

DATE IN 9/26/08	SUSPENSE	ENGINEER W Jones	LOGGED IN 9/26/08	TYPE DHC	APP NO. PKVR0827057099
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] **[NSP-Non-Standard Proration Unit]** **[SD-Simultaneous Dedication]**
[DHC-Downhole Commingling] **[CTB-Lease Commingling]** **[PLC-Pool/Lease Commingling]**
[PC-Pool Commingling] **[OLS - Off-Lease Storage]** **[OLM-Off-Lease Measurement]**
[WFX-Waterflood Expansion] **[PMX-Pressure Maintenance Expansion]**
[SWD-Salt Water Disposal] **[IPI-Injection Pressure Increase]**
[EOR-Qualified Enhanced Oil Recovery Certification] **[PPR-Positive Production Response]**

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

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 2008 SEP 26 PM 3 38

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ocean Munds-Dry
Print or Type Name

Ocean Munds-Dry
Signature

Attorney
Title

9-26-08
Date

omundsdry@hollandhart.com
e-mail Address

HOLLAND & HART LLP



Ocean Munds-Dry
omundsdry@hollandhart.com

September 25, 2008

VIA HAND-DELIVERY

Mr. Mark Fesmire, Director
Attn: William Jones
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

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2008 SEP 25 PM 3 52

Re: Administrative Application of Williams Production Company for Downhole
Commingling for its Rosa Unit Well No. 18A.

Dear Mr. Jones:

Please find enclosed Form C-107A (Application for Downhole Commingling) for Williams Production Company's Rosa Unit Well No. 18A located in Section 22, Township 31 North, Range 6 West, Rio Arriba County, New Mexico. This application is submitted pursuant to Division Order R-12991.

Your attention to this matter is appreciated.

Very truly yours,

Ocean Munds-Dry
Attorney for Williams Production Company

Holland & Hart LLP

Phone [505] 988-4421 Fax [505] 983-6043 www.hollandhart.com

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address P.O. Box 2208 Santa Fe, NM 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C.

District I
1625 N. French Drive, Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

Pools

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
 X Single Well
 Establish Pre-Approved

EXISTING WELLBORE
 X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

WILLIAMS PRODUCTION COMPANY		P O BOX 3102, MS 25-4, TULSA, OK 74101	
Operator ROSA UNIT	#18A	Address P - SEC 22 - T31N - R06W	RIO ARRIBA, NM
Lease	Well No.	Unit Letter-Section-Township-Range	County
OGRID No. _____ Property Code <u>017033</u> API No. <u>03-039-25436</u> Lease Type: <u> X </u> Federal <u> </u> State <u> </u> Fee			

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Rosa Pictured Cliffs		Blanco Mesa Verde
Pool Code	96175		72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3139' - 3225'		5303' - 5781'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	634		431
Oil Gravity or Gas BTU (Degree API or Gas BTU)	927		999
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 06/13/08 Rates: 299 Mcfd 0 Bwpd	Date: Rates:	Date: 06/13/08 Rates: 20 Mcfd 0 Bwpd
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 0 % 74 %	Oil Gas % %	Oil Gas 100% 26%

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes _____ No X

If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? **No noticed required per R-12991** Yes _____ No _____

Are all produced fluids from all commingled zones compatible with each other? Yes X No _____

Will commingling decrease the value of production? Yes _____ No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes X No _____

NMOCD Reference Case No. applicable to this well: _____ Case No. 14146 R-12991 _____

- Attachments:
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
 - Production curve for each zone for at least one year. (If not available, attach explanation.)
 - For zones with no production history, estimated production rates and supporting data.
 - Data to support allocation method or formula.
 - Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
 - Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Rachel Lipperd TITLE Engineering Technician II DATE September 19, 2008

