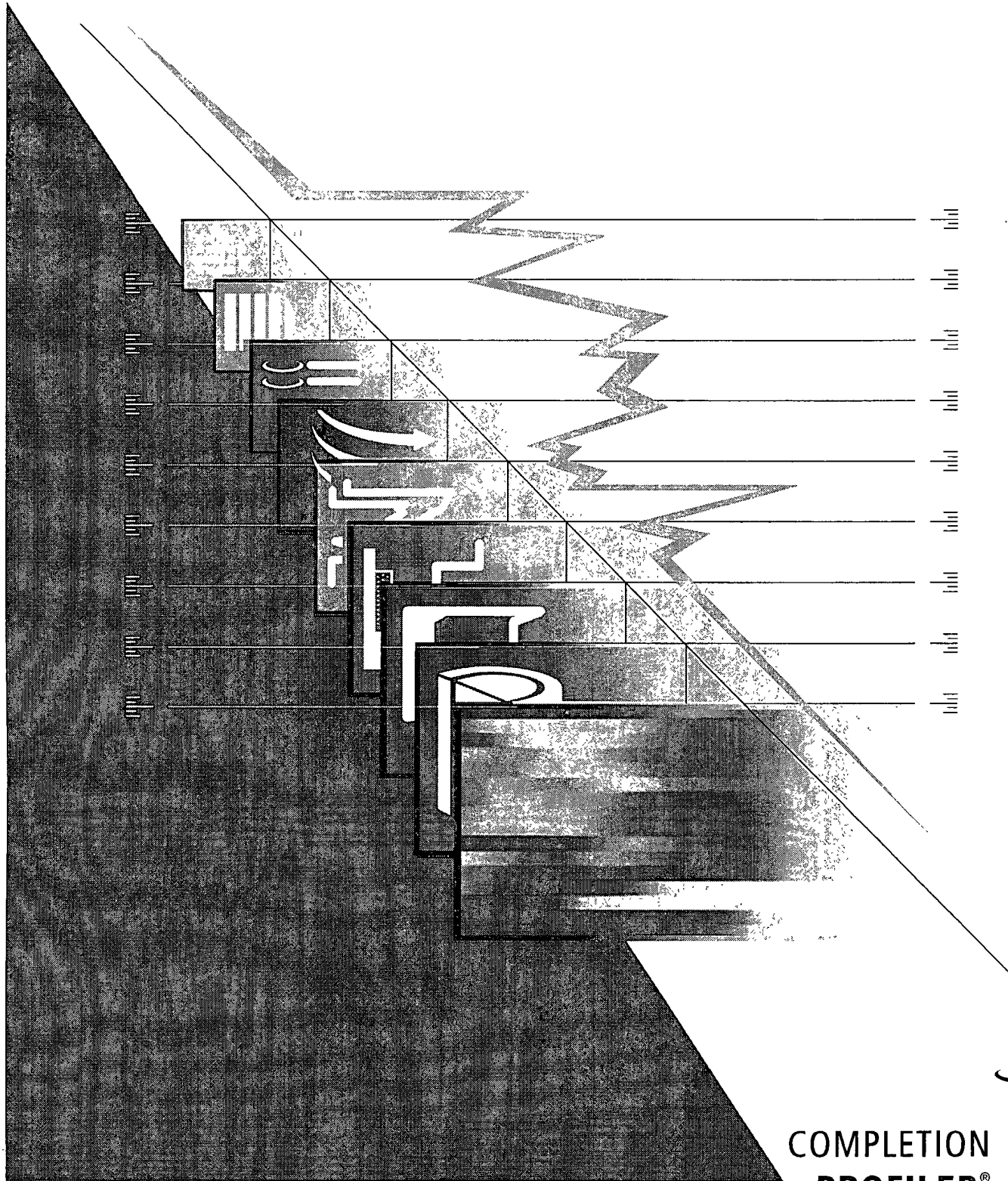
Conditions of approval, if any:

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

NMCCD

Ac

*Williams Production Company  
Rosa Unit #129D*



MEASURED SOLUTIONS



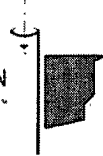
<i>Company</i>	<i>Williams Production Company</i>
<i>Well Name</i>	<i>Rosa Unit #129D</i>
<i>Field</i>	<i>Blanco Mesaverde/Basin Dakota</i>
<i>Location</i>	<i>Rio Arriba County, New Mexico</i>
<i>Customer Name</i>	<i>Michael Andrews</i>
<i>Date of Survey</i>	<i>June 16, 2011</i>
<i>Date of Analysis</i>	<i>June 21, 2011</i>
<i>Logging Engineer</i>	<i>Loren Healy</i>
<i>Analyst</i>	<i>Cole Hutchings</i>

*All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful misconduct on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.*



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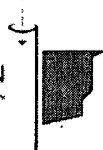
## *Survey Objectives*

- Identify the source of water production.
- Identify gas producing intervals.
- Quantitative production profile.

