



January 16, 2004

EXPLORATION & PRODUCTION

One Williams Center
P.O. Box 3102
Tulsa, OK 74101-3102
918/573-2000

Assistant District Manager, Minerals (3 copies)
Bureau of Land Management
Farmington Resources Area
Attn: Ms. Geneva McDougall
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico (2 copies)
Commissioner of Public Lands
Attn: Mr. Pete Martinez
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico (2 copies)
Oil Conservation Division
Attn: Roy Johnson
1220 S. St. Francis
Santa Fe, NM 87505

Re: Rosa Unit I - Sec. 587
San Juan and Rio Arriba Counties, New Mexico
Mesaverde Participating Areas

Sixteen Expansion – Effective 8/01/94
Seventeenth Expansion – Effective 9/01/94
Eighteenth Expansion – Effective 11/01/94
Nineteenth Expansion – Effective 12/01/94
Twentieth Expansion – Effective 8/01/95
Twenty-first Expansion – Effective 9/01/95
Twenty-second Expansion – Effective 11/01/98
Twenty-third Expansion – Effective 8/01/00
Twenty-fourth Expansion – Effective 9/01/00
Twenty-fifth Expansion – Effective 11/01/00
Twenty-sixth Expansion – 9/01/01

Ladies & Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement I – Section Number 587, approved January 24, 1948, Williams Production Company, LLC, as Unit Operator, hereby respectfully requests approval of the referenced participating areas for the Mesaverde Formation. Pursuant to the BLM letter, attached is a list of all wells that have been deemed commercial.

Sixteenth Expansion – Effective 8/01/94

Total acres brought in to PA = 480.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #32	39	T31N R6W Sec. 21: W/2NW/4 lots 1,2,3,	105.32	SF078766
	41	T31NR6W Sec. 21: E/2NW/4,W/2NE/4	143.12	E289
	42	T31N R6W Sec. 21: E/2NE/4	71.56	E189
	33	T31N R6W Sec. 8: E/2SE/4	80.00	SF078765
	34	T31N R6W Sec. 8: W/2SE/4	80.00	Fee

Seventeenth Expansion – Effective 9/01/94

Total acres brought in to PA = 320.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #100E	39	T31N R6W Sec. 21: S/2	320.00	SF078766

Eighteenth Expansion – Effective 11/01/94

Total acres brought in to PA = 639.82

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #138	39	T31N R6W Sec. 17: E/2	320.00	SF078766
Rosa Unit #145A	39	T31N R6W Sec. 16: Lots 1,2,3, N/2NE/4 SW/NW4, N/2NW/4	319.82	SF078766

Nineteenth Expansion – Effective 12/01/94

Total acres brought in to PA = 320.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #139	39	T31N R6W Sec. 17: W/2	320.00	SF078766

Twentieth Expansion – Effective 8/01/95

Total acres brought in to PA = 640.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #147	28	T31N R5W Sec. 33: N/2	320.00	SF078773
Rosa Unit #146	17	T31N R5W Sec. 28: W/2	320.00	SF078769

Twenty-first Expansion – Effective 9/01/95

Total acres brought in to PA = 320.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #153	17	T31N R5W Sec. 17: E/2	320.00	SF078769

Twenty-second Expansion – Effective 11/01/98

Total acres brought in to PA = 320.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #168	17	T31N R5W Sec. 28: E/2	320.00	SF078769

Twenty-third Expansion – Effective 8/01/00

Total acres brought in to PA = 320.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #31	17	T31N R5W Sec. 17: W/2	320.00	SF078769

Twenty-fourth Expansion – Effective 9/01/00

Total acres brought in to PA = 320.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #185A	39	T31N R6W Sec. 16: W/2SW/4	80.00	SF078766
	40	T31N R6W Sec. 16: NE/4SW/4, NW/4SE/4	63.12	E-346
	40A	T31N R6W Sec. 16: SE/4SW/4, NE/4SE/4	151.56	E-346
	41	T31N R6W Sec. 16: S/2S/2SE/4/SW/4, S/2S/2SW/4SE/4	16.88	E-289
	42	T31N R6W Sec. 16: S/2S/2SE/4SE/4	8.44	E-289

Twenty-fifth Expansion – Effective 11/01/00

Total acres brought in to PA = 640.00

<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #188	28	T31N R5W Sec. 34: W/2	320.00	SF078773
Rosa Unit #6Y	16	T31N R5W Sec. 27: S/2	320.00	SF078770

Twenty-sixth Expansion – Effective 9/01/01

Total acres brought in to PA = 600.00

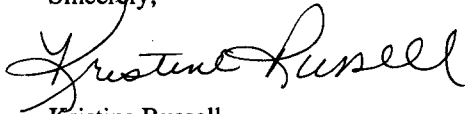
<u>Wells/No./Dedication</u>	<u>Tract #</u>	<u>Tract Description</u>	<u>Tract Acres</u>	<u>Lease No</u>
Rosa Unit #187	17	T31N R5W Sec. 21: W/2	320.00	SF078769
Rosa Unit #184	28	T31N R5W Sec. 34: SE/4, N/2NE/4, SE/4NE/4	280.00	SF078773

Attached hereto are the schedules for the Sixteenth through the Twenty-sixth expansions for the Mesaverde Participating Area. The schedules describe the Participating Area, show the percentages of ownership in the tracts, and show the percentages of unitized substances allocated to each unitized tract. Also included is a map reflecting the current participating area and the Sixteenth – Twenty-sixth expansions.

If these proposed Participating Areas as set forth herein meets with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy for our files.

Copies of this application are being sent to the Working Interest Owners shown on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (918) 573-6181.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kristine Russell".

Kristine Russell
Senior Production Analyst

Cc: Working Interest Owners
Donnie Suter-Levin
Vern Hansen
Mike Turnbaugh
Chuck Keller
Mitch Reeves
Bob McElhattan
Sheryl Marcum
Ken McQueen
MV File

Bureau of Land Management
Commissioner of Public Lands

Oil Conservation Commission

APPROVED _____ DATE _____

Assistant District Manager, Minerals
Bureau of Land Management
Subject to like approval by the Commissioner of Public Lands
And the Oil Conservation Commission

APPROVED _____ DATE _____

Commissioner of Public lands
Subject to like approval by the Area Oil & Gas Supervisor
And the Oil Conservation Commission

APPROVED _____ DATE _____

Oil Conservation Commission
Subject to like approval by the Area Oil & Gas Supervisor
And the Commissioners of Public Lands

The foregoing are approvals for the SIXTEENTH through the TWENTY-SIXTH Participating Area in the Mesaverde formation of the Rosa Unit I - Sec. 587.

ROSA UNIT WORKING INTEREST OWNERS

AMOCO PRODUCTION COMPANY
ATTN: HILARY SEARLES
P O BOX 800
DENVER, CO 80201

MR. FRANK A SCHULTZ
LINCOLN PLAZA, #2160 LO-1
500 NORTH ARARD
DALLAS, TX 75606-4079

MS. ELIZABETH T. CALLOWAY
4801 ST. JOHNS DRIVE
DALLAS, TX 75205

MR. FRED E. TURNER LLC
ONE ENERGY SQUARE, #852
4925 GREENVILLE AVENUE
DALLAS, TX 75206-4079

COASTAL OIL & GAS CORPORATION
ATTN: BART VALLS
P O BOX 719
BELLAIRE, TX 77402-0719

CROSS TIMBERS OIL COMPANY
ATTN: EDWIN S. RYAN, JR.
810 HOUSTON ST, STE 2000
FORT WORTH, TX 76102-6298

MR. J. GLENN TURNER, JR. LLC
3131 TURTLE CREEK BLVD.
#1201
DALLAS, TX 57219

J. K. EDWARDS ASSOCIATES
ATTN: KEITH EDWARDS
1401 17th STREET, SUITE 1400
DENVER, CO 80202

MARY FRANCES TURNER, JR TRUST
ATTN: IRIS GLEISER
P O BOX 660197
DALLAS, TX 75266-0197

MR. JOHN TURNER
P O BOX 33610
KERRVILLE, TX 78029-3610

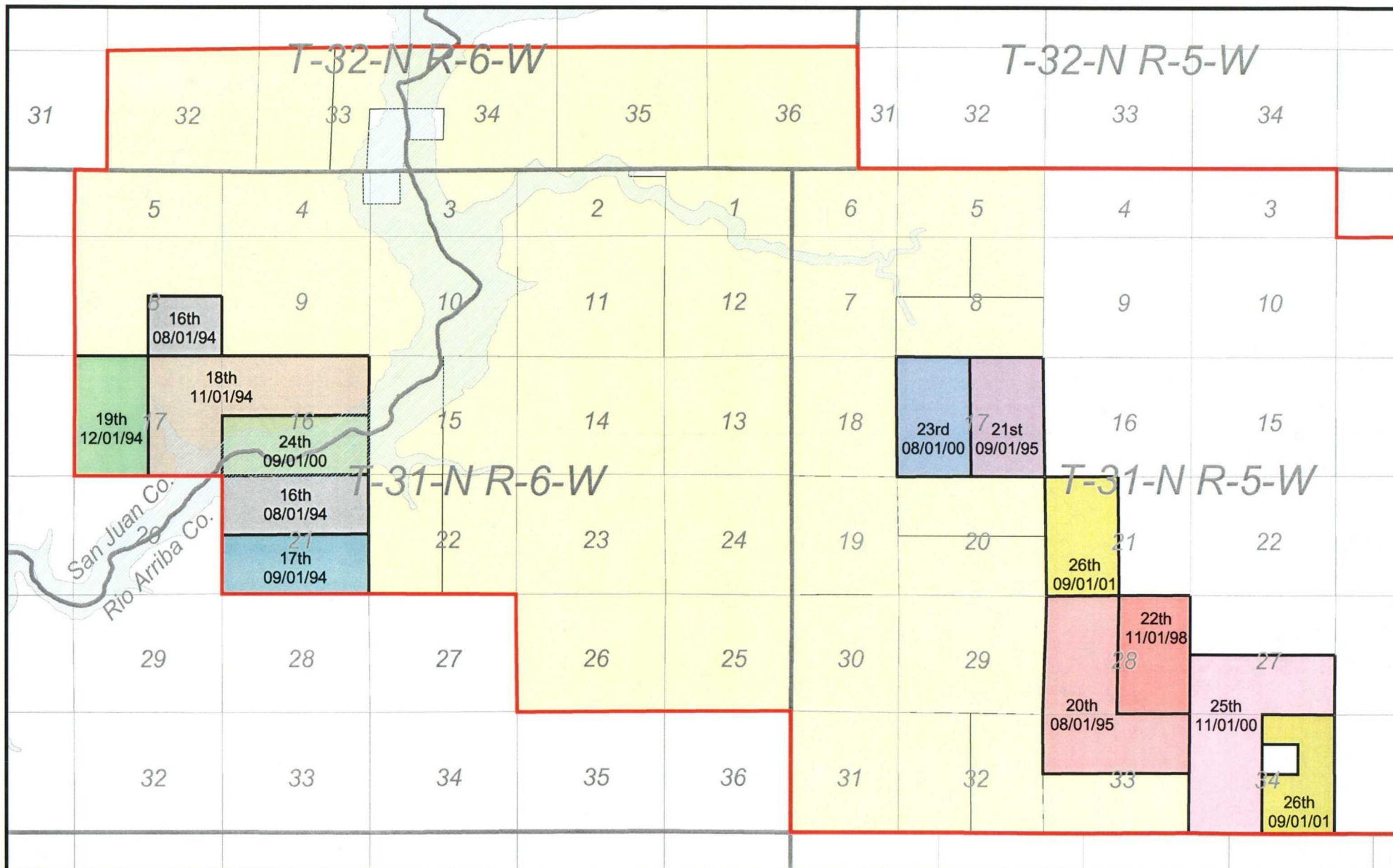
MS. PATRICIA PENROSE SCHIEFFER, TRUSTEE
ATTN: J. THOMAS SCHIEFFER
1000 BALLPARK WAY, #300
ARLINGTON, TX 76102

THE WISER OIL COMPANY
ATTN: LAURIE BLOCK
8115 PRESTON ROAD, #400
DALLAS, TX 75225

VIRGINIA WEBB PAYNE
8226 DOUGLAS AVENUE, SUITE 709
DALLAS, TX 75225-5929

PHILLIPS PETROLEUM CO.
ATTN: S. SCOTT PRATHER
5525 HWY 64 NBU 3004
FARMINGTON, NM 87401

MALLON OIL COMPANY
999 18th STREET, SUITE 1700
DENVER, CO 80202



Rosa Unit
Participating Area

- 16th
- 17th
- 18th
- 19th
- 20th
- 21st
- 22nd
- 23rd
- 24th
- 25th
- 26th
- INIT - 15th Participating Area