TYPE OR PRINT NAME Rachel Lipperd TELEPHONE NO. (918) 573-3046

E-MAIL ADDRESS rachel.lipperd@williams.com

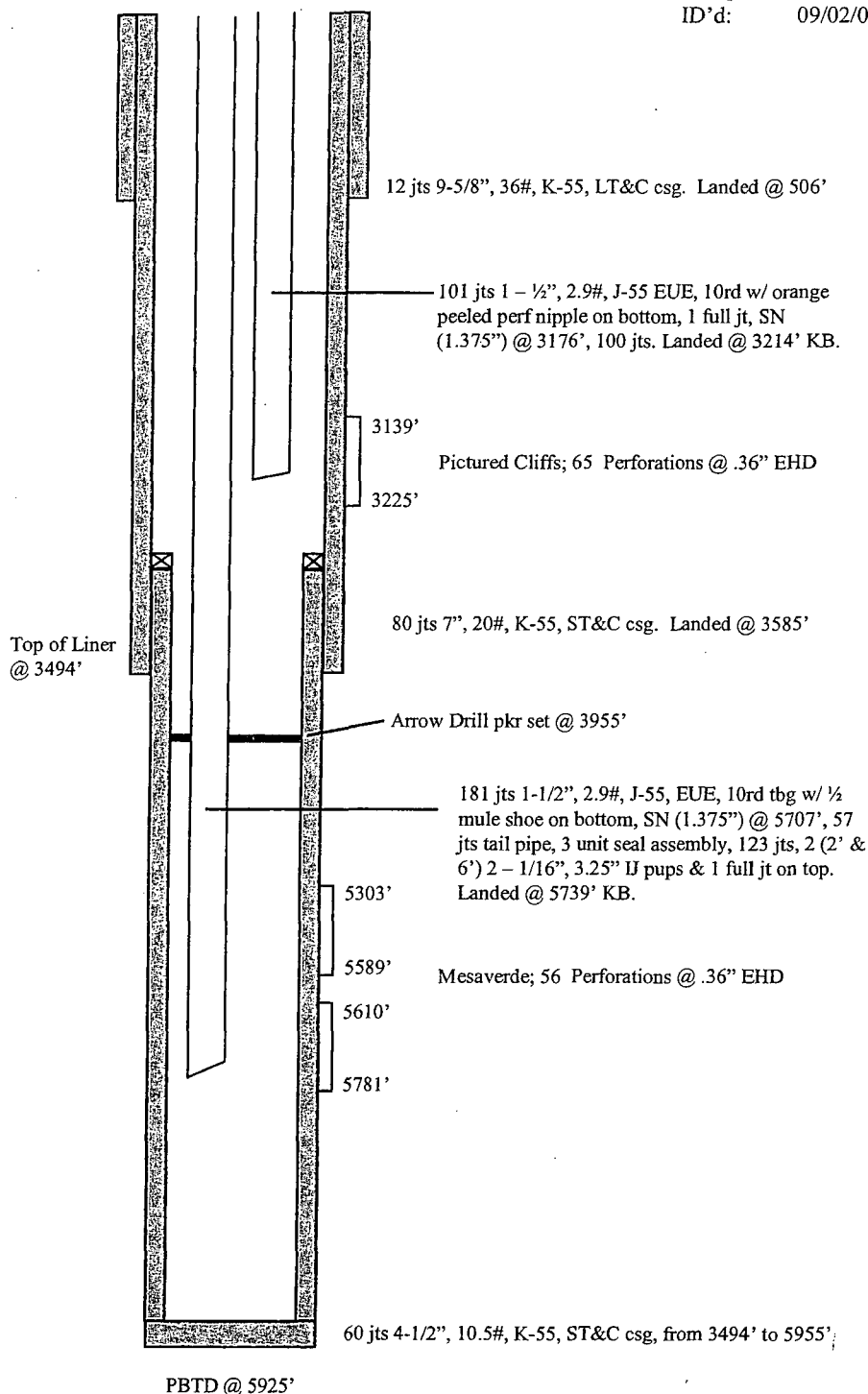
WELLBORE DIAGRAM

ROSA UNIT #18A PC/MV

Spud: 07/10/94
 Complete: 08/18/94
 ID'd: 09/02/04

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'



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

Hole Size	Casing	Cement	Volume	Top Of CMT
12 - 1/4"	9-5/8", 36#	265 sx	315 cu. ft.	surface
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



Exploration & Production

Production Allocation Recommendation Rosa 18A (PC/MV)

WELLNAME: Rosa 18A
LOCATION: SE/4 SE/4 Sec.22, T31N,R06W
API No.: 03-039-25436

FIELD: Rosa Blanco
COUNTY: Rio Arriba, NM
Date: June 5, 2008

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 PBSD
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/MVcommingle

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.

