

# RECEIVED

Form 3160-5  
(February 2005)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**Farmington Field Office**  
**Bureau of Land Management**

**JUN 14 2012**

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1 Type of Well

☐ Oil Well    ☒ Gas Well    ☐ Other

2. Name of Operator

WPX Energy Production, LLC

3a. Address

PO Box 640    Aztec, NM 87410

3b. Phone No. (include area code)

505-333-1806

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

275' FSL & 1450' FWL    Sec 4, T31N, R6W NMPM

5. Lease Serial No.

NMSF-078765

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

Rosa Unit

8. Well Name and No.

Rosa Unit #60B

9. API Well No.

30-045-34251

10. Field and Pool or Exploratory Area

BLANCO MV/BASIN MANCOS/BASIN DK

11. Country or Parish, State

San Juan, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other /Reallocation
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

WPX ran a completion profiler tool for allocation purposes on the Rosa Unit #060B. Based on the results obtained, WPX proposes the following allocation:

Mesaverde	37%	
Mancos	32%	
Dakota	31%	
<b>Total</b>	<b>100%</b>	

**RCVD JUN 18 '12**  
**OIL CONS. DIV.**  
**DIST. 3**

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

Name (Printed/Typed)

Ben Mitchell

Title    Regulatory Specialist

Signature

*[Handwritten Signature]*

Date    6/13/2012

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

*[Handwritten Signature]*

Title    Geo

Date    6-15-12

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

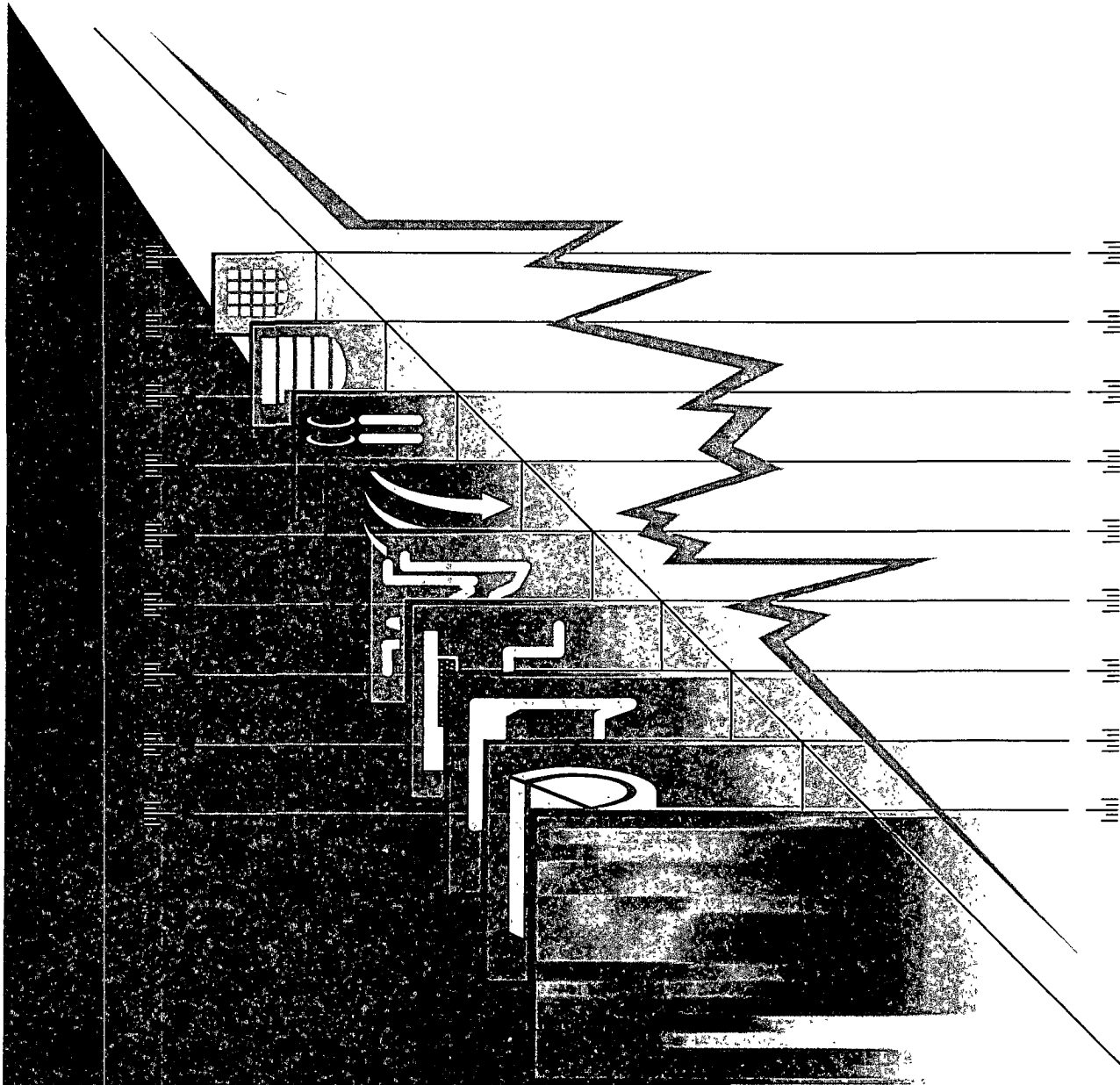
Office    FDD

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

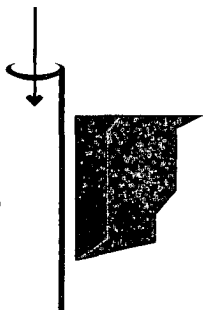
**NMOCD** *AV*

*Williams Production Company*  
*Rosa Unit #60B*