3000 0 3000 6000 Feet



Exploration & Production



Rosa Unit
MV Formation

Scale: 1:72000

Projection: No Projection

Date: 1/14/2004

Author: Chuck Fessler

**SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/94**

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078763	T31N R5W			<u>Tract 13</u>			
	Sec 5: ALL		527.96	WORKING INTEREST			2.803983%
	Sec 8: NE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	#41, #41A, #41B, #46A			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
	T31N R5W						1.699512%
	Sec 8: S/2		320.00	WORKING INTEREST			
	#46A, #80, #80A			Williams Production Co. LLC	23.000000%	20.125000%	
	#80A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
SF-078767	T31N R5W			<u>Tract 14</u>			
	Sec 6: ALL		2518.04	WORKING INTEREST			13.373251%
	Sec 7: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
	T31N R6W			ORRI		0.000000%	
	Sec 12: ALL				100.000000%	100.000000%	
	Sec 13: ALL						
	Sec 24: ALL						
	#72, #72A, #171, #171A, #171B, #171C, #154, #154A						
	#80, #80A, #149, #149A, #30, #30A, #30B, #149B						
	#125, #125E, #10, #10B, #66M, #19, #19B, #163						
	#163A, #101M						
	#30A, #72A, #149A, #154, #154A, #163, #163A, #171, #171A BP NON-CONSENT						
	#80A BP NON-CONSENT						
SF-078764	T31N R5W			<u>Tract 18</u>			
	Sec 18: ALL		2187.30	WORKING INTEREST			11.616698%
	Sec 19: Lots 1,4, E/2E/2, NW/4NE/4, SW/4SE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 20: SE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ROYALTY		12.500000%	
	Sec 30: ALL			ORRI		0.000000%	
	Sec 31: ALL				100.000000%	100.000000%	
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						

**SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/94**

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078764	T31N R5W Sec 20: N/2 #85, #85A #85A BP NON-CONSENT		320.00	WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District	23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000%	1.699512%
				ROYALTY ORRI	100.000000% 100.000000%	0.000000% 100.000000%	
Fee	T31N R5W Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4 #183, #183A, #159, #159A #159A, #183, #183A BP NON-CONSENT		152.22	TRACT 19 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 0.000000% 100.000000%	63.875000% 23.625000% 12.500000% 0.000000%	0.808437%
Fee	T31N R5W Sec 20: SW/4 Sec 29: NW/4 #17, #17A, #17B, #64M, #23, #23B #17A BP NON-CONSENT		320.00	TRACT 20 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 12.500000% 0.000000%	63.875000% 23.625000% 12.500000% 0.000000%	1.699512%
SF-079165	T31N R5W Sec 29: S/2NE/4, E/2SE/4 #15, #15A		160.00	TRACT 21 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 12.500000% 0.000000%	63.875000% 23.625000% 12.500000% 0.000000%	0.849756%
E-347-56	T31N R5W Sec 32: NW/4 #24, #24A, #24B, #24C		160.00	TRACT 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co. ROYALTY ORRI	86.944599% 13.055401% 12.500000% 0.000000%	76.076524% 11.423478% 12.500000% 0.000000%	0.849756%
E-347-48	T31N R5W Sec 32: NE/4 #26, #26A, #26B		160.00	TRACT 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 0.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000%	0.849756%

SCHEDULE XVII

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-347-55	T31N R5W Sec 32, S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	Tract 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	65.625000% 12.500000% 21.875000%	1.699512%
SF-078773	T31N R5W Sec 33, S/2 #77, #77A, #77B		320.00	Tract 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000%	1.699512%
SF-078772	T31N R6W Sec 1: ALL Sec 3: Lots 5,6,7,8,9, SE/4, E/2SW/4, SW/4SW/4 Sec 4: Lots 5,6,7,8,9, N/2SW/4 NW/4SE/4, SE/4SE/4		1161.86	Tract 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	63.875000% 23.625000% 12.500000% 0.000000%	6.170611%
	T32N R6W Sec 33, W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT				100.000000%	100.000000%	
SF-078772	T32N R6W Sec 33, NE/4, W/2SE/4 Sec 34, E/2, E/2W/2, SW/4SW/4 Sec 35, ALL #90A, #89, #89A, #89C, #129, #129A, #91, #91A, #91B, #91C, #44, #44A, #44B #44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT		1400.00	WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000%	7.435367%
E-289-53	T31N R6W Sec 2: Lots 6,7,8, S/2 #148, #148A, #148B #148A BP NON-CONSENT		346.91	Tract 30 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	62.050000% 22.950000% 12.500000% 2.500000%	1.842431%
					100.000000%	100.000000%	

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Uncommitted	T31N R6W	9.35		Tract 31			0.000000%
	Sec 2: Lots 5, #148, #149A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.000000%
	Sec 3 & 4 a portion thereof designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E2SE4						
	Sec 34: NW4SW4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W		2220.23	Tract 33			11.791589%
	Sec 4: S2SW4, SW4SE4			WORKING INTEREST	73.000000%	63.875000%	
	Sec 5: ALL			Williams Production Co. LLC	27.000000%	23.825000%	
	Sec 8: NW4, E2NE4			Sacramento Municipal Utility District		12.500000%	
	Sec 9: ALL			ROYALTY	100.000000%	100.000000%	
	Sec 10: Lots 1,2,3, E2E2, NW4						
	Sec 15: Lots 1,2, E2SW4, E2						
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						
SF-078765	T31N R6W		240.00	Tract 34			1.274634%
	Sec 8: SW4, E2SE4			WORKING INTEREST	23.000000%	20.125000%	
	#88, #88A, #167, #167A, #167B,			Williams Production Co. LLC	50.000000%	43.750000%	
	#167, #167A, BP NON-CONSENT			BP America Production Co	27.000000%	23.825000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY	100.000000%	100.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W		80.00	Tract 34			0.424878%
	Sec 8: W2SE4			WORKING INTEREST	23.000000%	20.125000%	
	#167, #167A, #167B			Williams Production Co. LLC	50.000000%	43.750000%	
	#167 & #167A BP NON-CONSENT			BP America Production Co	27.000000%	23.825000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY	100.000000%	100.000000%	
				ORRI	100.000000%	100.000000%	

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Fee	T31N R6W						
	Sec 8 : W/2NE/4		80.00	WORKING INTEREST	73.000000%	63.875000%	0.424878%
	#167, #167A, #167B			Williams Production Co. LLC	27.000000%	23.625000%	
	#167 & #167A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY	0.000000%	0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W						
	Sec 10: W/2E/2		160.00	WORKING INTEREST	73.000000%	63.875000%	0.849756%
	#181, #181A			Williams Production Co. LLC	27.000000%	23.625000%	
	#181, #181A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY	0.000000%	0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W						
	Sec 10: Tract 38		161.52	WORKING INTEREST	73.000000%	59.881900%	0.857829%
	Sec 15: Tract 38			Williams Production Co. LLC	27.000000%	22.148100%	
	#25A, #75, #75A			Sacramento Municipal Utility District		12.500000%	
	#25A, #75, #75A BP NON-CONSENT			ROYALTY	5.470000%	5.470000%	
				ORRI	100.000000%	100.000000%	
SF-078771	T31N R6W						
	Sec 11: ALL		2560.00	WORKING INTEREST	73.000000%	63.875000%	13.596099%
	Sec 14: ALL			Williams Production Co. LLC	27.000000%	23.625000%	
	Sec 23: ALL			Sacramento Municipal Utility District		12.500000%	
	Sec 26: ALL			ROYALTY	0.000000%	0.000000%	
	#1E, #9, #9A, #9B, #36, #36B,			ORRI	100.000000%	100.000000%	
	#16, #16A, #16B, #16C, #20, #20A,						
	#20B, #20C						
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W						
	Sec 15 Tract 39		80.00	WORKING INTEREST	73.000000%	63.875000%	0.424878%
	Also described as the E/2NE/4 of the resurveyed tracts lying in section 15, 16, 21 & 22			Williams Production Co. LLC	27.000000%	23.625000%	
	#25A			Sacramento Municipal Utility District		12.500000%	
	#25A BP NON-CONSENT			ROYALTY	0.000000%	0.000000%	
				ORRI	100.000000%	100.000000%	

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078766	T31N R6W Sec 22: E/2 Sec 25: ALL #18, #18A #160, #160A, #165, #165A, #165B, #165C #160, #160A, #165, #165A BP NON-CONSENT		864.48	Tract 39 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000%	63.8750000%	4.591233%
SF-078766	T31N R6W Sec 21: Lots 1,2,3, W/2NW/4, Sec 22: Lot 1, SW/4, E/2NW/4 #170, #32, #32A, #32B, #32C #79, #79A, #79B #32, #32A, #170 BP NON-CONSENT		353.73	WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000%	20.1250000%	1.878652%
E-289	T31N R6W Sec 21: 71.56 out of the E/2NW/4, 71.56 out of the W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 16 #32, #32A, #32B, #32C, #32, #32A WISER NON-CONSENT		143.12	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.0000000%	87.5000000%	0.760107%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		71.56	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000%	19.5500000%	0.390053%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as E/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #25A, #79, #79A, #79B #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	82.5000000%	0.424878%
E-504-15	T32N R6W Sec 32: W/2 #150, #150A, #150B #150A BP NON-CONSENT		320.00	Tract 44 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	84.5000000%	1.699512%
E-504-17	T32N R6W Sec 32: E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	Tract 45 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	65.6250000%	1.699512%

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Fee	T32N R6W			<u>Tract 46</u>			
	Sec 34: W/2NW/4		80.00	WORKING INTEREST	23.000000%	20.125000%	0.424878%
	#129, #129A			Williams Production Co. LLC	50.000000%	43.750000%	
	#129, #129A BP NON-CONSENT			BP America Production Co.	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
E-346-30	T32N R6W			<u>Tract 47</u>			
	Sec 36: W/2		320.00	WORKING INTEREST	73.000000%	63.875000%	1.699512%
	#152, #152A, #152B			Williams Production Co. LLC	27.000000%	23.625000%	
	#152A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
E-346-33	T32N R6W			<u>Tract 48</u>			
	Sec 36: E/2		320.00	WORKING INTEREST	100.000000%	65.625000%	1.699512%
	#34, #34A, #34B, #34C			Williams Production Co. LLC		12.500000%	
	#34A BP NON-CONSENT			ROYALTY		21.875000%	
				ORRI	100.000000%	100.000000%	
			167.47				100.000000%
			18828.93				

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVII
SIXTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 18, 19, 20, 29, 30, 31, 32 ALL

Section 33: S/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 22, 23, 24, 25, 26: ALL

Section 21: N/2

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:

18,996.40

Total number of acres not committed to Participating Area:

167.47

Total number of acres committed to Participating Area:

18,828.93

*Portions of this acreage not committed to unit.