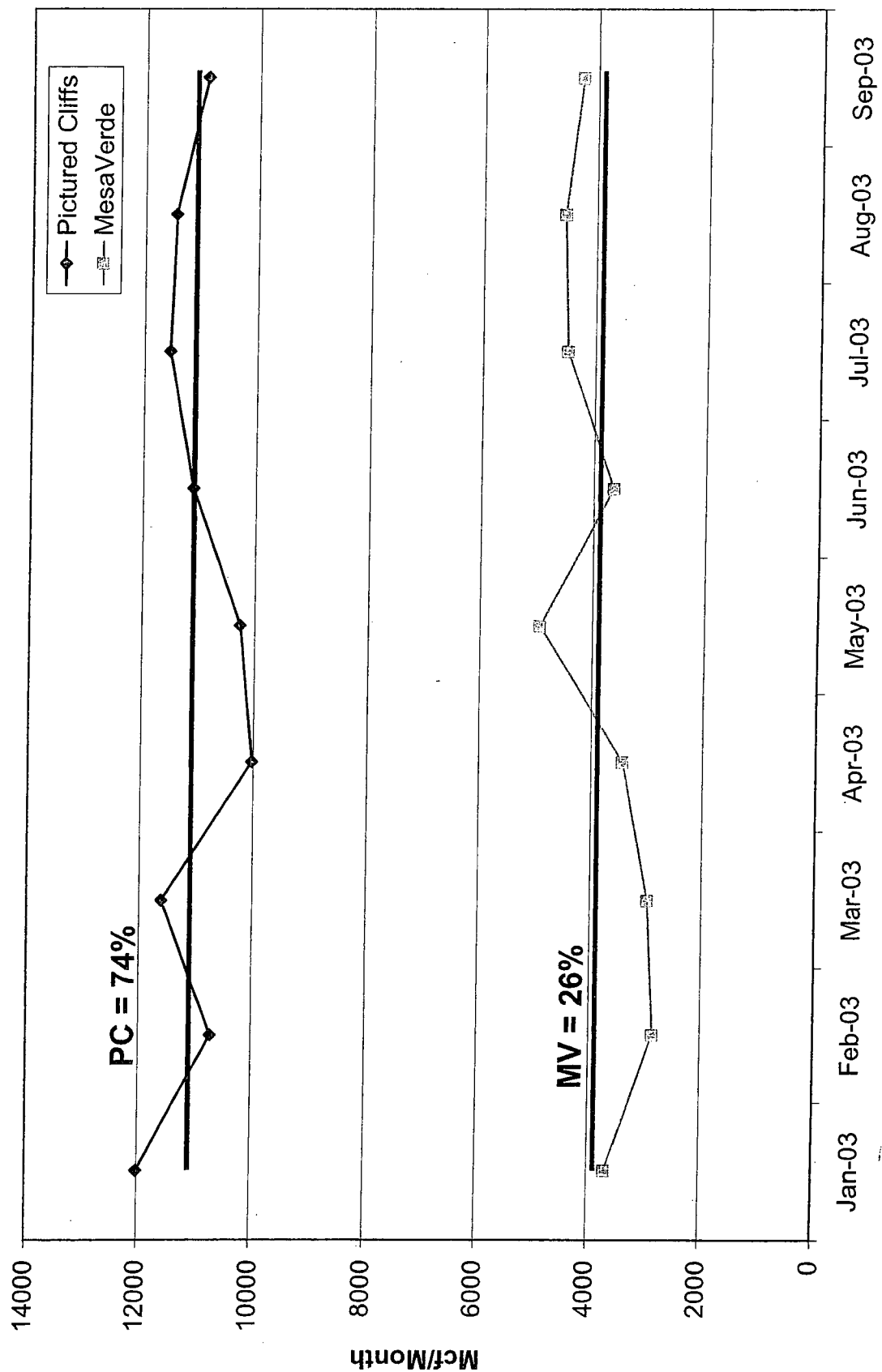
From January 2003 – September 2003

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

