

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

5 Lease Designation and Serial No
NMSF-078766

6 If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Rosa Unit

8 Well Name and No
Rosa Unit 160D

9. API Well No.
30-039-30689

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

11 County or Parish, State
Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE

RECEIVED

JUL 21 2011

1. Type of Well
Oil Well Gas Well X Other

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

Farmington Field Office
Bureau of Land Management

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

4. Location of Well (Footage, Sec , T., R., M , or Survey Description)
SURF: 1140' FSL & 1400' FWL
BHL: 631' FSL & 679' FWL SEC 25 31N 6W

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 #160D. Based on the results obtained, Williams proposes the following allocation:

Mesaverde	68%	437 Mcf/d
Mancos	18%	114 Mcf/d
Dakota	14%	91 Mcf/d
Total	100%	642 Mcf/d



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

Signed Larry Higgins
Larry Higgins

Title PERMIT SUPRV

Date 7/20/11

(This space for Federal or State office use)

Approved by Joe Hewitt

Title GCB

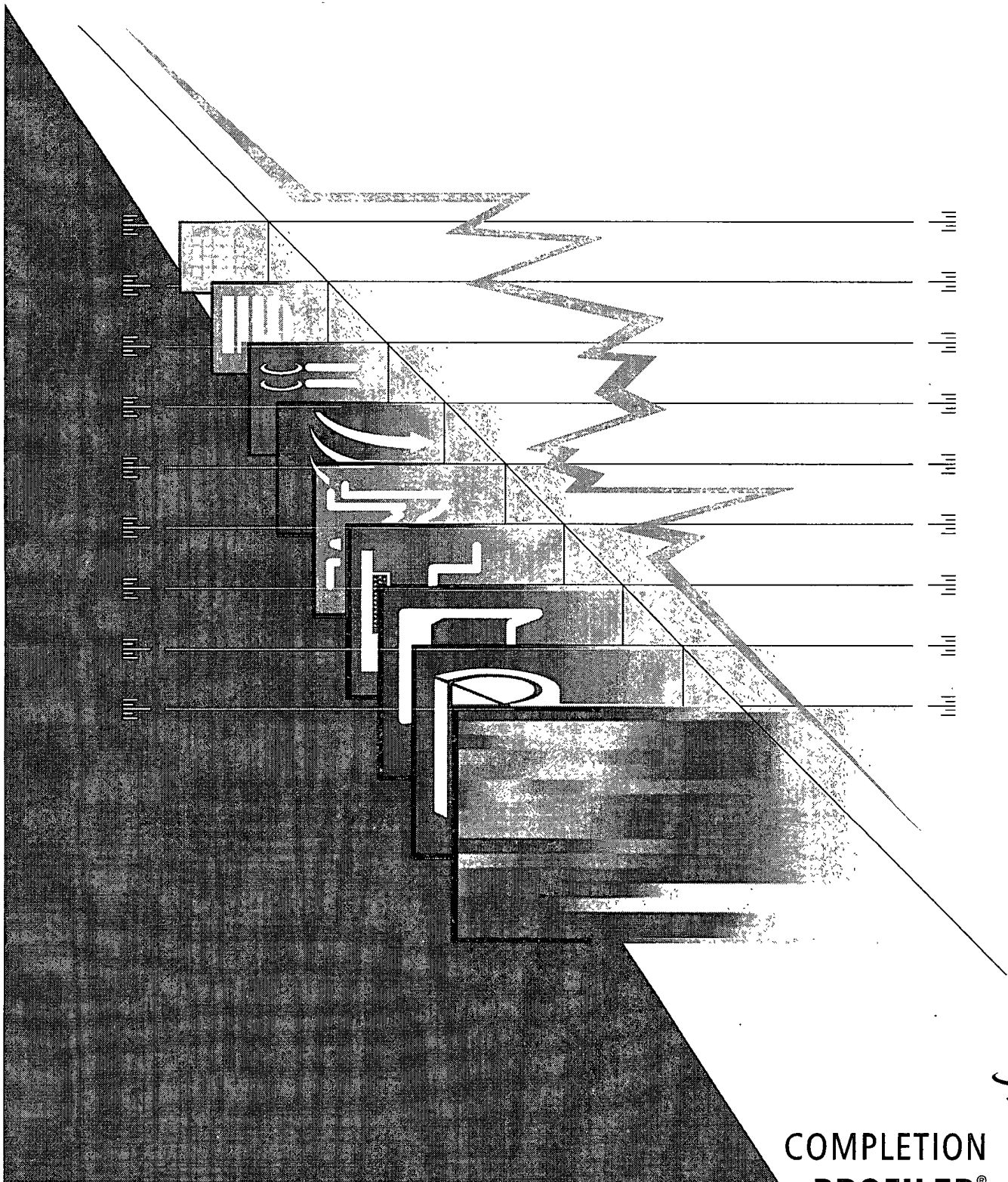
Date 7.22.11

Conditions of approval, if any

RECEIVED

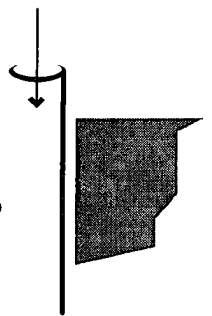
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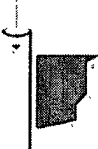
*Williams Production Company
Rosa Unit #160D*