Effective August 1, 1994

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078763	T31N R5W			Tract 13			2.757125%
	Sec 5: ALL	527.96		WORKING INTEREST			
	Sec 6: NE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	#41, #41A, #41B, #46A			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
	T31N R5W						1.671112%
	Sec 8: S/2	320.00		WORKING INTEREST			
	#46A, #80, #80A			Williams Production Co. LLC	23.000000%	20.125000%	
	#80A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
SF-078767	T31N R5W			Tract 14			13.149769%
	Sec 6: ALL	2518.04		WORKING INTEREST			
	Sec 7: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
	T31N R6W						
	Sec 12: ALL				100.000000%	100.000000%	
	Sec 13: ALL						
	Sec 24: ALL						
	#72, #72A, #171, #171A, #171B, #171C, #154, #154A						
	#80, #80A, #149, #149A, #30, #30A, #30B, #149B						
	#125, #125E, #10, #10B, #66M, #19, #19B, #163						
	#163A, #101M						
	#30A, #72A, #149A, #154, #154A, #163, #163A, #171, #171A BP NON-CONSENT						
	#80A BP NON-CONSENT						
SF-078764	T31N R5W			Tract 18			11.422570%
	Sec 18: ALL	2187.30		WORKING INTEREST			
	Sec 19: Lots 1,4, E/E/2, NW/4NE/4, SW/4SE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 20: SE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ROYALTY		12.500000%	
	Sec 30: ALL			ORRI		0.000000%	
	Sec 31: ALL				100.000000%	100.000000%	
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078764	T31N R5W						
	Sec 20: N/2		320.00	WORKING INTEREST	23.000000%	20.125000%	1.671112%
	#85, #95A			Williams Production Co. LLC	50.000000%	43.750000%	
	#85A BP NON-CONSENT			BP America Production Co.	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R5W		152.22	TRACT 19			0.794927%
	Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4			WORKING INTEREST	73.000000%	63.875000%	
	#183, #183A, #159, #159A			Williams Production Co. LLC	27.000000%	23.625000%	
	#159A, #183, #183A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R5W			TRACT 20			1.671112%
	Sec 20: SW/4		320.00	WORKING INTEREST	73.000000%	63.875000%	
	Sec 29: NW/4			Williams Production Co. LLC	27.000000%	23.625000%	
	#17, #17A, #17B, #64M, #23, #23B			Sacramento Municipal Utility District		12.500000%	
	#17A BP NON-CONSENT			ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
SF-079165	T31N R5W			TRACT 21			0.835556%
	Sec 29: S/2NE/4, E/2SE/4		160.00	WORKING INTEREST	73.000000%	63.875000%	
	#15, #15A			Williams Production Co. LLC	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
E-347-56	T31N R5W			TRACT 25			0.835556%
	Sec 32: NW/4		160.00	WORKING INTEREST	86.944599%	76.076524%	
	#24, #24A, #24B, #24C			Williams Production Co. LLC	13.055401%	11.423476%	
				BP America Production Co		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
E-347-48	T31N R5W			TRACT 26			0.835556%
	Sec 32: NE/4		160.00	WORKING INTEREST	100.000000%	87.500000%	
	#26, #26A, #26B			Williams Production Co. LLC		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
E-347-55	T31N R5W			TRACT 27			1.671112%
	Sec 32: S/2		320.00	WORKING INTEREST	100.000000%	66.625000%	
	#24, #24A, #24B, #24C, #26, #26A, #26B			Williams Production Co. LLC		12.500000%	
				ROYALTY		21.875000%	
				ORRI	100.000000%	100.000000%	

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078773	T31N R5W Sec 33, S/2 #77, #77A, #77B		320.00	<u>Tract 28</u> WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000% 100.0000000%	20.1250000% 43.7500000% 23.6250000% 12.5000000% 0.0000000% 100.0000000%	1.671112%
SF-078772	T31N R6W Sec 1: ALL Sec 3: Lots 5,6,7,8,9, SE/4, E/2SW/4, SW/4SW/4 Sec 4: Lots 5,6,7,8,9, N/2SW/4 NW/4SE/4, SE/4SE/4		1161.86	<u>Tract 29</u> WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000% 27.0000000% 100.0000000%	63.8750000% 23.6250000% 12.5000000% 0.0000000% 100.0000000%	6.067483%
	T32N R6W Sec 33: W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT						
SF-078772	T32N R6W Sec 33: NE/4, W/2SE/4 Sec 34: E/2, E/2W/2, SW/4SW/4 Sec 35: ALL #90A, #89, #89A, #89C, #129, #129A, #91, #91A, #91B, #91C, #44, #44A, #44B #44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT		1400.00	WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000% 100.0000000%	20.1250000% 43.7500000% 23.6250000% 12.5000000% 0.0000000% 100.0000000%	7.311113%
E-289-53	T31N R6W Sec 2: Lots 6,7,8, S/2 #148, #148A, #148B #148A BP NON-CONSENT		346.91	<u>Tract 30</u> WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000% 27.0000000% 100.0000000%	62.0500000% 22.9500000% 12.5000000% 2.5000000% 100.0000000%	1.811642%
Uncommitted	T31N R6W Sec 2: Lot 5, #148, #148A, #148B This tract is not committed to the unit #148A BP NON-CONSENT	9.35		<u>Tract 31</u>			0.0000000%
Uncommitted	T31N R6W Sec 3 & 4 a portion thereof designated as Tract 37 This tract is not committed to the unit	38.12		<u>Tract 32</u>			0.0000000%

SEVENTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/94

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E/2SE/4						
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W						11.594538%
	Sec 4: S/2SW/4, SW/4SE/4	2220.23		<u>Tract 33</u> WORKING INTEREST	73.000000%	63.875000%	
	Sec 5: ALL			Williams Production Co. LLC	27.000000%	23.625000%	
	Sec 8: NW/4, E/2NE/4			Sacramento Municipal Utility District		12.500000%	
	Sec 9: ALL			ROYALTY		0.000000%	
	Sec 10: Lots 1,2,3, E/2E/2, NW/4			ORRI	100.000000%	100.000000%	
	Sec 15: Lots 1,2, E/2SW/4, E/2						
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						
SF-078765	T31N R6W						1.253334%
	Sec 8: SW/4, E/2SE/4	240.00		WORKING INTEREST	23.000000%	20.125000%	
	#88, #88A, #167, #167A, #167B,			Williams Production Co. LLC	50.000000%	43.750000%	
	#167, #167A, BP NON-CONSENT			BP America Production Co	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W						0.417778%
	Sec 8: W/2SE/4	80.00		<u>Tract 34</u> WORKING INTEREST	23.000000%	20.125000%	
	#167, #167A, #167B			Williams Production Co. LLC	50.000000%	43.750000%	
	#167 & #167A BP NON-CONSENT			BP America Production Co	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W						0.417778%
	Sec 8: W/2NE/4	80.00		WORKING INTEREST	73.000000%	63.875000%	
	#167, #167A, #167B			Williams Production Co. LLC	27.000000%	23.625000%	
	#167 & #167A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/94

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Fee	T31N R6W						
	Sec 10: W/2E2	160.00		TRACT 35 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	0.835556%
	#181, #181A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#181, #181A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI	100.000000%	0.000000%	
Fee	T31N R6W						
	Sec 10: Tract 38	161.52		TRACT 36 WORKING INTEREST Williams Production Co. LLC	73.000000%	59.881900%	0.843494%
	Sec 15: Tract 38			Sacramento Municipal Utility District	27.000000%	22.148100%	
	#25A, #75, #75A			ROYALTY		12.500000%	
	#25A, #75, #75A BP NON-CONSENT			ORRI	100.000000%	5.470000%	
						100.000000%	
SF-078771	T31N R6W			TRACT 37 WORKING INTEREST			13.368993%
	Sec 11: ALL	2560.00		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 14: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 23: ALL			ROYALTY		12.500000%	
	Sec 26: ALL			ORRI	100.000000%	0.000000%	
	#1E, #9, #9A, #9B, #36, #36B					100.000000%	
	#16, #16A, #16B, #16C, #20, #20A, #20B, #20C					100.000000%	
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W			TRACT 38 WORKING INTEREST			0.417778%
	Sec 15 Tract 39	80.00		Williams Production Co. LLC	73.000000%	63.875000%	
	Also described as the E/2NE/4 of the resurveyed tracts lying in section 15, 16, 21 & 22			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#25A			ROYALTY		12.500000%	
	#25A BP NON-CONSENT			ORRI	100.000000%	0.000000%	
						100.000000%	
SF-078766	T31N R6W			TRACT 39 WORKING INTEREST			4.514508%
	Sec 22: E/2	884.48		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 25: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#18, #18A			ROYALTY		12.500000%	
	#160, #160A, #165, #165A, #165B, #165C			ORRI	100.000000%	0.000000%	
	#160, #160A, #165, #165A BP NON-CONSENT					100.000000%	
SF-078766	T31N R6W						3.518369%
	Sec 21: Lots 1,2,3, W/2NW/4, S/2,	673.73		WORKING INTEREST	23.000000%	20.125000%	
	Sec 22: Lot 1, SW/4, E/2NW/4			Williams Production Co. LLC	50.000000%	43.750000%	
	#100E, #170, #32, #32A, #32B, #32C			BP America Production Co	27.000000%	23.625000%	
	#79, #79A, #79B			Sacramento Municipal Utility District		12.500000%	
	#32, #32A, #170 BP NON-CONSENT			ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	T31N R6W			<u>Tract 41</u>			0.747405%
E-289	Sec 21: 71.56 out of the E/2NW/4, 71.56 out of the W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22	143.12		WORKING INTEREST Wiser Oil Co.	100.000000%	87.500000%	
	#32, #32A, #32B, #32C,			ROYALTY	0.000000%	12.500000%	
	#32, #32A, WISER NON-CONSENT			ORRI	100.000000%	100.000000%	
E-289-43	T31N R6W			<u>Tract 42</u>			0.373702%
	Sec 21: 71.56 acres out of the E/2NE/4	71.56		WORKING INTEREST	23.000000%	19.550000%	
	Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	50.000000%	42.500000%	
	#32, #32A, #32B, #32C			BP America Production Co.	27.000000%	22.950000%	
	#32, #32A WISER NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY		2.500000%	
				ORRI	100.000000%	100.000000%	
E-289-50	T31N R6W			<u>Tract 43</u>			0.417778%
	Sec 15: 8.41 acres out of S/2S/2SW/4SW/4	80.00		WORKING INTEREST	100.000000%	82.500000%	
	Sec 22: 71.59 acres in the W/2NW/4			Williams Production Co. LLC		12.500000%	
	Also described as the E/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			ROYALTY		5.000000%	
	#25A, #79, #79A, #79B			ORRI	100.000000%	100.000000%	
	#25A BP NON-CONSENT						
E-504-15	T32N R6W			<u>Tract 44</u>			1.671112%
	Sec 32: W/2	320.00		WORKING INTEREST	100.000000%	84.500000%	
	#150, #150A, #150B			Williams Production Co. LLC		12.500000%	
	#150A BP NON-CONSENT			ROYALTY		3.000000%	
				ORRI	100.000000%	100.000000%	
E-504-17	T32N R6W			<u>Tract 45</u>			1.671112%
	Sec 32: E/2	320.00		WORKING INTEREST	100.000000%	85.625000%	
	#29, #29B, #29M			Williams Production Co. LLC		12.500000%	
	#29M BP NON-CONSENT			ROYALTY		21.875000%	
				ORRI	100.000000%	100.000000%	
Fee	T32N R6W			<u>Tract 46</u>			0.417778%
	Sec 34: W/2NW/4	80.00		WORKING INTEREST	23.000000%	20.125000%	
	#129, #129A			Williams Production Co. LLC	50.000000%	43.750000%	
	#129, #129A BP NON-CONSENT			BP America Production Co.	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
E-346-30	T32N R6W			<u>Tract 47</u>			1.671112%
	Sec 36: W/2	320.00		WORKING INTEREST	73.000000%	63.875000%	
	#152, #152A, #152B			Williams Production Co. LLC	27.000000%	23.625000%	
	#152A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	

SCHEDULE XVIII
SEVENTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-33	T32N R6W			Tract 48			1.671112%
	Sec 36, E/2		320.00	WORKING INTEREST	100.000000%	66.625000%	
	#34, #34A, #34B, #34C			Williams Production Co. LLC		12.500000%	
	#34A, BP NON-CONSENT			ROYALTY		21.875000%	
				ORRI	100.000000%	100.000000%	
		167.47	19148.93				100.000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXVIII
SEVENTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 18, 19, 20, 29, 30, 31, 32 ALL

Section 33: S/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24, 25, 26: ALL

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:	19,316.40
Total number of acres no committed to Participating Area:	167.47
Total number of acres committed to Participating Area:	19,148.93

*Portions of this acreage not committed to unit.