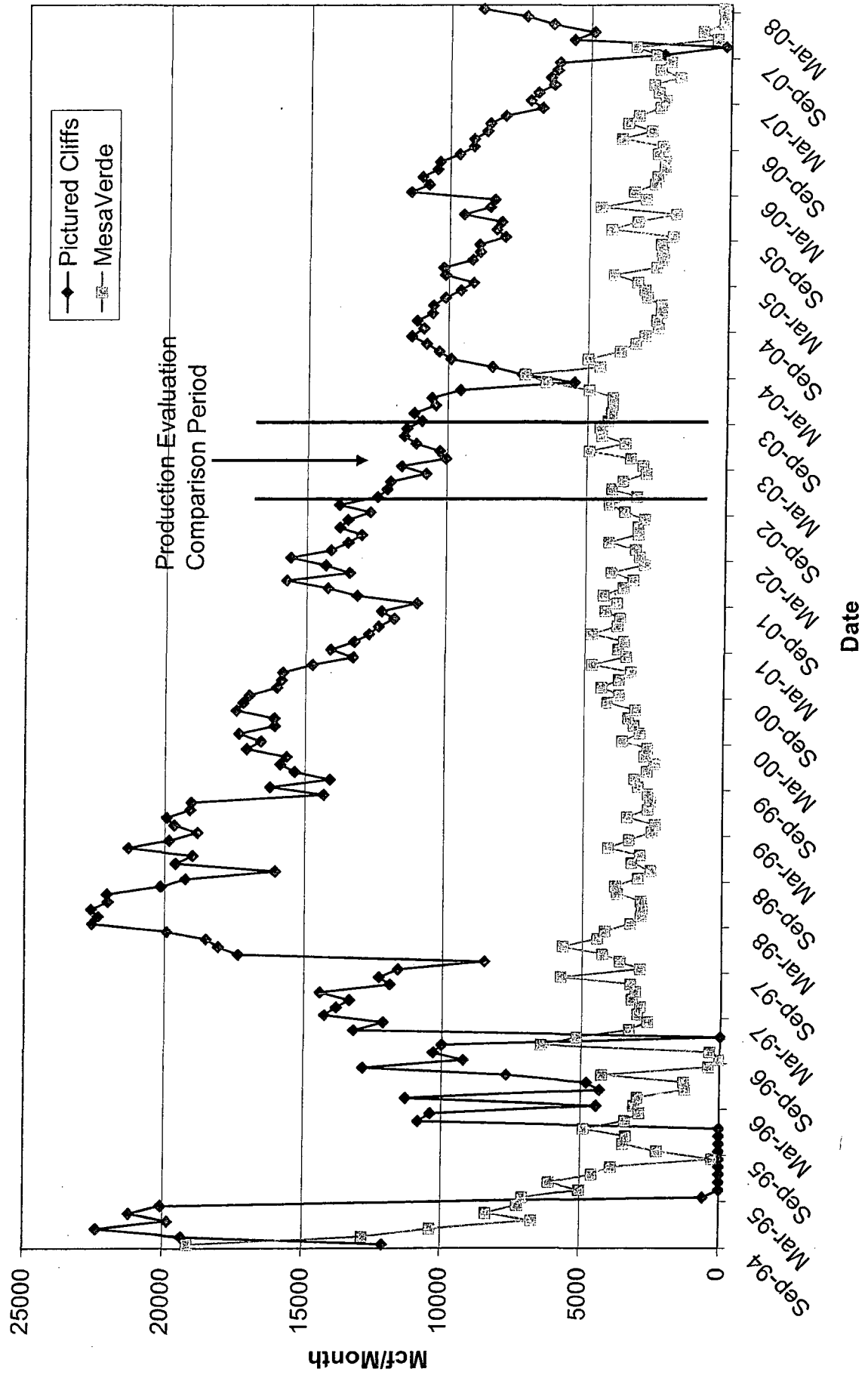
PC allocation = PC prod / Total prod = 99,564 Mcf / 134,303 Mcf = 74%

