

## RECE

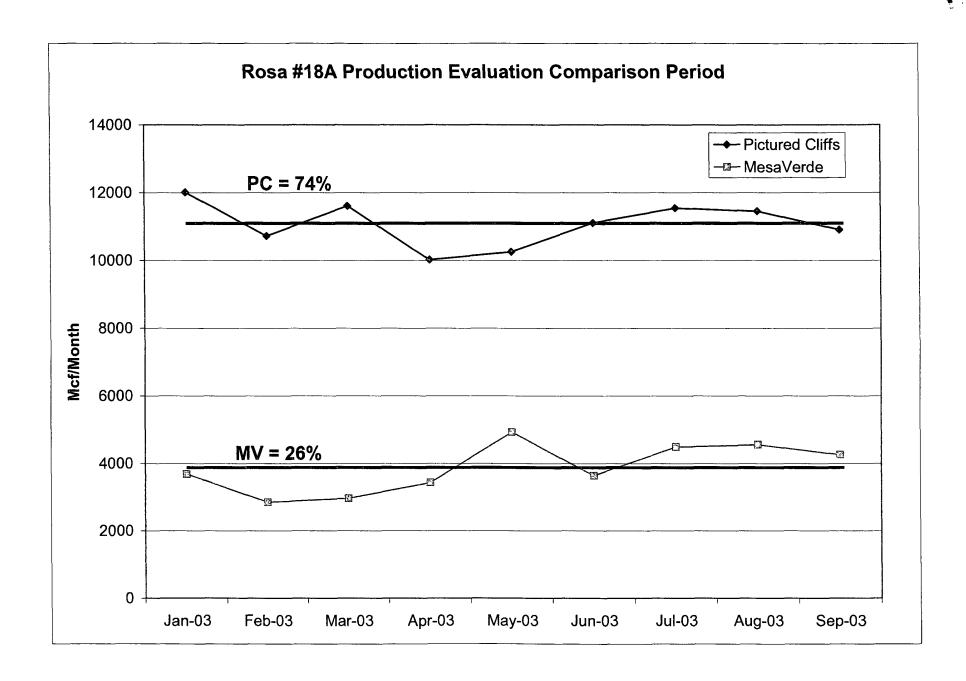
# UNITED STATES DEPARTMENT OF INTERIOR BUREAU OF LAND MANAGEMEN

AUG 04 2008

FORM APPROVED

(June 19	00)	ENT OF INTERIOR AND MANAGEMENT	F1	-	Budget Bureau No. 1004-0135
Do not	SUNDRY NOTICE AND use this form for proposals to drill or to deepen or	r reentry to a different reservoir.	Bureau of Land Mar Farmington Field Use "APPLICATION		Lease Designation and Serial No. SF-078766
	TO DRILL" for perm	it for such proposals		6.	If Indian, Allottee or Tribe Name
	SUBMIT IN 1	TRIPLICATE		7.	If Unit or CA, Agreement Designation ROSA UNIT
1. Type of Well Oil Well X Gas Well Other				8.	Well Name and No. ROSA UNIT #18A
WILLIAMS PRODUCTION COMPANY  3. Address and Telephone No.				9.	API Well No. 30-039-25436
3. Address and Telephone No. PO BOX 3102 MS 25-4, TULSA, OK 74101 (918) 573-3046		10.	Field and Pool, or Exploratory Area BLANCO MESAVERDE		
4.	Location of Well (Footage, Sec., T., R., M., or 1106' FSL 791'FEL, SE/4 SE/4, SEC 22-T31	- · · · · · · · · · · · · · · · · · · ·		11.	County or Parish, State RIO ARRIBA, NEW MEXICO
	CHECK APPROPRIA	TE BOX(s) TO INDICATE NA	TURE OF NOTICE, REPO	ORT, OR O	THER DATA
	TYPE OF SUBMISSION TYPE O			F ACTION	
<i>f</i>	<ul><li>≅ Notice of Intent</li><li>Subsequent Report</li><li>Final Abandonment</li></ul>	Abandonment Recompletion Plugging Back Casing Repair Altering Casing © Other <u>COMN</u>	MINGLE		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 (O directionally drilled, give subsurface locations				nated date of starting any proposed work. If well is ent to this work.)*
Comn	ningle Procedure:  1. Pull Pictured Cliffs tubing 2. Pull MesaVerde tubing 3. Remove Production packer 4. Clean out to PBTD 5. Acid stimulate each formation 6. Complete with single string 2- 7. Install pumping unit system 8. Remove one set of wellhead 9. Return to production as PV/M	n -3/8" tubing, landed @ 5 facilities			RCVD AUG 7'08 OIL CONS. DIV. DIST. 3
PLEAS	E SEE ATTACHED FOR CONTINUATION		URE:		
14.	I hereby certify that the foregoing is true and c	NO OVL	- per	<del></del>	
	Signed Rachel Lipperd	Title Engineering Te	chnician Da	ite <u>Jun</u>	e 9, 2008
	(This space for Federal or State office use)				
	Approved by	Title		Da	te
	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.