Effective September 1, 1994

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SCHEDULE XVII
EIGHTEENTH PARTICIPATING AREA FOR THE MESAVARDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/94

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078764	T31N R5W Sec 20: N/2 #85, #85A #85A BP NON-CONSENT		320.00	WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000%	1.617080%
Fee	T31N R5W Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4 #183, #183A, #159, #159A #159A, #183, #183A BP NON-CONSENT		152.22	TRACT 19 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	63.875000% 23.625000% 12.500000% 0.000000%	0.789225%
Fee	T31N R5W Sec 20: SW/4 Sec 29: NW/4 #17, #17A, #17B, #64M, #23, #23B #17A BP NON-CONSENT		320.00	TRACT 20 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	63.875000% 23.625000% 12.500000% 0.000000%	1.617080%
SF-079165	T31N R5W Sec 29: S/2NE/4, E/2SE/4 #15, #15A		160.00	TRACT 21 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	63.875000% 23.625000% 12.500000% 0.000000%	0.808540%
E-347-56	T31N R5W Sec 32: NW/4 #24, #24A, #24B, #24C		160.00	TRACT 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 13.055401%	76.075624% 11.423476% 12.500000% 0.000000%	0.808540%
E-347-48	T31N R5W Sec 32: NE/4 #26, #26A, #26B		160.00	TRACT 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	87.500000% 12.500000% 0.000000%	0.808540%

SCHEDULE XVII
EIGHTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-347-55	T31N R5W Sec 32, S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	<u>Tract 27</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	65.625000% 12.500000% 21.875000%	1.617080%
SF-078773	T31N R5W Sec 33, S/2 #77, #77A, #77B		320.00	<u>Tract 28</u> WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 12.500000% 0.000000%	20.125000% 43.750000% 23.625000% 12.500000% 100.000000%	1.617080%
SF-078772	T31N R6W Sec 1: ALL Sec 3: Lots 5,6,7,8,9, SE4, E2SW/4, SW/4SW/4 Sec 4: Lots 5,6,7,8,9, N2SW/4 NW/4SE/4, SE/4SE/4		1161.86	<u>Tract 29</u> WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 12.500000% 0.000000%	63.875000% 23.625000% 12.500000% 100.000000%	5.871316%
	T32N R6W Sec 33, W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT						
SF-078772	T32N R6W Sec 33, NE/4, W/2SE/4 Sec 34: E/2, E/2W/2, SW/4SW/4 Sec 35: ALL #90A, #89, #89A, #89C, #129, #129A, #91, #91A, #91B, #91C, #44, #44A, #44B #44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT		1400.00	<u>Tract 30</u> WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 12.500000% 0.000000%	20.125000% 43.750000% 23.625000% 12.500000% 100.000000%	7.074727%
E-289-53	T31N R6W Sec 2: Lots 6,7,8, S/2 #148, #148A, #148B #148A BP NON-CONSENT		346.91	<u>Tract 31</u> WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 12.500000% 2.500000%	62.062500% 22.937500% 12.500000% 100.000000%	1.753067%
Uncommitted	T31N R6W Sec 2: Lot 5, #148, #148A, #148B This tract is not committed to the unit #148A BP NON-CONSENT	9.35					0.000000%

SCHEDULE XVII
EIGHTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Uncommitted	T31N R6W	38.12		<u>Tract 32</u>			0.000000%
	Sec 3 & 4 a portion thereof designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E2SE/4						
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W			<u>Tract 33</u>			11.219658%
	Sec 4: S2SW/4, SW/4SE/4	2220.23		WORKING INTEREST	73.000000%	63.875000%	
	Sec 5: ALL			Williams Production Co. LLC	27.000000%	23.625000%	
	Sec 8: NW/4, E2NE/4			Sacramento Municipal Utility District		12.500000%	
	Sec 9: ALL			ROYALTY	100.000000%	0.000000%	
	Sec 10: Lots 1,2,3, E2E2, NW/4					100.000000%	
	Sec 15: Lots 1,2, E2SW/4, E2						
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#89, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						
SF-078765	T31N R6W						1.212810%
	Sec 8: SW/4, E2SE/4	240.00		WORKING INTEREST	23.000000%	20.125000%	
	#89, #88A, #167, #167A, #167B,			Williams Production Co. LLC	50.000000%	43.750000%	
	#167, #167A, BP NON-CONSENT			BP America Production Co	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY	100.000000%	0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W			<u>Tract 34</u>			0.404270%
	Sec 8: W2SE/4	80.00		WORKING INTEREST	23.000000%	20.125000%	
	#167, #167A, #167B			Williams Production Co. LLC	50.000000%	43.750000%	
	#167 & #167A BP NON-CONSENT			BP America Production Co	27.000000%	23.625000%	
				Sacramento Municipal Utility District		12.500000%	
				ROYALTY	100.000000%	0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W						0.404270%
	Sec 8: W2NE/4	80.00		WORKING INTEREST	73.000000%	63.875000%	
	#167, #167A, #167B			Williams Production Co. LLC	27.000000%	23.625000%	
	#167 & #167A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY	100.000000%	0.000000%	
				ORRI	100.000000%	100.000000%	

SCHEDULE XVII
EIGHTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Fee	T31N R6W						
	Sec 10: W2E/2		160.00	TRACT 35 WORKING INTEREST	73.000000%	63.875000%	0.808540%
	#181, #181A			Williams Production Co. LLC	27.000000%	23.625000%	
	#181, #181A BP NON-CONSENT			Sacramento Municipal Utility District		12.500000%	
				ROYALTY	0.000000%	0.000000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R6W						
	Sec 10: Tract 38		161.52	TRACT 36 WORKING INTEREST	73.000000%	59.881900%	0.816221%
	Sec 15: Tract 38			Williams Production Co. LLC	27.000000%	22.148100%	
	#25A, #75, #75A			Sacramento Municipal Utility District		12.500000%	
	#25A, #75, #75A BP NON-CONSENT			ROYALTY		5.470000%	
				ORRI	100.000000%	100.000000%	
SF-078771	T31N R6W			TRACT 37			12.936543%
	Sec 11: ALL		2560.00	WORKING INTEREST	73.000000%	63.875000%	
	Sec 14: ALL			Williams Production Co. LLC	27.000000%	23.625000%	
	Sec 23: ALL			Sacramento Municipal Utility District		12.500000%	
	Sec 26: ALL			ROYALTY		0.000000%	
	#1E, #9, #9A, #9B, #36, #36B,			ORRI	100.000000%	100.000000%	
	#16, #16A, #16B, #16C, #20, #20A,						
	#20B, #20C						
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A,						
	BP NON-CONSENT						
Fee	T31N R6W			TRACT 38			0.404270%
	Sec 15: Tract 39		80.00	WORKING INTEREST	73.000000%	63.875000%	
	Also described as the E/2NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	27.000000%	23.625000%	
	#25A			Sacramento Municipal Utility District		12.500000%	
	#25A BP NON-CONSENT			ROYALTY		0.000000%	
				ORRI	100.000000%	100.000000%	
SF-078766	T31N R6W			TRACT 39			4.368543%
	Sec 22: E/2		864.48	WORKING INTEREST	73.000000%	63.875000%	
	Sec 25: ALL			Williams Production Co. LLC	27.000000%	23.625000%	
	#18, #18A			Sacramento Municipal Utility District		12.500000%	
	#160, #160A, #165, #165A, #165B, #165C			ROYALTY		0.000000%	
	#160, #160A, #165, #165A BP NON-CONSENT			ORRI	100.000000%	100.000000%	

SCHEDULE XVII
EIGHTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078766	T31N R6W Sec 16: Lots 1,2,3. (94.50), N/2NE/4, SW/4NW/4, N/2NW/4 Sec 17: E/2 Sec 21: Lots 1,2,3, W/2NW/4, S/2, Sec 22: Lot 1, SW/4, E/2NW/4 #145, #145A #138, #138A #100E, #170, #32, #32A, #32B, #32C		1288.23	WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000% 12.5000000% 0.0000000% 100.0000000%	20.1250000% 43.7500000% 23.6250000% 0.0000000% 100.0000000%	6.509811%
E-346-20	T31N R6W Sec 16: The approximate 16.88 acres S/2S/2SE/4NW/4 & S/2S/2SW/4NE/4 Also described as the N/2N/2N/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #145A		16.88	Tract 40 WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 100.0000000%	32.8125000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.085301%
E-346-22	T31N R6W Sec 16: The approximate 8.44 acres S/2S/2SE/4NE/4 Also described as the N/2N/2NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		8.44	Tract 40A WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 100.0000000%	32.8125000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.042650%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2NW/4, 71.56 acres out of W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C, #32, #32A WISER NON-CONSENT		143.12	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.0000000% 100.0000000%	87.5000000% 12.5000000% 0.0000000% 100.0000000%	0.723239%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		71.56	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000% 12.5000000% 2.5000000% 100.0000000%	19.5500000% 42.5000000% 22.9500000% 0.0000000% 100.0000000%	0.361620%

SCHEDULE XIV
EIGHTEENTH PARTICIPATING AREA FOR THE MESASVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-289-50	T31N R6W Sec 15, 8.41 acres out of S/2S/2SW/4SW/4 Sec 22, 71.59 acres in the W/2NW/4 Also described as E/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #25A, #79, #79A, #79B #25A BP NON-CONSENT		80.00	<u>Tract 43</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	82.5000000% 12.5000000% 5.0000000% 100.0000000%	0.404270%
E-504-15	T32N R6W Sec 32, W/2 #150, #150A, #150B #150A BP NON-CONSENT		320.00	<u>Tract 44</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	84.5000000% 12.5000000% 3.0000000% 100.0000000%	1.617080%
E-504-17	T32N R6W Sec 32, E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	<u>Tract 45</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	65.6250000% 12.5000000% 21.8750000% 100.0000000%	1.617080%
Fee	T32N R6W Sec 34, W/2NW/4 #129, #129A #129, #129A BP NON-CONSENT		80.00	<u>Tract 46</u> WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000% 12.5000000% 0.0000000% 100.0000000%	20.1250000% 43.7500000% 23.6250000% 12.5000000% 0.0000000% 100.0000000%	0.404270%
E-346-30	T32N R6W Sec 36, W/2 #152, #152A, #152B #152A BP NON-CONSENT		320.00	<u>Tract 47</u> WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000% 27.0000000% 100.0000000%	63.8750000% 23.6250000% 12.5000000% 0.0000000% 100.0000000%	1.617080%
E-346-33	T32N R6W Sec 36, E/2 #34, #34A, #34B, #34C #34A BP NON-CONSENT		320.00	<u>Tract 48</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	65.6250000% 12.5000000% 21.8750000% 100.0000000%	1.617080%
			167.47				100.0000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVIV
EIGHTEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 18, 19, 20, 29, 30, 31, 32 ALL

Section 33: S/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 21, 22, 23, 24, 25, 26: ALL

Section 16: N/2

Section 17: E/2

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:	19,956.22
Total number of acres no committed to Participating Area:	167.47
Total number of acres committed to Participating Area:	19,788.75

*Portions of this acreage not committed to unit.

Effective November 1, 1994

SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 12/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078763	T31N R5W			Tract 13			
	Sec 5: ALL		527.96	WORKING INTEREST			2.625524%
	Sec 8: NE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	#41, #41A, #41B, #46A			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	0.000000%	0.000000%	
					100.000000%	100.000000%	
	T31N R5W						1.591347%
	Sec 8: S/2		320.00	WORKING INTEREST			
	#46A, #80, #80A			Williams Production Co. LLC	23.000000%	20.125000%	
	#80A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	0.000000%	0.000000%	
					100.000000%	100.000000%	
SF-078767	T31N R5W			Tract 14			12.522111%
	Sec 6: ALL		2518.04	WORKING INTEREST			
	Sec 7: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	0.000000%	0.000000%	
					100.000000%	100.000000%	
	T31N R6W						
	Sec 12: ALL						
	Sec 13: ALL						
	Sec 24: ALL						
	#72, #72A, #171, #171A, #171B, #171C, #154, #154A						
	#80, #80A, #149, #149A, #30, #30A, #30B, #149B						
	#125, #125E, #10, #10B, #66M, #19, #19B, #163						
	#163A, #101M						
	#30A, #72A, #149A, #154, #154A, #163, #163A, #171, #171A BP NON-CONSENT						
	#80A BP NON-CONSENT						
SF-078764	T31N R5W			Tract 18			10.877354%
	Sec 18: ALL		2187.30	WORKING INTEREST			
	Sec 19: Lots 1,4, E/2E/2, NW/4NE/4, SW/4SE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 20: SE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ROYALTY		12.500000%	
	Sec 30: ALL			ORRI	0.000000%	0.000000%	
	Sec 31: ALL				100.000000%	100.000000%	
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						

SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 12/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079764	T31N R5W Sec 20: N/2 #85, #85A #85A BP NON-CONSENT		320.00	WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District	23.000000% 23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000% 12.500000%	1.591347%
				ROYALTY ORRI		0.000000% 100.000000%	
Fee	T31N R5W Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4 #183, #183A, #159, #159A #159A, #183, #183A BP NON-CONSENT		152.22	TRACT 19 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District	73.000000% 73.000000% 27.000000%	63.875000% 23.625000% 12.500000%	0.756984%
				ROYALTY ORRI		0.000000% 100.000000%	
Fee	T31N R5W Sec 20: SW/4 #17, #17A, #17B, #64M, #23, #23B #17A BP NON-CONSENT		320.00	TRACT 20 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District	73.000000% 73.000000% 27.000000%	63.875000% 23.625000% 12.500000%	1.591347%
				ROYALTY ORRI		0.000000% 100.000000%	
SF-079165	T31N R5W Sec 29: S/2NE/4, E/2SE/4 #15, #15A		160.00	TRACT 21 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District	73.000000% 73.000000% 27.000000%	63.875000% 23.625000% 12.500000%	0.795674%
				ROYALTY ORRI		0.000000% 100.000000%	
E-347-56	T31N R5W Sec 32: NW/4 #24, #24A, #24B, #24C		160.00	TRACT 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co	86.944599% 86.944599% 13.055401%	76.076524% 11.423476% 12.500000%	0.795674%
				ROYALTY ORRI		0.000000% 100.000000%	
E-347-48	T31N R5W Sec 32: NE/4 #26, #26A, #26B		160.00	TRACT 26 WORKING INTEREST Williams Production Co. LLC	100.000000%	87.500000%	0.795674%
				ROYALTY ORRI		0.000000% 100.000000%	

SCHEDULE XX

[illegible]

SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 12/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Uncommitted	T31N R6W	9.35		Tract 31			0.000000%
	Sec 2: Lot 5,						
	#148, #148A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.000000%
	Sec 3 & 4 a portion thereof						
	designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E/2SE/4						
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W			Tract 33			11.041114%
	Sec 4: S/2SW/4, SW/4SE/4	2220.23		WORKING INTEREST			
	Sec 5: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4, E/2NE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 9: ALL			ROYALTY		12.500000%	
	Sec 10: Lots 1,2,3, E/2E/2, NW/4			ORRI		0.000000%	
	Sec 15: Lots 1,2, E/2SW/4, E/2				100.000000%	100.000000%	
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						
SF-078765	T31N R6W						1.193510%
	Sec 8: SW/4, E/2SE/4	240.00		WORKING INTEREST			
	#88, #88A, #167, #167A, #167B,			Williams Production Co. LLC	23.000000%	20.125000%	
	#167, #167A, BP NON-CONSENT			BP America Production Co	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R6W			Tract 34			0.397837%
	Sec 8: W/2SE/4	80.00		WORKING INTEREST			
	#167, #167A, #167B			Williams Production Co. LLC	23.000000%	20.125000%	
	#167 & #167A BP NON-CONSENT			BP America Production Co	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	

SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 12/01/94

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SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 12/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078766	T31N R6W Sec 22: E/2 Sec 25: ALL #18, #18A #160, #160A, #165, #165A, #165B, #165C #160, #160A, #165, #165A BP NON-CONSENT		864.48	<u>Tract 39</u> WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 12.500000% 0.000000% 100.000000%	63.875000% 23.625000% 12.500000% 0.000000% 100.000000%	4.289024%
SF-078766	T31N R6W Sec 16: Lots 1,2,3, (94.50), N/2NE/4, SW/4NW/4, N/2NW/4 Sec 17: ALL Sec 21: Lots 1,2,3, W/2NW/4, S/2, Sec 22: Lot 1, SW/4, E/2NW/4 #145, #145A #138, #138A, #139, #139A, #100E, #170, #32, #32A, #32B, #32C #79, #79A, #79B #32, #32A, #139A, #170 BP NON-CONSENT		1608.23	WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 12.500000% 0.000000% 100.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000% 100.000000%	7.997663%
E-346-20	T31N R6W Sec 16: The approximate 16.88 acres S/2S/2SE/4NW/4 & S/2S/2SW/4NE/4 Also described as the N/2N/2N/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #145A		16.88	<u>Tract 40</u> WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% 100.000000%	32.812500% 6.562500% 6.562500% 6.562500% 6.562500% 6.562500% 12.500000% 21.875000% 100.000000%	0.083944%
E-346-22	T31N R6W Sec 16: The approximate 8.44 acres S/2S/2SE/4NE/4 Also described as the N/2N/2NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		8.44	<u>Tract 40A</u> WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% 100.000000%	32.812500% 6.562500% 6.562500% 6.562500% 6.562500% 6.562500% 12.500000% 21.875000% 100.000000%	0.041972%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2NW/4, 71.56 acres out of W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C, #32, #32A WISER NON-CONSENT		143.12	<u>Tract 41</u> WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.000000% 100.000000% 0.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000%	0.711730%

SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 12/01/94

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		71.56	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 19.550000% 50.000000% 27.000000% 12.500000% 2.500000% 100.000000%	19.550000% 42.500000% 22.950000% 12.500000% 2.500000% 100.000000%	0.355865%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as E/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #25A, #79, #79A, #79B #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 82.500000% 12.500000% 5.000000% 100.000000%	82.500000% 12.500000% 5.000000% 100.000000%	0.397837%
E-504-15	T32N R6W Sec 32: W/2 #150, #150A, #150B #150A BP NON-CONSENT		320.00	Tract 44 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 84.500000% 12.500000% 3.000000% 100.000000%	84.500000% 12.500000% 3.000000% 100.000000%	1.591347%
E-504-17	T32N R6W Sec 32: E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	Tract 45 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 65.625000% 12.500000% 21.875000% 100.000000%	65.625000% 12.500000% 21.875000% 100.000000%	1.591347%
Fee	T32N R6W Sec 34: W/2NW/4 #129, #129A #129, #129A BP NON-CONSENT		80.00	Tract 46 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 20.125000% 50.000000% 27.000000% 12.500000% 0.000000% 100.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000% 100.000000%	0.397837%
E-346-30	T32N R6W Sec 36: W/2 #152, #152A, #152B #152A BP NON-CONSENT		320.00	Tract 47 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 23.625000% 12.500000% 0.000000% 100.000000%	63.875000% 23.625000% 12.500000% 0.000000% 100.000000%	1.591347%

SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 12/01/94

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-33	T32N R6W			Tract 48			1.591347%
	Sec 36, E/2		320.00	WORKING INTEREST			
	#34, #34A, #34B, #34C			Williams Production Co. LLC	100.0000000%	65.625000%	
	#34A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		21.875000%	
		167.47	20108.75		100.0000000%	100.0000000%	100.0000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XX
NINETEENTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 18, 19, 20, 29, 30, 31, 32 ALL

Section 33: S/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26: ALL

Section 16: N/2

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:	20,276.22
Total number of acres no committed to Participating Area:	167.47
Total number of acres committed to Participating Area:	20,108.75

*Portions of this acreage not committed to unit.

Effective December 1, 1994

SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078763	T31N R5W			<u>Tract 13</u>			2.544539%
	Sec 5: ALL		527.96	WORKING INTEREST			
	Sec 8: NE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	#41, #41A, #41B, #46A			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
	T31N R5W						
	Sec 8: S/2		320.00	WORKING INTEREST			1.542262%
	#46A, #80, #80A			Williams Production Co. LLC	23.000000%	20.125000%	
	#80A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
SF-078767	T31N R5W			<u>Tract 14</u>			12.135864%
	Sec 6: ALL		2518.04	WORKING INTEREST			
	Sec 7: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	T31N R5W			ROYALTY		12.500000%	
	Sec 12: ALL			ORRI		0.000000%	
	Sec 13: ALL				100.000000%	100.000000%	
	Sec 24: ALL						
	#72, #72A, #171, #171A, #171B, #171C, #154, #154A						
	#80, #80A, #149, #149A, #30, #30A, #30B, #149B						
	#125, #125E, #10, #10B, #86M, #19, #19B, #163						
	#163A, #101M						
	#30A, #72A, #149A, #154, #154A, #163, #163A, #171, #171A BP NON-CONSENT						
	#80A BP NON-CONSENT						
SF-078769	T31N R5W			<u>Tract 17</u>			1.542262%
	Sec 28: W/2		320.00	WORKING INTEREST			
	#146			Williams Production Co. LLC	23.000000%	0.20125000	
				BP America Production Co.	50.000000%	0.43750000	
				Sacramento Municipal Utility District	27.000000%	0.23625000	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	

SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078764	T31N R5W		2187.30	TRACT 18 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	10.541840%
	Sec 18: ALL						
	Sec 19: Lots 1,4, E/2E/2, NW/4NE/4, SW/4SE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 20: SE/4			ROYALTY		12.500000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ORRI	100.000000%	100.000000%	
	Sec 30: ALL						
	Sec 31: ALL						
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						
SF-078764	T31N R5W		320.00	TRACT 19 WORKING INTEREST Williams Production Co. LLC	23.000000%	20.125000%	1.542262%
	Sec 20: N/2						
	#85, #85A			BP America Production Co.	50.000000%	43.750000%	
	#85A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R5W		152.22	TRACT 19 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	0.733635%
	Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4						
	#183, #183A, #159, #159A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#159A, #183, #183A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI	100.000000%	100.000000%	
Fee	T31N R5W		320.00	TRACT 20 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	1.542262%
	Sec 20: SW/4						
	Sec 29: NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#17, #17A, #17B, #64M, #23, #23B			ROYALTY		12.500000%	
	#17A BP NON-CONSENT			ORRI	100.000000%	100.000000%	
SF-079165	T31N R5W		160.00	TRACT 21 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	0.771131%
	Sec 29: S/2NE/4, E/2SE/4						
	#15, #15A			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	100.000000%	

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-347-56	T31N R6W Sec 32: NW/4 #24, #24A, #24B, #24C		160.00	Tract 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 13.055401%	76.076524% 11.423476% 12.500000% 0.000000% 100.000000%	0.771131%
E-347-48	T31N R6W Sec 32: NE/4 #26, #26A, #26B		160.00	Tract 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 0.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000% 100.000000%	0.771131%
E-347-55	T31N R6W Sec 32: S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	Tract 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 100.000000% 100.000000%	65.625000% 12.500000% 21.875000% 100.000000%	1.542262%
SF-078773	T31N R6W Sec 33: ALL #77, #77A, #77B #147, #147A, #147A BP NON-CONSENT		640.00	Tract 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 100.000000%	20.125000% 43.750000% 23.625000% 0.000000% 100.000000%	3.084523%
SF-078772	T31N R6W Sec 1: ALL Sec 3: Lots 5,6,7,8,9, SE/4, E/2SW/4, SW/4SW/4 Sec 4: Lots 5,6,7,8,9, N/2SW/4 NW/4SE/4, SE/4SE/4 T32N R6W Sec 33: W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT		1161.86	Tract 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 100.000000%	63.875000% 23.625000% 12.500000% 0.000000% 100.000000%	5.598663%

SCHEDULE XXI
TWENTIETH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/95

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078772	T32N R6W		1400.00	WORKING INTEREST			6.747394%
	Sec 33: NE1/4, W2SE1/4			Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 34: E/2, E2W/2, SW1/4SW1/4			BP America Production Co	50.000000%	43.750000%	
	Sec 35: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#90A, #89, #89A, #89C, #129, #129A,			ROYALTY		12.500000%	
	#91, #91A, #91B, #91C, #44, #44A, #44B			ORRI	100.000000%	100.000000%	
	#44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT						
E-289-53	T31N R6W			Tract 30			1.671956%
	Sec 2: Lots 6,7,8, S/2		346.91	WORKING INTEREST			
	#148, #148A, #148B			Williams Production Co. LLC	73.000000%	62.050000%	
	#148A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	22.950000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	100.000000%	
Uncommitted	T31N R6W	9.35		Tract 31			0.000000%
	Sec 2: Lot 5,						
	#148, #148A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.000000%
	Sec 3 & 4 a portion thereof						
	designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E/2SE1/4						
	Sec 34: NW1/4SW1/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W			Tract 33			10.700548%
	Sec 4: S/2SW1/4, SW1/4SE1/4		2220.23	WORKING INTEREST			
	Sec 5: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW1/4, E/2NE1/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 9: ALL			ROYALTY		12.500000%	
	Sec 10: Lots 1,2,3, E/2E/2, NW1/4			ORRI	100.000000%	100.000000%	
	Sec 15: Lots 1,2, E/2SW1/4, E/2						
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						

SCHEDULE XXI

[illegible]