## *Logging Procedures*

Date	Time	Comment
06/16	14:50	Arrive on location
06/16	14:00	Gauge run start
06/16	14:45	Gauge run stop
06/16	15:16	Program Completion Profile String
06/16	19:41	Start GIH pass
06/16	19:56	Stop GIH pass
06/16	19:56	Start logging passes
06/16	20:41	Stop logging passes
06/16	20:41	Start out of well pass
06/16	20:56	Stop out of well pass
06/16	20:58	Start download
06/16	21:15	Stop download
06/16	21:15	Rig down

Interval Logged: [From 5,406 to 8,055 ft.]  
 60 ft/min  
 90 ft/min  
 150 ft/min



## Well Information

Casing: 5.50" 17.0 lb/ft surface to 8,091 ft PBD: 8,083 ft

Tubing: 2.38" 4.7 lb/ft surface to 5,074 ft

Perforations: 5,480; 5,482; 5,484; 5,486; 5,488; 5,490; 5,520; 5,522; 5,524; 5,526;  
5,528; 5,530; 5,532; 5,534; 5,536; 5,564; 5,566; 5,568; 5,570; 5,572;  
5,574; 5,576; 5,578; 5,580; 5,582; 5,584; 5,586; 5,588; 5,590; 5,592;  
5,594; 5,596; 5,598; 5,600; 5,602; 5,604; 5,608; 5,612; 5,616; 5,620;  
5,623; 5,626; 5,628; 5,630; 5,632; 5,634; 5,636; 5,638; 5,640;  
5,642 ft

(Stage 5 – Cliff House/Menefee)

5,773; 5,775; 5,777; 5,779; 5,781; 5,783; 5,785; 5,787; 5,789; 5,791;  
5,793; 5,795; 5,797; 5,799; 5,801; 5,803; 5,805; 5,807; 5,809; 5,822;  
5,824; 5,826; 5,828; 5,830; 5,835; 5,839; 5,842; 5,844; 5,846; 5,850;  
5,852; 5,854; 5,856; 5,867; 5,869; 5,872; 5,875; 5,877; 5,879; 5,881;  
5,883; 5,894; 5,896; 5,990; 5,992; 5,994; 6,002; 6,004; 6,029; 6,031;  
6,033; 6,046; 6,048; 6,050; 6,052; 6,078; 6,080 ft

(Stage 4 - Point Lookout)

6,978; 6,988; 6,998; 7,008; 7,018; 7,028; 7,038; 7,045; 7,056; 7,068;  
7,078; 7,088; 7,101; 7,108; 7,114; 7,121; 7,128; 7,138; 7,148; 7,158;  
7,168; 7,181; 7,192 ft (Stage 3 - Upper Mancos)

7,261; 7,264; 7,269; 7,276; 7,284; 7,290; 7,295; 7,298; 7,302; 7,307;  
7,314; 7,320; 7,332; 7,336; 7,341; 7,346; 7,352; 7,357; 7,366;  
7,372 ft

(Stage 2 - Lower Mancos)

8,010; 8,013; 8,016; 8,022; 8,026; 8,032; 8,042; 8,048; 8,052; 8,056;  
8,060; 8,064; 8,068; 8,072; 8,076; 8,080; 8,084; 8,088 ft

(Stage 1 - Dakota)

Flowing tubing pressure at the time of logging: 150 psi

Daily average surface production reported at the time of logging:

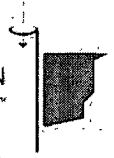
gas: 602 Mscf/d

water: N/A bpd



# Completion Profile Analysis

COMPLETION  
PROFILER™



## *Tool String*

The 1 11/16" Completion Profiler string comprised the following sensors:

Battery housing; RS-232/CCL; Memory/CPU; Gamma Ray; Pressure/Temperature Combo; Centralizer; Induction Collar Locator; Fluid Density; Centralizer; Spinner Flowmeter.

## *Well Log History*

Log Date	Type of Survey
08/17/10	Completion Profiler



## Results

The following table summarizes the production from each producing zone.

GAS / WATER PRODUCTION PROFILE						
Flow Rates Reported at STP						
Zone Intervals	Q-Gas	Qp-Gas	Percent of	Q-Water	Qp-Water	Percent of
feet	MCFD	MCFD	Total	BFPD	BFPD	Total
Surface to 5480	600 Mcf/d		100 %	5 bpd		100 %
Stage 5 - Cliff House/Menefee			25 %			29 %
5480 to 5642	600 Mcf/d	147 Mcf/d		5 bpd	2 bpd	
Stage 4 - Point Lookout			22 %			25 %
5773 to 6080	453 Mcf/d	131 Mcf/d		4 bpd	1 bpd	
Stage 3 - Upper Mancos			12 %			15 %
6978 to 7192	321 Mcf/d	74 Mcf/d		2 bpd	1 bpd	
Stage 2 - Lower Mancos			6 %			7 %
7261 to 7372	248 Mcf/d	34 Mcf/d		2 bpd	0 bpd	
Stage 1 - Dakota			18 %			13 %
8010 to 8052	213 Mcf/d	110 Mcf/d		1 bpd	1 bpd	
Flow Contribution from Below Log Depth			17 %			12 %
8055 to Below	104 Mcf/d		17 %	1 bpd		12 %