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

Rosa #18A Production Evaluation Comparison Period



Rosa #18A PC/MV Total Production



Pictured Cliffs Production		
LEASE	PRODVAL	PRODDATE
ROSA UNIT # 18A PC	12087	30-Sep-94
ROSA UNIT # 18A PC	19315	31-Oct-94
ROSA UNIT # 18A PC	22348	30-Nov-94
ROSA UNIT # 18A PC	19809	31-Dec-94
ROSA UNIT # 18A PC	21174	31-Jan-95
ROSA UNIT # 18A PC	20058	28-Feb-95
ROSA UNIT # 18A PC	591	31-Mar-95
ROSA UNIT # 18A PC	0	30-Apr-95
ROSA UNIT # 18A PC	0	31-May-95
ROSA UNIT # 18A PC	0	30-Jun-95
ROSA UNIT # 18A PC	0	31-Jul-95
ROSA UNIT # 18A PC	0	31-Aug-95
ROSA UNIT # 18A PC	0	30-Sep-95
ROSA UNIT # 18A PC	0	31-Oct-95
ROSA UNIT # 18A PC	0	30-Nov-95
ROSA UNIT # 18A PC	0	31-Dec-95
ROSA UNIT # 18A PC	10820	31-Jan-96
ROSA UNIT # 18A PC	10374	29-Feb-96
ROSA UNIT # 18A PC	4433	31-Mar-96
ROSA UNIT # 18A PC	11276	30-Apr-96
ROSA UNIT # 18A PC	4325	31-May-96
ROSA UNIT # 18A PC	4792	30-Jun-96
ROSA UNIT # 18A PC	7637	31-Jul-96
ROSA UNIT # 18A PC	12835	31-Aug-96
ROSA UNIT # 18A PC	9205	30-Sep-96
ROSA UNIT # 18A PC	10285	31-Oct-96
ROSA UNIT # 18A PC	9990	30-Nov-96
ROSA UNIT # 18A PC	0	31-Dec-96
ROSA UNIT # 18A PC	13187	31-Jan-97
ROSA UNIT # 18A PC	12119	28-Feb-97
ROSA UNIT # 18A PC	14242	31-Mar-97
ROSA UNIT # 18A PC	13817	30-Apr-97
ROSA UNIT # 18A PC	13343	31-May-97
ROSA UNIT # 18A PC	14412	30-Jun-97
ROSA UNIT # 18A PC	11876	31-Jul-97
ROSA UNIT # 18A PC	12279	31-Aug-97
ROSA UNIT # 18A PC	11588	30-Sep-97
ROSA UNIT # 18A PC	8467	31-Oct-97
ROSA UNIT # 18A PC	17341	30-Nov-97
ROSA UNIT # 18A PC	18055	31-Dec-97
ROSA UNIT # 18A PC	18494	31-Jan-98
ROSA UNIT # 18A PC	19895	28-Feb-98
ROSA UNIT # 18A PC	22554	31-Mar-98
ROSA UNIT # 18A PC	22337	30-Apr-98
ROSA UNIT # 18A PC	22587	31-May-98
ROSA UNIT # 18A PC	21991	30-Jun-98
ROSA UNIT # 18A PC	22022	31-Jul-98
ROSA UNIT # 18A PC	20122	31-Aug-98
ROSA UNIT # 18A PC	19236	30-Sep-98
ROSA UNIT # 18A PC	16040	31-Oct-98
ROSA UNIT # 18A PC	19582	30-Nov-98
ROSA UNIT # 18A PC	18985	31-Dec-98
ROSA UNIT # 18A PC	21264	31-Jan-99
ROSA UNIT # 18A PC	19818	28-Feb-99
ROSA UNIT # 18A PC	18815	31-Mar-99
ROSA UNIT # 18A PC	19635	30-Apr-99
ROSA UNIT # 18A PC	19907	31-May-99
ROSA UNIT # 18A PC	19082	30-Jun-99
ROSA UNIT # 18A PC	19039	31-Jul-99
ROSA UNIT # 18A PC	14311	31-Aug-99
ROSA UNIT # 18A PC	16234	30-Sep-99
ROSA UNIT # 18A PC	14088	31-Oct-99
ROSA UNIT # 18A PC	15356	30-Nov-99
ROSA UNIT # 18A PC	15874	31-Dec-99
ROSA UNIT # 18A PC	15644	31-Jan-00
ROSA UNIT # 18A PC	17069	29-Feb-00
ROSA UNIT # 18A PC	16561	31-Mar-00
ROSA UNIT # 18A PC	17350	30-Apr-00
ROSA UNIT # 18A PC	16075	31-May-00
ROSA UNIT # 18A PC	16091	30-Jun-00
ROSA UNIT # 18A PC	17451	31-Jul-00
ROSA UNIT # 18A PC	17215	31-Aug-00
ROSA UNIT # 18A PC	16989	30-Sep-00
ROSA UNIT # 18A PC	16003	31-Oct-00
ROSA UNIT # 18A PC	15841	30-Nov-00
ROSA UNIT # 18A PC	15794	31-Dec-00
ROSA UNIT # 18A PC	14744	31-Jan-01
ROSA UNIT # 18A PC	13288	28-Feb-01
ROSA UNIT # 18A PC	14101	31-Mar-01
ROSA UNIT # 18A PC	13267	30-Apr-01
ROSA UNIT # 18A PC	12744	31-May-01
ROSA UNIT # 18A PC	12394	30-Jun-01
ROSA UNIT # 18A PC	11833	31-Jul-01
ROSA UNIT # 18A PC	12285	31-Aug-01
ROSA UNIT # 18A PC	11015	30-Sep-01
ROSA UNIT # 18A PC	13178	31-Oct-01