SCHEDULE XXI
TWENTIETH PARTICIPATING AREA FOR THE MESAVEVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/95

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W						
	Sec 11: ALL		2560.00	WORKING INTEREST <u>Tract 37</u>			
	Sec 14: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 23: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 26: ALL			ROYALTY		12.500000%	
	#1E, #9, #9A, #9B, #36, #36B,			ORRI		0.000000%	
	#16, #16A, #16B, #16C, #20, #20A,				100.000000%	100.000000%	
	#20B, #20C						
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W						0.385565%
	Sec 15 Tract 39		80.00	WORKING INTEREST <u>Tract 38</u>			
	Also described as the E/2N/E/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	73.000000%	63.875000%	
	#25A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#25A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
SF-078766	T31N R6W						4.166420%
	Sec 22: E/2		864.48	WORKING INTEREST <u>Tract 39</u>			
	Sec 25: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	#18, #18A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#160, #160A, #165, #165A, #165B, #165C			ROYALTY		12.500000%	
	#160, #160A, #165, #165A BP NON-CONSENT			ORRI		0.000000%	
					100.000000%	100.000000%	
SF-078766	T31N R6W						7.750973%
	Sec 16: Lots 1,2,3 (94.50), N/2N/E/4, SW/4NW/4, N/2NW/4		1608.23	WORKING INTEREST			
	Sec 17: ALL			Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21: Lots 1,2,3, W/2NW/4, S/2,			BP America Production Co	50.000000%	43.750000%	
	Sec 22: Lot 1, SW/4, E/2NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#145, #145A			ROYALTY		12.500000%	
	#138, #138A, #139, #139A,			ORRI		0.000000%	
	#100E, #170, #32, #32A, #32B, #32C				100.000000%	100.000000%	
	#79, #79A, #79B						
	#32, #32A, #139A, #170 BP NON-CONSENT						
E-346-20	T31N R6W						0.081354%
	Sec 16: The approximate 16.88 acres S/2S/2SE/4NW/4 & S/2S/2SW/4NE/4		16.88	WORKING INTEREST <u>Tract 40</u>			
	Also described as the N/2N/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	50.000000%	32.812500%	
	#145A			J. Glenn Turner Jr LLC	10.000000%	6.562500%	
				John L. Turner	10.000000%	6.562500%	
				Fred E. Turner LLC	10.000000%	6.562500%	
				Mary Francis Turner Jr	10.000000%	6.562500%	
				Elizabeth Jeanne Turner	10.000000%	6.562500%	
				ROYALTY		12.500000%	
				ORRI		21.875000%	
					100.000000%	100.000000%	

SCHEDULE XXI
TWENTIETH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/95

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-22	T31N R6W Sec 16: The approximate 8.44 acres S/2S/2SE/4NE/4 Also described as the N/2N/2NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		8.44	Tract 40A WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr. LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr. Elizabeth Jeanne Turner ROYALTY ORRI	50.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000%	32.812500% 6.562500% 6.562500% 6.562500% 6.562500% 6.562500% 12.500000%	0.040677%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2NW/4, 71.56 acres out of W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C, #32, #32A WISER NON-CONSENT		143.12	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.000000% 100.000000% 12.500000% 0.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000%	0.589776%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		71.56	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 12.500000% 100.000000%	19.550000% 42.500000% 22.950000% 2.500000% 100.000000%	0.344886%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as E/2SE/4 of the resurveyed tracts lying in Sec. 115, 16, 21 & 22 #25A, #79, #79A, #79B #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 5.000000% 100.000000%	82.500000% 12.500000% 5.000000% 100.000000%	0.385585%
E-504-15	T32N R6W Sec 32: W/2 #150A, #150A, #150B #150A BP NON-CONSENT		320.00	Tract 44 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 3.000000% 100.000000%	84.500000% 12.500000% 3.000000% 100.000000%	1.542262%
E-504-17	T32N R6W Sec 32: E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	Tract 45 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 21.875000% 100.000000%	65.625000% 12.500000% 21.875000% 100.000000%	1.542262%

SCHEDULE XXI
TWENTIETH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/95

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Fee	T32N R6W						
	Sec 34: W/2NW/4		80.00	TRACT 46 WORKING INTEREST			0.38566%
	#129, #129A			Williams Production Co. LLC	23.000000%	20.125000%	
	#129, #129A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
E-346-30	T32N R6W			TRACT 47 WORKING INTEREST			1.542262%
	Sec 36: W/2		320.00	Williams Production Co. LLC	73.000000%	63.875000%	
	#152, #152A, #152B			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#152A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
E-346-33	T32N R6W			TRACT 48 WORKING INTEREST			1.542262%
	Sec 36: E/2		320.00	Williams Production Co. LLC	100.000000%	65.625000%	
	#34, #34A, #34B, #34C			ROYALTY		12.500000%	
	#34A BP NON-CONSENT			ORRI		21.875000%	
					100.000000%	100.000000%	
		167.47	20748.75		100.000000%	100.000000%	100.000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXI
TWENTIETH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 18, 19, 20, 29, 30, 31, 32, 33 ALL

Section 28: W/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26: ALL

Section 16: N/2

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:	20,916.22
Total number of acres no committed to Participating Area:	167.47
Total number of acres committed to Participating Area:	20,748.75

*Portions of this acreage not committed to unit.

Effective August 1, 1995

SCHEDULE XXII

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078763	T31N R5W			<u>Tract 13</u>			
	Sec 5: ALL	527.96		Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#41, #41A, #41B, #46A			ROYALTY		12.500000%	
				ORRI	100.000000%	0.000000%	
	T31N R5W						
	Sec 8: S/2	320.00		WORKING INTEREST			1.518837%
	#46A, #80, #80A			Williams Production Co. LLC	23.000000%	20.125000%	
	#80A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	0.000000%	
SF-078767	T31N R5W			<u>Tract 14</u>			
	Sec 6: ALL	2518.04		WORKING INTEREST			11.951540%
	Sec 7: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
	T31N R6W			ORRI	100.000000%	0.000000%	
	Sec 12: ALL						
	Sec 13: ALL						
	Sec 24: ALL						
	#72, #72A, #171, #171A, #171B, #171C, #154, #154A						
	#80, #80A, #149, #149A, #30, #30A, #30B, #149B						
	#125, #125E, #10, #10B, #66M, #19, #19B, #163						
	#163A, #101M						
	#30A, #72A, #149A, #154, #154A, #163, #163A, #171, #171A BP NON-CONSENT						
	#80A BP NON-CONSENT						
	T31N R5W			<u>Tract 17</u>			
	Sec 17: E/2	640.00		WORKING INTEREST			3.037674%
	Sec 28: W/2			Williams Production Co. LLC	23.000000%	0.2012500	
	#153, #153A			BP America Production Co.	50.000000%	0.4375000	
	#146			Sacramento Municipal Utility District	27.000000%	0.2362500	
	#153A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI	100.000000%	0.000000%	

SCHEDULE XXII

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078764	T31N R5W						
	Sec 18: ALL		2187.30	Tract 18 WORKING INTEREST			
	Sec 19: Lots 1, 4, E/2E2, NW/4NE/4, SW/4SE/4,			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 20: SE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ROYALTY		12.500000%	
	Sec 30: ALL			ORRI	100.000000%	0.000000%	
	Sec 31: ALL					100.000000%	
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						
SF-078764	T31N R5W						
	Sec 20: N/2		320.00	WORKING INTEREST			1.518837%
	#85, #85A			Williams Production Co. LLC	23.000000%	20.125000%	
	#85A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R5W		152.22	TRACT 19 WORKING INTEREST			0.722492%
	Sec 19: Lots 2, 3, SW/4NE/4, NW/4SE/4						
	#183, #183A, #159, #159A			Williams Production Co. LLC	73.000000%	63.875000%	
	#159A, #183, #183A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R5W			TRACT 20 WORKING INTEREST			1.518837%
	Sec 20: SW/4		320.00				
	Sec 29: NW/4			Williams Production Co. LLC	73.000000%	63.875000%	
	#17, #17A, #17B, #64M, #23, #23B			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#17A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
SF-079165	T31N R5W			TRACT 21 WORKING INTEREST			0.759419%
	Sec 28: S/2NE/4, E/2SE/4		160.00				
	#15, #15A			Williams Production Co. LLC	73.000000%	63.875000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	

SCHEDULE XXII
MESAVERDE FO

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-347-56	T31N R5W Sec 32, NW/4 #24, #24A, #24B, #24C		160.00	Tract 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 13.055401%	76.076524% 11.423476% 12.500000% 0.000000%	0.759419%
E-347-48	T31N R5W Sec 32, NE/4 #26, #26A, #26B		160.00	Tract 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 0.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000%	0.759419%
E-347-55	T31N R5W Sec 32, S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	Tract 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 0.000000% 100.000000%	65.625000% 12.500000% 21.875000% 100.000000%	1.518837%
SF-078773	T31N R5W Sec 33, ALL #77, #77A, #77B, #147, #147A, #147A BP NON-CONSENT		640.00	Tract 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 23.625000% 12.500000% 0.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000% 100.000000%	3.037674%
SF-078772	T31N R6W Sec 1, ALL Sec 3, Lots 5,6,7,8,9, SE/4, E/2SW/4, SW/4SW/4 Sec 4, Lots 5,6,7,8,9, N/2SW/4 NW/4SE/4, SE/4SE/4 T32N R6W Sec 33, W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT		1161.86	Tract 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 27.000000% 100.000000%	63.875000% 23.625000% 12.500000% 0.000000% 100.000000%	5.514613%

SCHEDULE XXII
TWENTY-FIRST PARTICIPATING AREA FOR THE MESASVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/95

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078772	T32N R6W						
	Sec 33: NE/4, W/2SE/4		1400.00	WORKING INTEREST			
	Sec 34: E/2, E/2W/2, SW/4SW/4			Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 35: ALL			BP America Production Co	50.000000%	43.750000%	
	#90A, #89, #89A, #89C, #129, #129A,			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#91, #91A, #91B, #91C, #44, #44A, #44B			ROYALTY		12.500000%	
	#44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT			ORRI	100.000000%	0.000000%	
						100.000000%	
E-289-53	T31N R6W						
	Sec 2: Lots 6,7,8, S/2		346.91	Tract 30 WORKING INTEREST			1.848562%
	#14B, #148A, #148B			Williams Production Co. LLC	73.000000%	62.050000%	
	#148A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	22.950000%	
				ROYALTY		12.500000%	
				ORRI		2.500000%	
					100.000000%	100.000000%	
Uncommitted	T31N R6W	9.35		Tract 31			0.000000%
	Sec 2: Lot 5,						
	#148, #148A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.000000%
	Sec 3 & 4 a portion thereof						
	designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E/2SE/4						
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W			Tract 33			10.538024%
	Sec 4: S/2SW/4, SW/4SE/4		2220.23	WORKING INTEREST			
	Sec 5: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4, E/2NE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 9: ALL			ROYALTY		12.500000%	
	Sec 10: Lots 1,2,3, E/2E/2, NW/4			ORRI		0.000000%	
	Sec 15: Lots 1,2, E/2SW/4, E/2				100.000000%	100.000000%	
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						

Effective 9/01/95

SCHEDULE XXII

[illegible]

SCHEDULE XXII
TWENTY-FIRST PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/95

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	P.A. ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W						
	Sec 11: ALL		2560.00	Tract 37 WORKING INTEREST			
	Sec 14: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 23: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 26: ALL			ROYALTY		12.500000%	
	#1E, #9, #9A, #9B, #36, #36B,					0.000000%	
	#16, #16A, #16B, #16C, #20, #20A,				100.000000%	100.000000%	
	#20B, #20C						
	#1A, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W						
	Sec 15 Tract 39		80.00	Tract 38 WORKING INTEREST			0.379709%
	Also described as the E/2NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	73.000000%	63.875000%	
	#25A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#25A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI	0.000000%	0.000000%	
					100.000000%	100.000000%	
SF-078766	T31N R6W						
	Sec 22: E/2		884.48	Tract 39 WORKING INTEREST			4.103139%
	Sec 25: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	#18, #18A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#160, #160A, #165, #165A, #165B, #165C			ROYALTY		12.500000%	
	#160, #160A, #165, #165A BP NON-CONSENT			ORRI	0.000000%	0.000000%	
					100.000000%	100.000000%	
SF-078766	T31N R6W						
	Sec 16: Lots 1,2,3, (94.50) N/2NE/4, SW/4NW/4, N/2NW/4		1608.23	WORKING INTEREST			7.633248%
	Sec 17: ALL			Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21: Lots 1,2,3, W/2NW/4, S/2,			BP America Production Co.	50.000000%	43.750000%	
	Sec 22: Lot 1, SW/4, E/2NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#145, #145A			ROYALTY		12.500000%	
	#13B, #13BA, #139, #139A,			ORRI	0.000000%	0.000000%	
	#100E, #170, #32, #32A, #32B, #32C				100.000000%	100.000000%	
	#79, #79A, #79B						
	#32, #32A, #139A, #170 BP NON-CONSENT						

