

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 21 2011

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

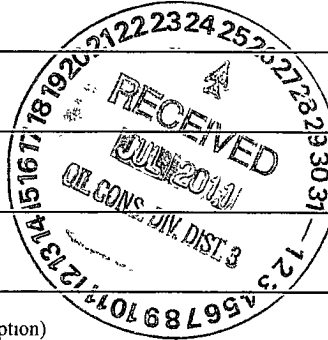
SUBMIT IN TRIPLICATE

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 (505) 634-4208

4 Location of Well (Footage, Sec , T , R , M , or Survey Description)
550 FSL & 450 FWL SEC 36 32N 6W



7 If Unit or CA, Agreement Designation
Rosa Unit

8 Well Name and No
Rosa Unit 152D

9 API Well No.
30-039-30778

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

☒ Subsequent Report

Final Abandonment

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

☒ 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 #152D. Based on the results obtained, Williams proposes the following allocation:

Mesaverde	62%	376 Mcf/d
Mancos	17%	105 Mcf/d
Dakota	21%	129 Mcf/d
Total	100%	6107 610 Mcf/d

total corrected

14 I hereby certify that the foregoing is true and correct

Signed Larry Higgins
Larry Higgins

Title Drilling Supervisor Date 7/21/11

(This space for Federal or State office use)