Mesa Verde Production		
LEASE	PRODVAL	PRODDATE
ROSA UNIT # 18A MV	19099	30-Sep-94
ROSA UNIT # 18A MV	12823	31-Oct-94
ROSA UNIT # 18A MV	10350	30-Nov-94
ROSA UNIT # 18A MV	6687	31-Dec-94
ROSA UNIT # 18A MV	8347	31-Jan-95
ROSA UNIT # 18A MV	7203	28-Feb-95
ROSA UNIT # 18A MV	7017	31-Mar-95
ROSA UNIT # 18A MV	5016	30-Apr-95
ROSA UNIT # 18A MV	6105	31-May-95
ROSA UNIT # 18A MV	4578	30-Jun-95
ROSA UNIT # 18A MV	3886	31-Jul-95
ROSA UNIT # 18A MV	257	31-Aug-95
ROSA UNIT # 18A MV	2256	30-Sep-95
ROSA UNIT # 18A MV	3467	31-Oct-95
ROSA UNIT # 18A MV	3364	30-Nov-95
ROSA UNIT # 18A MV	4869	31-Dec-95
ROSA UNIT # 18A MV	3409	31-Jan-96
ROSA UNIT # 18A MV	2886	29-Feb-96
ROSA UNIT # 18A MV	3083	31-Mar-96
ROSA UNIT # 18A MV	2960	30-Apr-96
ROSA UNIT # 18A MV	1247	31-May-96
ROSA UNIT # 18A MV	1298	30-Jun-96
ROSA UNIT # 18A MV	4244	31-Jul-96
ROSA UNIT # 18A MV	403	31-Aug-96
ROSA UNIT # 18A MV	0	30-Sep-96
ROSA UNIT # 18A MV	363	31-Oct-96
ROSA UNIT # 18A MV	6413	30-Nov-96
ROSA UNIT # 18A MV	5157	31-Dec-96
ROSA UNIT # 18A MV	3280	31-Jan-97
ROSA UNIT # 18A MV	2632	28-Feb-97
ROSA UNIT # 18A MV	2996	31-Mar-97
ROSA UNIT # 18A MV	2902	30-Apr-97
ROSA UNIT # 18A MV	3196	31-May-97
ROSA UNIT # 18A MV	3061	30-Jun-97
ROSA UNIT # 18A MV	3249	31-Jul-97
ROSA UNIT # 18A MV	5734	31-Aug-97
ROSA UNIT # 18A MV	2906	30-Sep-97
ROSA UNIT # 18A MV	3635	31-Oct-97
ROSA UNIT # 18A MV	4259	30-Nov-97
ROSA UNIT # 18A MV	5655	31-Dec-97
ROSA UNIT # 18A MV	4446	31-Jan-98
ROSA UNIT # 18A MV	4185	28-Feb-98
ROSA UNIT # 18A MV	3268	31-Mar-98
ROSA UNIT # 18A MV	2886	30-Apr-98
ROSA UNIT # 18A MV	2856	31-May-98
ROSA UNIT # 18A MV	2903	30-Jun-98
ROSA UNIT # 18A MV	3751	31-Jul-98
ROSA UNIT # 18A MV	3832	31-Aug-98
ROSA UNIT # 18A MV	3013	30-Sep-98
ROSA UNIT # 18A MV	2559	31-Oct-98
ROSA UNIT # 18A MV	3239	30-Nov-98
ROSA UNIT # 18A MV	2941	31-Dec-98
ROSA UNIT # 18A MV	4093	31-Jan-99
ROSA UNIT # 18A MV	3345	28-Feb-99
ROSA UNIT # 18A MV	2526	31-Mar-99
ROSA UNIT # 18A MV	2421	30-Apr-99
ROSA UNIT # 18A MV	3433	31-May-99
ROSA UNIT # 18A MV	2675	30-Jun-99
ROSA UNIT # 18A MV	2583	31-Jul-99
ROSA UNIT # 18A MV	2681	31-Aug-99
ROSA UNIT # 18A MV	3043	30-Sep-99
ROSA UNIT # 18A MV	3170	31-Oct-99
ROSA UNIT # 18A MV	2725	30-Nov-99
ROSA UNIT # 18A MV	2453	31-Dec-99
ROSA UNIT # 18A MV	2820	31-Jan-00
ROSA UNIT # 18A MV	2711	29-Feb-00
ROSA UNIT # 18A MV	3613	31-Mar-00
ROSA UNIT # 18A MV	2976	30-Apr-00
ROSA UNIT # 18A MV	3205	31-May-00
ROSA UNIT # 18A MV	3408	30-Jun-00
ROSA UNIT # 18A MV	3164	31-Jul-00
ROSA UNIT # 18A MV	4159	31-Aug-00
ROSA UNIT # 18A MV	3729	30-Sep-00
ROSA UNIT # 18A MV	4377	31-Oct-00
ROSA UNIT # 18A MV	3749	30-Nov-00
ROSA UNIT # 18A MV	3328	31-Dec-00
ROSA UNIT # 18A MV	4714	31-Jan-01
ROSA UNIT # 18A MV	3497	28-Feb-01
ROSA UNIT # 18A MV	3796	31-Mar-01
ROSA UNIT # 18A MV	3598	30-Apr-01
ROSA UNIT # 18A MV	4752	31-May-01
ROSA UNIT # 18A MV	3835	30-Jun-01
ROSA UNIT # 18A MV	3739	31-Jul-01
ROSA UNIT # 18A MV	4271	31-Aug-01
ROSA UNIT # 18A MV	3862	30-Sep-01
ROSA UNIT # 18A MV	4347	31-Oct-01