**SCHEDULE XXII
TWENTY-FIRST PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/95**

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-20	T31N R6W Sec 16: The approximate 16.88 acres S/2S/2SE/4NW/4 & S/2S/2SW/4NE/4 Also described as the N/2N/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #145A		16.88	Tract 40 WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000%	32.8125000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.080119%
E-346-22	T31N R6W Sec 16: The approximate 8.44 acres S/2S/2SE/4NE/4 Also described as the N/2N/2NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		8.44	Tract 40A WORKING INTEREST Williams Production Co. LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000%	32.8125000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.040059%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2NW/4, 71.56 acres out of W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C, #32, #32A WISER NON-CONSENT		143.12	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.0000000% 100.0000000% 100.0000000%	87.5000000% 12.5000000% 0.0000000% 100.0000000%	0.679300%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		71.56	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000% 100.0000000% 100.0000000%	19.5500000% 42.5000000% 22.9500000% 12.5000000% 2.5000000% 100.0000000%	0.339650%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as E/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #25A, #79, #79A, #79B #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 100.0000000% 100.0000000%	82.5000000% 12.5000000% 5.0000000% 100.0000000%	0.379709%

Effective 9/01/95

SCHEDULE XXII
TWENTY-FIRST PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/95

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-504-15	T32N R6W Sec 32: W/2 #150, #150A, #150B #150A BP NON-CONSENT		320.00	Tract 44 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	84.500000% 12.500000% 3.000000%	1.518837%
E-504-19	T32N R6W Sec 32: E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	Tract 45 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	65.825000% 12.500000% 21.875000%	1.518837%
Fee	T32N R6W Sec 34: W/2NW/4 #129, #129A #129, #129A BP NON-CONSENT		80.00	Tract 46 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000%	0.379709%
E-346-30	T32N R6W Sec 36: W/2 #152, #152A, #152B #152A BP NON-CONSENT		320.00	Tract 47 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	63.875000% 23.625000% 12.500000% 0.000000%	1.518837%
E-346-33	T32N R6W Sec 36: E/2 #34, #34A, #34B, #34C #34A BP NON-CONSENT		320.00	Tract 48 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	65.625000% 12.500000% 21.875000%	1.518837%
			167.47		100.000000%	100.000000%	
			21068.75				

Effective 9/01/95

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXII
TWENTY-FIRST PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 18, 19, 20, 29, 30, 31, 32, 33 ALL

Section 17: E/2

Section 28: W/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26: ALL

Section 16: N/2

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:	21,206.22
Total number of acres no committed to Participating Area:	167.47
Total number of acres committed to Participating Area:	21,068.75

*Portions of this acreage not committed to unit.

Effective September 1, 1995

SCHEDULE XXII

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078763	T31N R5W			Tract 13			2.468400%
	Sec 5: ALL		527.96	WORKING INTEREST			
	Sec 8: NE/4			Williams Production Co. LLC	73.0000000%	63.875000%	
	#41, #41A, #41B, #46A			Sacramento Municipal Utility District	27.0000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.0000000%	
					100.000000%	100.000000%	
	T31N R5W						1.996114%
	Sec 8: S/2		320.00	WORKING INTEREST			
	#46A, #80, #80A			Williams Production Co. LLC	23.0000000%	20.125000%	
	#80A BP NON-CONSENT			BP America Production Co.	50.0000000%	43.750000%	
				Sacramento Municipal Utility District	27.0000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.0000000%	
					100.000000%	100.000000%	
SF-078767	T31N R5W			Tract 14			11.772731%
	Sec 6: ALL		2518.04	WORKING INTEREST			
	Sec 7: ALL			Williams Production Co. LLC	73.0000000%	63.875000%	
	Sec 8: NW/4			Sacramento Municipal Utility District	27.0000000%	23.625000%	
	T31N R6W			ROYALTY		12.500000%	
				ORRI		0.0000000%	
	Sec 12: ALL				100.000000%	100.000000%	
	Sec 13: ALL						
	Sec 24: ALL						
	#72, #72A, #171, #171A, #171B, #171C, #154, #154A						
	#80, #80A, #149, #149A, #30, #30A, #30B, #149B						
	#125, #125E, #10, #10B, #66M, #19, #19B, #163						
	#163A, #101M						
	#30A, #72A, #149A, #154, #154A, #163, #163A, #171, #171A BP NON-CONSENT						
	#80A BP NON-CONSENT						
SF-078769	T31N R5W			Tract 17			4.488341%
	Sec 17: E/2		960.00	WORKING INTEREST			
	Sec 28: ALL			Williams Production Co. LLC	23.0000000%	0.20125000	
	#153, #153A			BP America Production Co.	50.0000000%	0.43750000	
	#146, #168, #168A			Sacramento Municipal Utility District	27.0000000%	0.23625000	
	#153A, #168, #168A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		0.0000000%	
					100.000000%	100.000000%	

SCHEDULE XXII
E MESAS VERDES

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078764	T31N R5W						
	Sec 18: ALL		2187.30	Tract 18 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	10.228404%
	Sec 19: Lots 1,4, E/2E/2, NW/4NE/4, SW/4SE/4,			Sacramento Municipal Utility District	27.000000%	23.825000%	
	Sec 20: SE/4			ROYALTY		12.500000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ORRI		0.000000%	
	Sec 30: ALL				100.000000%	100.000000%	
	Sec 31: ALL						
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						
SF-078764	T31N R5W						
	Sec 20: N/2		320.00	WORKING INTEREST Williams Production Co. LLC	23.000000%	20.125000%	1.498114%
	#85, #85A			BP America Production Co.	50.000000%	43.750000%	
	#85A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.825000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R5W		152.22	Tract 19 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	0.711683%
	Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4			Sacramento Municipal Utility District	27.000000%	23.825000%	
	#183, #183A, #159, #159A			ROYALTY		12.500000%	
	#159A, #183, #183A BP NON-CONSENT			ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R5W			Tract 20 WORKING INTEREST			1.498114%
	Sec 20: SW/4		320.00	Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 29: NW/4			Sacramento Municipal Utility District	27.000000%	23.825000%	
	#17, #17A, #17B, #64M, #23, #23B			ROYALTY		12.500000%	
	#17A BP NON-CONSENT			ORRI		0.000000%	
					100.000000%	100.000000%	
SF-079165	T31N R5W			Tract 21 WORKING INTEREST			0.748057%
	Sec 29: S/2NE/4, E/2SE/4		160.00	Williams Production Co. LLC	73.000000%	63.875000%	
	#15, #15A			Sacramento Municipal Utility District	27.000000%	23.825000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-347-56	T31N R5W Sec 32, NW1/4 #24, #24A, #24B, #24C		160.00	Tract 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 13.055401%	76.076524% 11.423476% 12.500000% 0.000000%	0.748057%
E-347-48	T31N R5W Sec 32, NE1/4 #26, #26A, #26B		160.00	Tract 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	87.500000% 12.500000% 0.000000% 100.000000%	0.748057%
E-347-55	T31N R5W Sec 32, S1/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	Tract 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	65.625000% 12.500000% 21.875000% 100.000000%	1.496114%
SF-078773	T31N R5W Sec 33, ALL #77, #77A, #77B #147, #147A #147A BP NON-CONSENT		640.00	Tract 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 23.625000% 27.000000% 0.000000% 100.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000% 100.000000%	2.992227%
SF-078772	T31N R6W Sec 1, ALL Sec 3, Lots 5,6,7,8,9, SE4, E2SW1/4, SW1/4SW1/4 Sec 4, Lots 5,6,7,8,9, N2SW1/4 NW1/4SE4, SE4SE4 T32N R6W Sec 33, W1/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT		1161.86	Tract 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	63.875000% 23.625000% 12.500000% 0.000000% 100.000000%	5.432108%

TWENTY-SECOND PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/98

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078772	T32N R6W						
	Sec 33: NE/4, W/2SE/4		1400.00	WORKING INTEREST			
	Sec 34: E/2, E/2W/2, SW/4SW/4			Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 35: ALL			BP America Production Co	50.000000%	43.750000%	
	#90A, #89, #89A, #89C, #129, #129A, #91, #91A, #91B, #91C, #44, #44A, #44B			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT			ORRI		12.500000%	
					100.000000%	100.000000%	
E-289-53	T31N R6W						
	Sec 2: Lots 6, 7, 8, S/2		346.91	Tract 30 WORKING INTEREST			1.621927%
	#148, #148A, #148B			Williams Production Co. LLC	73.000000%	82.050000%	
	#148A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	22.950000%	
				ROYALTY		12.500000%	
				ORRI		2.500000%	
					100.000000%	100.000000%	
Uncommitted	T31N R6W						
	Sec 2: Lots 5, #148, #148A, #148B	9.35		Tract 31			0.000000%
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W						
	Sec 3 & 4 a portion thereof designated as Tract 37	38.12		Tract 32			0.000000%
	This tract is not committed to the unit						
Uncommitted	T32N R6W						
	Sec 33: E/2SE/4	120.00					0.000000%
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W						
	Sec 4: S/2SW/4, SW/4SE/4		2220.23	Tract 33 WORKING INTEREST			10.380364%
	Sec 5: ALL			Williams Production Co. LLC	73.000000%	63.675000%	
	Sec 8: NW/4, E/2NE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 9: ALL			ROYALTY		12.500000%	
	Sec 10: Lots 1, 2, 3, E/2E/2, NW/4			ORRI		0.000000%	
	Sec 15: Lots 1, 2, E/2SW/4, E/2				100.000000%	100.000000%	
	#12, #12A, #12B, #181, #181A						
	#80, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						

SCHEDULE XXIII
E MESAVERDE F

[illegible]

SCHEDULE XXIII

[illegible]

SCHEDULE XXIII
 TWENTY-SECOND PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/98

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-20	T31N R6W Sec 16: The approximate 16.88 acres S/2S/2SE/4NW/4 & S/2S/2SW/4NE/4 Also described as the N/2N/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #145A		16.88	Tract 40 WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% 12.500000% 100.000000%	32.812500% 6.562500% 6.562500% 6.562500% 6.562500% 6.562500% 21.875000% 100.000000%	0.078920%
E-346-22	T31N R6W Sec 16: The approximate 8.44 acres S/2S/2SE/4NE/4 Also described as the N/2N/2NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		8.44	Tract 40A WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.000000% 10.000000% 10.000000% 10.000000% 10.000000% 10.000000% 12.500000% 100.000000%	32.812500% 6.562500% 6.562500% 6.562500% 6.562500% 6.562500% 21.875000% 100.000000%	0.039460%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2N/4, 71.56 acres out of W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C, #32, #32A WISER NON-CONSENT		143.12	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.000000% 100.000000% 100.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000%	0.869137%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		71.56	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 100.000000% 100.000000% 100.000000%	19.550000% 42.500000% 22.950000% 12.500000% 2.500000% 100.000000%	0.334566%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as E/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #25A, #79, #79A, #79B #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 100.000000% 100.000000%	82.500000% 12.500000% 5.000000% 100.000000%	0.374028%

SCHEDULE XXIII
TWENTY-SECOND PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/98

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-504-15	T32N R6W Sec 32: W/2		320.00	Tract 44 WORKING INTEREST			1.496114%
	#150, #150A, #150B			Williams Production Co. LLC	100.000000%	84.500000%	
	#150A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		3.000000%	
					100.000000%	100.000000%	
E-504-19	T32N R6W Sec 32: E/2		320.00	Tract 45 WORKING INTEREST			1.496114%
	#29, #29B, #29M			Williams Production Co. LLC	100.000000%	65.625000%	
	#29M BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		21.875000%	
					100.000000%	100.000000%	
Fee	T32N R6W Sec 34: W/2NW/4		80.00	Tract 46 WORKING INTEREST			0.374028%
	#129, #129A			Williams Production Co. LLC	23.000000%	20.125000%	
	#129, #129A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
E-346-30	T32N R6W Sec 36: W/2		320.00	Tract 47 WORKING INTEREST			1.496114%
	#152, #152A, #152B			Williams Production Co. LLC	73.000000%	63.875000%	
	#152A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
E-346-33	T32N R6W Sec 36: E/2		320.00	Tract 48 WORKING INTEREST			1.496114%
	#34, #34A, #34B, #34C			Williams Production Co. LLC	100.000000%	65.625000%	
	#34A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		21.875000%	
					100.000000%	100.000000%	
		167.47	21388.75				

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXIII
TWENTY-SECOND PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 18, 19, 20, 28, 29, 30, 31, 32, 33 ALL

Section 17: E/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26: ALL

Section 16: N/2

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area: 21,556.22

Total number of acres no committed to Participating Area: 167.47

Total number of acres committed to Participating Area: 21,388.75

*Portions of this acreage not committed to unit.