MEASUREDSOLUTIONS

COMPLETION  
PROFILER®





## Completion Profile Analysis

COMPLETION  
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<i>Company</i>	<i>Williams Production Company</i>
<i>Well Name</i>	<i>Rosa Unit #60B</i>
<i>Field</i>	<i>Blanco Mesaverde/Basin Dakota</i>
<i>Location</i>	<i>San Juan County, New Mexico</i>
<i>Customer Name</i>	<i>Michael Andrews</i>
<i>Date of Survey</i>	<i>May 11, 2012</i>
<i>Date of Analysis</i>	<i>May 17, 2012</i>
<i>Logging Engineer</i>	<i>Loren Healy</i>
<i>Analyst</i>	<i>Derrick George</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
05/11	07:00	Arrive on location
05/11	06:00	Gauge run start
05/11	07:00	Gauge run stop
05/11	07:38	Program Completion Profile String
05/11	07:58	Start GIH pass
05/11	08:19	Stop GIH pass
05/11	08:20	Start logging passes
05/11	11:54	Stop logging passes
05/11	11:54	Start out of well pass
05/11	12:15	Stop out of well pass
05/11	12:24	Start download
05/11	12:44	Stop download
05/11	13:00	Rig down

Interval Logged: [From 5,103 to 8,108 ft.]  
 60 ft/min  
 90 ft/min  
 120 ft/min



# Completion Profile Analysis

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## Well Information

Casing: 5.5" 17.0 lb/ft surface to 8,224 ft

Tubing: 2.375" 4.7 lb/ft surface to 4,811 ft

Perforations: 5,105; 5,107; 5,109; 5,172; 5,176; 5,186; 5,189; 5,192; 5,195; 5,217;  
5,219; 5,235; 5,237; 5,240; 5,251; 5,254; 5,295; 5,297; 5,320; 5,322;  
5,363; 5,367; 5,392; 5,394; 5,398; 5,402; 5,406; 5,409; 5,412; 5,416;  
5,422; 5,426; 5,432; 5,439; 5,445; 5,450; 5,453; 5,462; 5,466; 5,470;  
5,474; 5,483; 5,487; 5,490; 5,493; 5,511; 5,516; 5,518; 5,520; 5,523;  
5,527; 5,531; 5,534; 5,537; 5,541; 5,545; 5,594; 5,596; 5,614; 5,616;  
5,620; 5,622; 5,624; 5,628 ft (Stage 9 - Cliff House/Menefee)