ROSA UNIT # 18A PC	14223	30-Nov-01	ROSA UNIT # 18A MV	3634	30-Nov-01
ROSA UNIT # 18A PC	15701	31-Dec-01	ROSA UNIT # 18A MV	3284	31-Dec-01
ROSA UNIT # 18A PC	13451	31-Jan-02	ROSA UNIT # 18A MV	4079	31-Jan-02
ROSA UNIT # 18A PC	14315	28-Feb-02	ROSA UNIT # 18A MV	2882	28-Feb-02
ROSA UNIT # 18A PC	15572	31-Mar-02	ROSA UNIT # 18A MV	3054	31-Mar-02
ROSA UNIT # 18A PC	14117	30-Apr-02	ROSA UNIT # 18A MV	3213	30-Apr-02
ROSA UNIT # 18A PC	13512	31-May-02	ROSA UNIT # 18A MV	4166	31-May-02
ROSA UNIT # 18A PC	13025	30-Jun-02	ROSA UNIT # 18A MV	3106	30-Jun-02
ROSA UNIT # 18A PC	13809	31-Jul-02	ROSA UNIT # 18A MV	3115	31-Jul-02
ROSA UNIT # 18A PC	13521	31-Aug-02	ROSA UNIT # 18A MV	2893	31-Aug-02
ROSA UNIT # 18A PC	12723	30-Sep-02	ROSA UNIT # 18A MV	3603	30-Sep-02
ROSA UNIT # 18A PC	13820	31-Oct-02	ROSA UNIT # 18A MV	4154	31-Oct-02
ROSA UNIT # 18A PC	12462	30-Nov-02	ROSA UNIT # 18A MV	3178	30-Nov-02
ROSA UNIT # 18A PC	12116	31-Dec-02	ROSA UNIT # 18A MV	4074	31-Dec-02
ROSA UNIT # 18A PC	12002	31-Jan-03	ROSA UNIT # 18A MV	3677	31-Jan-03
ROSA UNIT # 18A PC	10712	28-Feb-03	ROSA UNIT # 18A MV	2844	28-Feb-03
ROSA UNIT # 18A PC	11602	31-Mar-03	ROSA UNIT # 18A MV	2958	31-Mar-03
ROSA UNIT # 18A PC	10014	30-Apr-03	ROSA UNIT # 18A MV	3427	30-Apr-03
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ROSA UNIT # 18A PC	11444	31-Aug-03	ROSA UNIT # 18A MV	4545	31-Aug-03
ROSA UNIT # 18A PC	10898	30-Sep-03	ROSA UNIT # 18A MV	4255	30-Sep-03
ROSA UNIT # 18A PC	11183	31-Oct-03	ROSA UNIT # 18A MV	4143	31-Oct-03
ROSA UNIT # 18A PC	10405	30-Nov-03	ROSA UNIT # 18A MV	4089	30-Nov-03
ROSA UNIT # 18A PC	10548	31-Dec-03	ROSA UNIT # 18A MV	4084	31-Dec-03
ROSA UNIT # 18A PC	9527	31-Jan-04	ROSA UNIT # 18A MV	4939	31-Jan-04
ROSA UNIT # 18A PC	5471	29-Feb-04	ROSA UNIT # 18A MV	6462	29-Feb-04
ROSA UNIT # 18A PC	7312	31-Mar-04	ROSA UNIT # 18A MV	7204	31-Mar-04
ROSA UNIT # 18A PC	8391	30-Apr-04	ROSA UNIT # 18A MV	4560	30-Apr-04
ROSA UNIT # 18A PC	9883	31-May-04	ROSA UNIT # 18A MV	4993	31-May-04
ROSA UNIT # 18A PC	10308	30-Jun-04	ROSA UNIT # 18A MV	3830	30-Jun-04
ROSA UNIT # 18A PC	10761	31-Jul-04	ROSA UNIT # 18A MV	3289	31-Jul-04
ROSA UNIT # 18A PC	11303	31-Aug-04	ROSA UNIT # 18A MV	2967	31-Aug-04
ROSA UNIT # 18A PC	10864	30-Sep-04	ROSA UNIT # 18A MV	2497	30-Sep-04
ROSA UNIT # 18A PC	11110	31-Oct-04	ROSA UNIT # 18A MV	2558	31-Oct-04
ROSA UNIT # 18A PC	10548	30-Nov-04	ROSA UNIT # 18A MV	2395	30-Nov-04
ROSA UNIT # 18A PC	10521	31-Dec-04	ROSA UNIT # 18A MV	2381	31-Dec-04
ROSA UNIT # 18A PC	10092	31-Jan-05	ROSA UNIT # 18A MV	2901	31-Jan-05
ROSA UNIT # 18A PC	9541	28-Feb-05	ROSA UNIT # 18A MV	2988	28-Feb-05