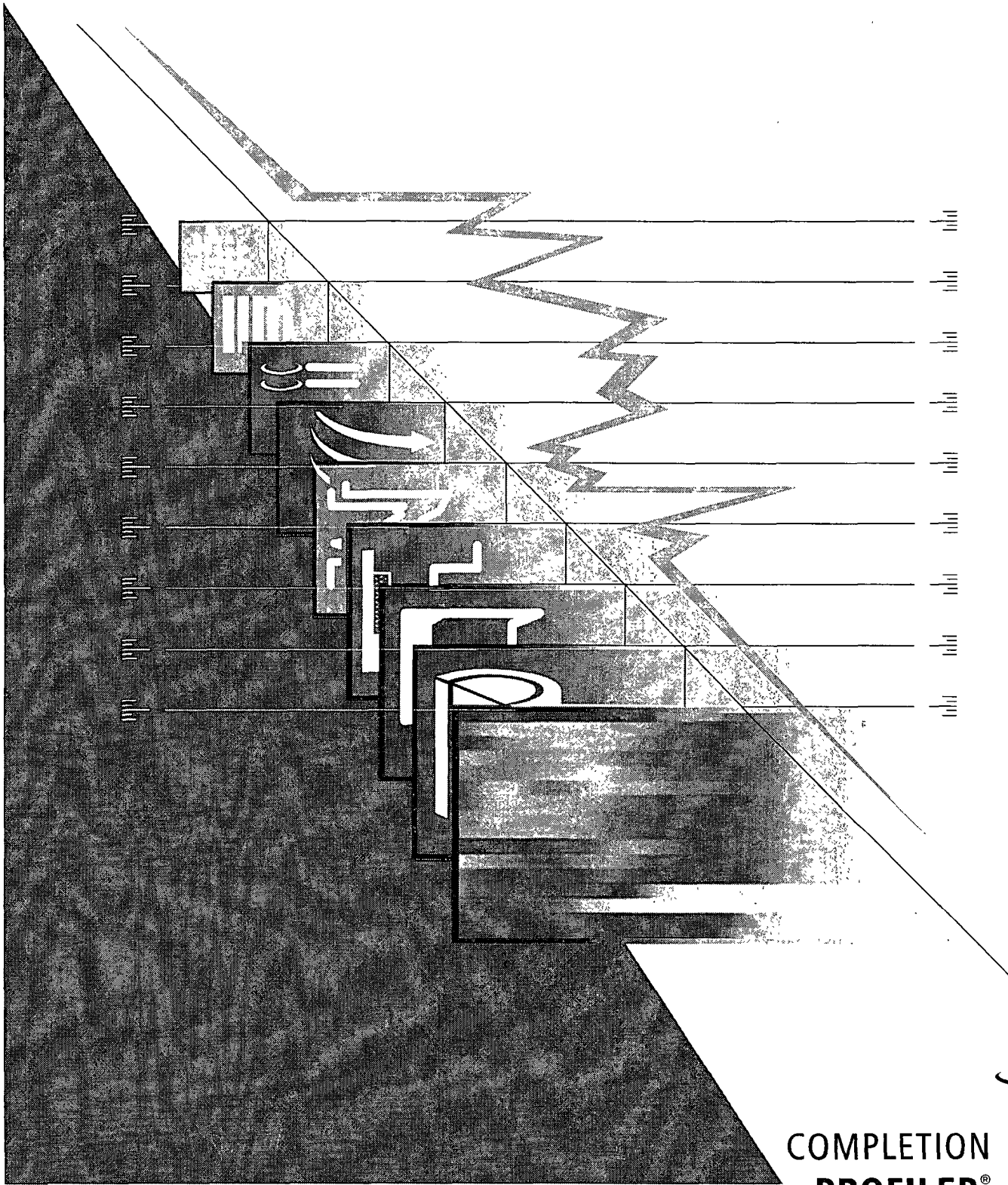
Approved by Joe Hewitt

Title Geo

Date 7-22-11

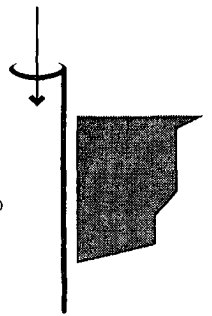
Conditions of approval, if any:

*Williams Production Company
Rosa Unit 152D*



MEASURED SOLUTIONS

COMPLETION
PROFILER®





Completion Profile Analysis

COMPLETION
PROFILER™



<i>Company</i>	<i>Williams Production Company</i>
<i>Well Name</i>	<i>Rosa Unit 152D</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 28, 2011</i>
<i>Date of Analysis</i>	<i>July 6, 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.



Table of Contents

<i>Survey Objectives</i>	4
<i>Logging Procedures</i>	4
<i>Well Information</i>	5
<i>Tool String</i>	6
<i>Well Log History</i>	6
<i>Results</i>	7
<i>Analysis Summary</i>	12
<i>Brief Description of Process</i>	13
<i>Model Results With Recorded Data</i>	14
<i>Production Rates At Surface Conditions</i>	15
<i>Flow Model at Downhole Conditions With Comparison of Theoretical Response to Recorded Data</i>	16
<i>Overlay of all Log Data</i>	17
<i>Apparent Fluid Velocity Derived from Spinner</i>	18
<i>Spinner Calibration Plots Relationship between R.P.S. and Fluid Velocity (fpm)</i>	19
<i>Well Information</i>	20
<i>Parameters used for Analysis</i>	20
<i>Definitions</i>	21



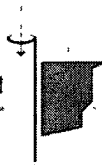
Survey Objectives

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

Logging Procedures

Date	Time	Comment
06/28	07:00	Arrive on location
06/28	06:00	Gauge run start
06/28	07:00	Gauge run stop
06/28	07:41	Program Completion Profile String
06/28	07:55	Start GIH pass
06/28	08:13	Stop GIH pass
06/28	08:20	Start logging passes
06/28	11:59	Stop logging passes
06/28	12:07	Start out of well pass
06/28	12:24	Stop out of well pass
06/28	12:30	Start download
06/28	12:55	Stop download
06/28	13:15	Rig down