5,681; 5,684; 5,689; 5,690; 5,693; 5,696; 5,699; 5,702; 5,711; 5,715;  
5,718; 5,721; 5,724; 5,730; 5,733; 5,736; 5,742; 5,751; 5,753; 5,758;  
5,762; 5,765; 5,768; 5,771; 5,775; 5,780; 5,784; 5,788; 5,799; 5,806;  
5,817; 5,823; 5,829; 5,833; 5,836; 5,844; 5,854; 5,862; 5,864; 5,880;  
5,882; 5,885; 5,888; 5,890; 5,898; 5,906; 5,908; 5,914; 5,916; 5,918;  
5,924; 5,928; 5,934; 5,938 ft (Stage 8 - Point Lookout)

6,545; 6,560; 6,575; 6,590; 6,605; 6,620; 6,635; 6,650; 6,665; 6,680;  
6,695; 6,710; 6,725; 6,740 ft (Stage 7 - Mancos)

6,805; 6,815; 6,825; 6,835; 6,845; 6,855; 6,865; 6,875; 6,885; 6,895 ft  
(Stage 6 - Mancos)

6,930; 6,940; 6,964; 6,988; 7,008; 7,014; 7,058; 7,064; 7,070; 7,074 ft  
(Stage 5 - Mancos)

7,150; 7,160; 7,170; 7,190; 7,200; 7,210; 7,250; 7,260; 7,270 ft  
(Stage 4 - Mancos)

7,415; 7,425; 7,435; 7,445; 7,455; 7,465; 7,485; 7,495; 7,505; 7,515;  
7,525; 7,535 ft (Stage 3 - Mancos)

7,670-7,671; 7,673-7,674; 7,676-7,677; 7,679-7,680; 7,682-7,683;  
7,685-7,686; 7,687-7,688 ft (Stage 2 - Mancos)

7,920; 7,924; 7,928; 7,932; 7,940; 7,950; 7,960; 7,970; 7,975; 7,980;  
7,986; 7,992; 7,997; 8,002; 8,012; 8,022; 8,032; 8,037; 8,042; 8,047;  
8,052 ft (Stage 1 - Dakota)

# Completion Profile Analysis

Flowing tubing pressure at the time of logging: 67 - 72 psi

Daily average surface production reported at the time of logging:

gas: 252 - 371 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
08/04/08	SpectraScan
08/19/08	SpectraScan
08/27/08	SpectraScan
09/11/08	SpectraScan
09/23/08	SpectraScan
10/04/08	SpectraScan
06/22/09	SpectraScan
10/21/09	Completion Profiler
07/01/10	Completion Profiler
06/04/11	Completion Profiler



## Results

The following table summarizes the production from each frac stage.

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 5105	395 Mcf/d		100 %	1 bpd		100 %
Stage 9 - Cliff House/Menefee			20 %			14 %
5105 to 5628	395 Mcf/d	77 Mcf/d		1 bpd	0 bpd	
Stage 8 - Point Lookout			17 %			29 %
5681 to 5938	318 Mcf/d	68 Mcf/d		1 bpd	0 bpd	
Stage 7 - Mancos			13 %			6 %
6545 to 6740	250 Mcf/d	50 Mcf/d		1 bpd	0 bpd	
Stage 6 - Mancos			0 %			0 %
6805 to 6895	200 Mcf/d	1 Mcf/d		1 bpd	0 bpd	
Stage 5 - Mancos			0 %			0 %
6930 to 7074	199 Mcf/d	1 Mcf/d		1 bpd	0 bpd	
Stage 4 - Mancos			0 %			0 %
7150 to 7270	199 Mcf/d	1 Mcf/d		1 bpd	0 bpd	
Stage 3 - Mancos			13 %			13 %
7415 to 7535	198 Mcf/d	52 Mcf/d		1 bpd	0 bpd	
Stage 2 - Mancos			6 %			6 %
7670 to 7688	146 Mcf/d	25 Mcf/d		1 bpd	0 bpd	
Stage 1 - Dakota			31 %			31 %
7920 to 8052	122 Mcf/d	122 Mcf/d		0 bpd	0 bpd	