MEASURED SOLUTIONS

COMPLETION
PROFILER®





<i>Company</i>	<i>Williams Production Company</i>
<i>Well Name</i>	<i>Rosa Unit #160D</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>May 17, 2011</i>
<i>Date of Analysis</i>	<i>May 20, 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
05/17	06:30	Arrive on location
05/17	05:30	Gauge run start
05/17	06:30	Gauge run stop
05/17	11:42	Program Completion Profile String
05/17	11:56	Start GIH pass
05/17	12:16	Stop GIH pass
05/17	12:21	Start logging passes
05/17	14:50	Stop logging passes
05/17	14:56	Start out of well pass
05/17	15:18	Stop out of well pass
05/17	15:23	Start download
05/17	15:44	Stop download
05/17	16:00	Rig down

Interval Logged: [From 5,396 to 8,047 ft.]
60 ft/min
90 ft/min



Completion Profile Analysis

COMPLETION
PROFILER™



Well Information

Casing: 5.5" 17.0 lb/ft surface to 8,115 ft PBSD: 8,107 ft

Tubing: 2.375" 4.7 lb/ft surface to 5,417 ft

Perforations: 5,520; 5,522; 5,524; 5,535; 5,537; 5,539; 5,556; 5,558; 5,560; 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; 5,616; 5,618; 5,620; 5,622;
5,624; 5,626; 5,628; 5,630; 5,632; 5,634; 5,662; 5,664; 5,686; 5,688;
5,690; 5,692; 5,694; 5,696; 5,698; 5,700; 5,702; 5,704; 5,724; 5,726;
5,728; 5,730; 5,732 ft
(Cliff House/Menefee)

5,762; 5,264; 5,266; 5,268; 5,270; 5,272; 5,274; 5,276; 5,281; 5,283;
5,293; 5,295; 5,810; 5,812; 5,814; 5,816; 5,818; 5,820; 5,822; 5,824;
5,826; 5,828; 5,830; 5,832; 5,834; 5,836; 5,838; 5,840; 5,842; 5,844;
5,846; 5,848; 5,850; 5,852; 5,854; 5,856; 5,858; 5,860; 5,862; 5,864;
5,868; 5,870; 5,872; 5,874; 5,886; 5,888; 5,892; 5,894; 5,896; 5,912;
5,914; 5,934; 5,936; 5,938; 5,942; 5,960; 5,962; 5,978; 5,980; 5,994;
5,996; 6,010; 6,012; 6,014; 6,016; 6,018; 6,030; 6,032 ft
(Point Lookout)

7,012; 7,022; 7,024; 7,029; 7,050; 7,060; 7,070; 7,080; 7,090; 7,096;
7,104; 7,116; 7,121; 7,130; 7,136; 7,146; 7,160; 7,170; 7,180; 7,192;
7,202; 7,208 ft
(Upper Mancos)

7,267; 7,276; 7,284; 7,291; 7,300; 7,304; 7,309; 7,313; 7,317; 7,322;
7,329; 7,332; 7,338; 7,343; 7,351; 7,355; 7,361; 7,367; 7,373; 7,379;
7,388 ft
(Lower Mancos)

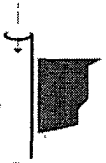
7,996; 8,000; 8,004; 8,008; 8,012; 8,016; 8,044; 8,048; 8,052; 8,056;
8,060; 8,064; 8,068; 8,072; 8,076; 8,080; 8,084; 8,087; 8,090; 8,093;
8,096 ft
(Dakota)

Flowing tubing pressure at the time of logging: 112 psi

Daily average surface production reported at the time of logging:

gas: 644 Mscf/d

water: N/A bpd



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
06/22/10	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 Total	Q-Water	Qp-Water	Percent of Total
feet	MCFD	MCFD		BFPD	BFPD	
Surface to 5520	642 Mcf/d		100 %	5 bpd		100 %
CliffHouse/Menefee			63 %			70 %
5520 to 5732	642 Mcf/d	401 Mcf/d		5 bpd	3 bpd	
Point Lookout			6 %			6 %
5762 to 6032	241 Mcf/d	36 Mcf/d		1 bpd	0 bpd	
Upper Mancos			14 %			16 %
7012 to 7208	204 Mcf/d	88 Mcf/d		1 bpd	1 bpd	
Lower Mancos			4 %			4 %
7267 to 7388	116 Mcf/d	26 Mcf/d		0 bpd	0 bpd	
Dakota			12 %			3 %
7996 to 8044	91 Mcf/d	80 Mcf/d		0 bpd	0 bpd	
Flow Contribution from Below Log Depth			2 %			0 %
8047 to Below	11 Mcf/d		2 %	0 bpd		0 %