Interval Logged: [From 4,998 to 7,987 ft.]
 60 ft/min
 90 ft/min
 120 ft/min



Well Information

Casing: 5.5" 17.0 lb/ft surface to 8,052 ft PBD: 8,041 ft

Tubing: 2.375" 4.7 lb/ft surface to 4,942 ft

Perforations: 5,173; 5,175; 5,177; 5,188; 5,191; 5,193; 5,200; 5,225; 5,227; 5,233;
5,235; 5,237; 5,247; 5,251; 5,257; 5,259; 5,265; 5,268; 5,283; 5,291;
5,301; 5,303; 5,361; 5,363; 5,365; 5,393; 5,405; 5,407; 5,409; 5,420;
5,423; 5,425; 5,433; 5,444; 5,446; 5,448; 5,450; 5,452; 5,454; 5,456;
5,458; 5,462; 5,464; 5,466; 5,468; 5,470; 5,472; 5,491; 5,499; 5,501;
5,503; 5,505; 5,507; 5,527 ft
(Stage 5 – Cliff House/Menefee)

5,572; 5,574; 5,576; 5,602; 5,604; 5,606; 5,608; 5,618; 5,620; 5,622;
5,636; 5,638; 5,640; 5,642; 5,644; 5,649; 5,659; 5,678; 5,680; 5,682;
5,686; 5,688; 5,690; 5,694; 5,696; 5,698; 5,704; 5,706; 5,708; 5,710;
2,712; 5,714; 5,718; 5,720; 5,722; 5,724; 5,728; 5,730; 5,732; 5,734;
5,736; 5,738; 5,748; 5,756; 5,758; 5,760; 5,764; 5,766; 5,768; 5,770;
5,772; 5,774; 5,776; 5,780; 5,782; 5,784; 5,786; 5,788; 5,796; 5,800;
5,806; 5,818; 5,847; 5,856; 5,876; 5,882; 5,896; 5,905; 5,935; 5,949;
5,952 ft
(Stage 4 – Point Lookout)

6,820; 6,830; 6,840; 6,850; 6,860; 6,870; 6,880; 6,890; 6,900; 6,910;
6,920; 6,930; 6,940; 6,950; 6,960; 6,970; 6,980; 6,990; 7,000; 7,010;
7,020; 7,030; 7,040; 7,050; 7,060; 7,070 ft
(Stage 3 – Upper Mancos)

7,151; 7,159; 7,170; 7,180; 7,185; 7,194; 7,202; 7,210; 7,218; 7,223;
7,227; 7,234; 7,241; 7,245; 7,254; 7,260; 7,265; 7,268; 7,274; 7,280;
7,286 ft
(Stage 2 - Lower Mancos)

7,912; 7,916; 7,920; 7,924; 7,928; 7,934; 7,946; 7,957; 7,961; 7,965;
7,969; 7,973; 7,977; 7,981; 7,988; 7,989; 7,999; 8,003; 8,007; 8,011;
8,015; 8,022; 8,028; 8,032; 8,034; 8,037 ft
(Stage 1 – Dakota)

Flowing tubing pressure at the time of logging: 85 psi

Daily average surface production reported at the time of logging:

gas: 627 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
08/11/11	Completion Profiler

Completion Profile Analysis

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 5173	610 Mcf/d		100 %	5 bpd		100 %
Stage 5 - Cliff House/Menefee			21 %			24 %
5173 to 5527	610 Mcf/d	130 Mcf/d		5 bpd	1 bpd	
Stage 4 - Point Lookout			40 %			44 %
5572 to 5952	481 Mcf/d	246 Mcf/d		4 bpd	2 bpd	
Stage 3 - Upper Mancos			11 %			13 %
6820 to 7070	235 Mcf/d	68 Mcf/d		2 bpd	1 bpd	
Stage 2 - Lower Mancos			6 %			6 %
7151 to 7286	167 Mcf/d	37 Mcf/d		1 bpd	0 bpd	
Stage 1 - Dakota			6 %			3 %
7912 to 7981	130 Mcf/d	34 Mcf/d		1 bpd	0 bpd	
Flow Contribution from Below Log Depth			16 %			10 %
7987 to Below	95 Mcf/d		16 %	1 bpd		10 %