#### WELLBORE DIAGRAM **ROSA UNIT #18A PC/MV**

07/10/94 Spud:

Complete: 08/18/94 09/02/04 ID'd:

Location: 1106' FSL, 791' FEL SE/4 SE/4 Section 22, T31N, R6W

Rio Arriba Co., NM Elevation: 6275' GR

KB = 12'

Tops	Depth		
Nacimiento	N/A		
Ojo Alamo	2337'		
Kirtland	2457'		
Fruitland	2900'		
Pictured Cliffs	3135'		
Lewis	3369'		
Cliff House	5270'		
Menefee	5363'		
Point Lookout	5597'		
Mancos	5859'		

Top of Liner @ 3494'

12 jts 9-5/8", 36#, K-55, LT&C csg. Landed @ 506'

101 jts 1 - 1/2", 2.9#, J-55 EUE, 10rd w/ orange peeled perf nipple on bottom, 1 full jt, SN (1.375") @ 3176', 100 jts. Landed @ 3214' KB.

Pictured Cliffs; 65 Perforations @ .36" EHD

80 jts 7", 20#, K-55, ST&C csg. Landed @ 3585'

- Arrow Drill pkr set @ 3955'

3139'

3225'

5303'

5589'

5610'

5781

181 jts 1-1/2", 2.9#, J-55, EUE, 10rd tbg w/ 1/2 mule shoe on bottom, SN (1.375") @ 5707', 57 jts tail pipe, 3 unit seal assembly, 123 jts, 2 (2' & 6') 2 - 1/16", 3.25" IJ pups & 1 full jt on top. Landed @ 5739' KB.

Mesaverde; 56 Perforations @ .36" EHD

#### **STIMULATION**

PC: 3139' to 3225'

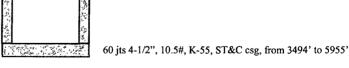
112,000# 20 / 40, 21,294 gals 70 qual foam

MV: 5303' to 5589'

78,800# 20 / 40, 58,968 gals slick wtr

MV: 5610' to 5781'

88,000# 20 / 40, 105,882 gals slick wtr



PBTD @ 5925'

I	lole Size	Casing	Cement	Volume	Top Of CMT
	2 - 1/4"	9-5/8", 36#	265 sx	315 cu. ft.	surface
1	8 - 3/4"	7", 20#	580 sx	1107 cu. ft.	surface
	6 - 1/4"	4 - 1/2", 10.5#	235 sx	407 cu. ft.	liner top



### Production Allocation Recommendation Rosa 18A (PC/MV)

Rosa Blanco

June 5, 2008

Rio Arriba, NM

FIELD:

Date:

COUNTY:

WELLNAME: Rosa 18A

LOCATION: SE/4 SE/4 Sec.22, T31N,R06W

**API No.:** 03-039-25436

Current Status: The Rosa 18A is currently a dual completion well producing from the Pictured Cliffs and Mesa Verde formations. A leak in the packer was indicated with a test which was performed in May. Mandatory repair of the packer offer the opportunity to commingle the Pictured Cliffs and Mesa Verde zones, increasing the ability to produce

the well more efficiently. Williams recommends commingling the well after the proposed completion workover to remove scale and fill from across perforations.

#### **Commingle Procedure:**

- 1. Pull Pictured Cliffs tubing
- 2. Pull MesaVerde tubing
- 3. Remove Production packer
- 4. Clean out to PBTD
- 5. Acid stimulate each formation
- 6. Complete with single string 2-3/8" tubing, landed @ 5790', below MV perfs
- 7. Install pumping unit system
- 8. Remove one set of wellhead facilities
- 9. Return to production as PV/MV commingle

Allocation Method: Historic production data from both zones on this well was gathered and analyzed. Monthly production data from January 2003 through September 2003 was considered because this represented a time when both zones appear to be free from loading problems and each zone was producing optimally. During this time frame the Pictured Cliffs accounted for approximately 74% of the total production, while the MesaVerde contributed the remaining 26% of production.

From January 2003 - September 2003

Total Production from well = 134,303 Mcf Total Production from PC = 99,564 Mcf Total Production from MV = 34,740 Mcf

PC allocation = PC prod / Total prod = 99,564 Mcf/134,303 Mcf = 74%

MV allocation = MV prod / Total prod = 34,740 Mcf / 134,303 Mcf = 26%