ROSA UNIT # 18A PC	9094	31-Mar-05	ROSA UNIT # 18A MV	3247	31-Mar-05
ROSA UNIT # 18A PC	10103	30-Apr-05	ROSA UNIT # 18A MV	4098	30-Apr-05
ROSA UNIT # 18A PC	10165	31-May-05	ROSA UNIT # 18A MV	2578	31-May-05
ROSA UNIT # 18A PC	9132	30-Jun-05	ROSA UNIT # 18A MV	2345	30-Jun-05
ROSA UNIT # 18A PC	8872	31-Jul-05	ROSA UNIT # 18A MV	2390	31-Jul-05
ROSA UNIT # 18A PC	8902	31-Aug-05	ROSA UNIT # 18A MV	2448	31-Aug-05
ROSA UNIT # 18A PC	7971	30-Sep-05	ROSA UNIT # 18A MV	2026	30-Sep-05
ROSA UNIT # 18A PC	8283	31-Oct-05	ROSA UNIT # 18A MV	4210	31-Oct-05
ROSA UNIT # 18A PC	8106	30-Nov-05	ROSA UNIT # 18A MV	3284	30-Nov-05
ROSA UNIT # 18A PC	9469	31-Dec-05	ROSA UNIT # 18A MV	1911	31-Dec-05
ROSA UNIT # 18A PC	8524	31-Jan-06	ROSA UNIT # 18A MV	4590	31-Jan-06
ROSA UNIT # 18A PC	8354	28-Feb-06	ROSA UNIT # 18A MV	2991	28-Feb-06
ROSA UNIT # 18A PC	11372	31-Mar-06	ROSA UNIT # 18A MV	3419	31-Mar-06
ROSA UNIT # 18A PC	10728	30-Apr-06	ROSA UNIT # 18A MV	2669	30-Apr-06
ROSA UNIT # 18A PC	10967	31-May-06	ROSA UNIT # 18A MV	2591	31-May-06
ROSA UNIT # 18A PC	10428	30-Jun-06	ROSA UNIT # 18A MV	2334	30-Jun-06
ROSA UNIT # 18A PC	10339	31-Jul-06	ROSA UNIT # 18A MV	2313	31-Jul-06
ROSA UNIT # 18A PC	9636	31-Aug-06	ROSA UNIT # 18A MV	2583	31-Aug-06
ROSA UNIT # 18A PC	9121	30-Sep-06	ROSA UNIT # 18A MV	2385	30-Sep-06
ROSA UNIT # 18A PC	9114	31-Oct-06	ROSA UNIT # 18A MV	3855	31-Oct-06
ROSA UNIT # 18A PC	8648	30-Nov-06	ROSA UNIT # 18A MV	2795	30-Nov-06
ROSA UNIT # 18A PC	8538	31-Dec-06	ROSA UNIT # 18A MV	3631	31-Dec-06
ROSA UNIT # 18A PC	7985	31-Jan-07	ROSA UNIT # 18A MV	3253	31-Jan-07
ROSA UNIT # 18A PC	6679	28-Feb-07	ROSA UNIT # 18A MV	2487	28-Feb-07
ROSA UNIT # 18A PC	7099	31-Mar-07	ROSA UNIT # 18A MV	2310	31-Mar-07
ROSA UNIT # 18A PC	6827	30-Apr-07	ROSA UNIT # 18A MV	2555	30-Apr-07
ROSA UNIT # 18A PC	6271	31-May-07	ROSA UNIT # 18A MV	2716	31-May-07
ROSA UNIT # 18A PC	6393	30-Jun-07	ROSA UNIT # 18A MV	1792	30-Jun-07
ROSA UNIT # 18A PC	6165	31-Jul-07	ROSA UNIT # 18A MV	2497	31-Jul-07
ROSA UNIT # 18A PC	6087	31-Aug-07	ROSA UNIT # 18A MV	2144	31-Aug-07
ROSA UNIT # 18A PC	2388	30-Sep-07	ROSA UNIT # 18A MV	2680	30-Sep-07
ROSA UNIT # 18A PC	192	31-Oct-07	ROSA UNIT # 18A MV	3376	31-Oct-07
ROSA UNIT # 18A PC	5590	30-Nov-07	ROSA UNIT # 18A MV	500	30-Nov-07
ROSA UNIT # 18A PC	4883	31-Dec-07	ROSA UNIT # 18A MV	1011	31-Dec-07
ROSA UNIT # 18A PC	6324	31-Jan-08	ROSA UNIT # 18A MV	261	31-Jan-08
ROSA UNIT # 18A PC	7267	29-Feb-08	ROSA UNIT # 18A MV	241	29-Feb-08
ROSA UNIT # 18A PC	8823	31-Mar-08	ROSA UNIT # 18A MV	289	31-Mar-08

Production Evaluation Comparison Period