Effective November 1, 1998

SCHEDULE XXIV
THE MESAS VERDES

[illegible]

SCHEDULE XXIV
TWENTY-THIRD PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/00

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078764	T31N R5W						
	Sec 18: ALL		2187.30	Tract 18 WORKING INTEREST Williams Production Co. LLC	73.000000%	63.875000%	10.075661%
	Sec 19: Lots 1,4, E/2E/2, NW/4NE/4, SW/4SE/4,			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 20: SE/4			ROYALTY		12.500000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ORRI	100.000000%	0.000000%	
	Sec 30: ALL					100.000000%	
	Sec 31: ALL						
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						
SF-078764	T31N R5W						1.474080%
	Sec 20: N/2		320.00	WORKING INTEREST			
	#85, #85A			Williams Production Co. LLC	23.000000%	20.125000%	
	#85A BP NON-CONSENT			BP America Production Co.	50.000000%	43.750000%	
				Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	0.000000%	
						100.000000%	
Fee	T31N R5W		152.22	TRACT 19 WORKING INTEREST			0.701192%
	Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4			Williams Production Co. LLC	73.000000%	63.875000%	
	#183, #183A, #159, #159A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#159A, #183, #183A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI	100.000000%	0.000000%	
						100.000000%	
Fee	T31N R5W			TRACT 20 WORKING INTEREST			1.474080%
	Sec 20: SW/4		320.00	Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 29: NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#17, #17A, #17B, #64M, #23, #23B			ROYALTY		12.500000%	
	#17A BP NON-CONSENT			ORRI	100.000000%	0.000000%	
						100.000000%	
SF-079165	T31N R5W			TRACT 21 WORKING INTEREST			0.737030%
	Sec 29: S/2NE/4, E/2SE/4		160.00	Williams Production Co. LLC	73.000000%	63.875000%	
	#15, #15A			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	0.000000%	
						100.000000%	

SCHEDULE XXIV

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-347-56	T31N R5W Sec 32: NW/4 #24, #24A, #24B, #24C		160.00	Tract 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 13.055401%	76.076524% 11.423476% 12.500000% 0.000000% 100.000000%	0.737030%
E-347-48	T31N R5W Sec 32: NE/4 #26, #26A, #26B		160.00	Tract 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 0.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000% 100.000000%	0.737030%
E-347-55	T31N R5W Sec 32: S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	Tract 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 21.875000% 100.000000%	65.625000% 12.500000% 12.500000% 21.875000% 100.000000%	1.474080%
SF-078773	T31N R5W Sec 33: ALL #77, #77A, #77B, #147, #147A, #147A BP NON-CONSENT		640.00	Tract 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 100.000000%	20.125000% 43.750000% 23.825000% 12.500000% 0.000000% 100.000000%	2.948120%
SF-078772	T31N R6W Sec 1: ALL Sec 3: Lots 5,6,7,8,9, SE/4, E/2SW/4, SW/4SW/4 Sec 4: Lots 5,6,7,8,9, N/2SW/4 NW/4SE/4, SE/4SE/4 T32N R6W Sec 33: W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT		1161.86	Tract 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 100.000000%	63.875000% 23.825000% 12.500000% 0.000000% 100.000000%	5.352035%

SCHEDULE XXIV
TWENTY-THIRD PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/00

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078772	T32N R6W		1400.00	WORKING INTEREST			
	Sec 33: NE/4, W/2SE/4			Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 34: E/2, E/2W/2, SW/4SW/4			BP America Production Co	50.000000%	43.750000%	
	Sec 35: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#90A, #89, #89A, #89C, #129, #129A, #91, #91A, #91B, #91C, #44, #44A, #44B			ROYALTY		12.500000%	
	#44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT			ORRI	100.000000%	100.000000%	
E-289-53	T31N R6W			Tract 30			1.598019%
	Sec 2: Lots 6, 7, 8, S/2		346.91	WORKING INTEREST			
	#148, #148A, #148B			Williams Production Co. LLC	73.000000%	62.050000%	
	#148A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	22.850000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	100.000000%	
Uncommitted	T31N R6W	9.35		Tract 31			0.000000%
	Sec 2: Lot 5,						
	#148, #148A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.000000%
	Sec 3 & 4 a portion thereof						
	designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E/2SE/4						
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W			Tract 33			10.227351%
	Sec 4: S/2SW/4, SW/4SE/4		2220.23	WORKING INTEREST			
	Sec 5: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 8: NW/4, E/2NE/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 9: ALL			ROYALTY		12.500000%	
	Sec 10: Lots 1, 2, 3, E/2E/2, NW/4			ORRI	100.000000%	100.000000%	
	Sec 15: Lots 1, 2, E/2SW/4, E/2						
	#12, #12A, #12B, #181, #181A						
	#80, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						

SCHEDULE XXIV
TWENTY-THIRD PARTICIPATING AREA FOR THE MESASVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/00

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078765	T31N R6W						
	Sec 8: SW/4, E/2SE/4		240.00	WORKING INTEREST			
	#88, #89A, #167, #167A, #167B, #167, #167A, BP NON-CONSENT			Williams Production Co. LLC	23.0000000%	20.1250000%	1.105545%
				BP America Production Co	50.0000000%	43.7500000%	
				Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R6W						
	Sec 8 : W/2SE/4		80.00	WORKING INTEREST			0.368515%
	#167, #167A, #167B			Williams Production Co. LLC	23.0000000%	20.1250000%	
	#167 & #167A BP NON-CONSENT			BP America Production Co	50.0000000%	43.7500000%	
				Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R6W						
	Sec 8 : W/2NE/4		80.00	WORKING INTEREST			0.368515%
	#167, #167A, #167B			Williams Production Co. LLC	73.0000000%	63.8750000%	
	#167 & #167A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R6W						
	Sec 10: W/2E/2		160.00	WORKING INTEREST			0.737030%
	#181, #181A			Williams Production Co. LLC	73.0000000%	63.8750000%	
	#181, #181A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R6W						
	Sec 10: Tract 38		161.52	WORKING INTEREST			0.744032%
	Sec 15: Tract 38			Williams Production Co. LLC	73.0000000%	59.8818000%	
	#25A, #75, #75A			Sacramento Municipal Utility District	27.0000000%	22.1481000%	
	#25A, #75, #75A BP NON-CONSENT			ROYALTY		12.5000000%	
				ORRI		5.4700000%	
					100.0000000%	100.0000000%	

SCHEDULE XXIV
TWENTY-THIRD PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/00

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W						
	Sec 11: ALL		2560.00	Tract 37 WORKING INTEREST			11.792480%
	Sec 14: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 23: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 26: ALL			ROYALTY		12.500000%	
	#1E, #9, #9A, #9B, #36, #38B, #16, #16A, #16B, #16C, #20, #20A, #20B, #20C			ORRI	100.000000%	100.000000%	
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W			Tract 38 WORKING INTEREST			0.368515%
	Sec 15 Tract 39		80.00	Williams Production Co. LLC	73.000000%	63.875000%	
	Also described as the E/2NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#25A			ROYALTY		12.500000%	
	#25A BP NON-CONSENT			ORRI	100.000000%	100.000000%	
SF-078766	T31N R6W			Tract 39 WORKING INTEREST			3.982173%
	Sec 22: E/2		864.48	Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 25: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#18, #18A			ROYALTY		12.500000%	
	#160, #160A, #165, #165A, #165B, #165C			ORRI	100.000000%	100.000000%	
	#180, #180A, #165, #165A BP NON-CONSENT						
SF-078766	T31N R6W			WORKING INTEREST			7.408211%
	Sec 16: Lots 1,2,3, (94.50), N/2NE/4, SW/4NW/4, N/2NW/4		1808.23	Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 17: ALL			BP America Production Co	50.000000%	43.750000%	
	Sec 21: Lots 1,2,3, W/2NW/4, S/2, Sec 22: Lot 1, SW/4, E/2NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#145, #145A			ROYALTY		12.500000%	
	#138, #138A, #139, #139A, #100E, #170, #32, #32A, #32B, #32C			ORRI	100.000000%	100.000000%	
	#79, #79A, #79B						
	#32, #32A, #139A, #170 BP NON-CONSENT						
E-346-20	T31N R6W			Tract 40 WORKING INTEREST			0.07757%
	Sec 16: The approximate 16.88 acres S/2S/2SE/4NW/4 & S/2S/2SW/4NE/4		16.88	Williams Production Co. LLC	50.000000%	32.812500%	
	Also described as the N/2N/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			J. Glenn Turner Jr. LLC	10.000000%	6.562500%	
	#145A			John L. Turner	10.000000%	6.562500%	
				Fred E. Turner LLC	10.000000%	6.562500%	
				Mary Francis Turner Jr	10.000000%	6.562500%	
				Elizabeth Jeanne Turner	6.562500%	6.562500%	
				ROYALTY		12.500000%	
				ORRI		21.875000%	
					100.000000%	100.000000%	

SCHEDULE XXIV
TWENTY-THIRD PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 8/01/00

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-22	T31N R6W Sec 16: The approximate 8.44 acres S/2S/2SE/4NE/4 Also described as the N/2W/2NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		8.44	Tract 40A WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 32.8125000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000%	6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000%	0.038678%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2NW/4, 71.56 acres out of W/2NE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C, #32, #32A WISER NON-CONSENT		143.12	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.0000000% 87.5000000% 12.5000000% 0.0000000% 100.0000000%	12.5000000% 0.0000000% 100.0000000%	0.659273%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		71.56	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 19.5500000% 50.0000000% 42.5000000% 22.9500000% 12.5000000% 2.5000000%	19.5500000% 42.5000000% 22.9500000% 12.5000000% 2.5000000%	0.329637%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as E/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #25A, #79, #79A, #79B #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 82.5000000% 12.5000000% 5.0000000%	82.5000000% 12.5000000% 5.0000000%	0.368515%
E-504-15	T32N R6W Sec 32: W/2 #150, #150A, #150B #150A BP NON-CONSENT		320.00	Tract 44 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 84.5000000% 12.5000000% 3.0000000%	84.5000000% 12.5000000% 3.0000000%	1.474060%
E-504-19	T32N R6W Sec 32: E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	Tract 45 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 65.6250000% 12.5000000% 21.8750000%	65.6250000% 12.5000000% 21.8750000%	1.474060%

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
Fee	T32N R6W			<u>Tract 46</u>			0.368515%
	Sec 34: W/2NW/4		80.00	WORKING INTEREST			
	#129, #129A			Williams Production Co. LLC	23.0000000%	20.125000%	
	#129, #129A BP NON-CONSENT			BP America Production Co.	50.0000000%	43.750000%	
				Sacramento Municipal Utility District	27.0000000%	23.825000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
E-346-30	T32N R6W			<u>Tract 47</u>			1.474080%
	Sec 36: W/2		320.00	WORKING INTEREST			
	#152, #152A, #152B			Williams Production Co. LLC	73.0000000%	63.875000%	
	#152A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.825000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
E-346-33	T32N R6W			<u>Tract 48</u>			1.474080%
	Sec 36: E/2		320.00	WORKING INTEREST			
	#34, #34A, #34B, #34C			Williams Production Co. LLC	100.0000000%	65.825000%	
	#34A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		21.875000%	
		167.47	21708.75		100.000000%	100.000000%	100.000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXIV
TWENTY-THIRD PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33 ALL

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 17, 21, 22, 23, 24, 25, 26: ALL

Section 16: N/2

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:

21,876.22

Total number of acres not committed to Participating Area:

167.47

Total number of acres committed to Participating Area:

21,708.75

*Portions of this acreage not committed to unit.

Effective August 1, 2000

12

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SCHEDULE XXV

[illegible]

SCHEDULE XXV
 TWENTY-FOURTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/00

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-347-56	T31N R5W Sec 32: NW/4 #24, #24A, #24B, #24C		160.00	TRACT 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 13.055401% 12.500000% 0.000000% 100.000000%	76.076524% 11.423476% 12.500000% 0.000000% 100.000000%	0.728324%
E-347-48	T31N R5W Sec 32: NE/4 #26, #26A, #26B		160.00	TRACT 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 0.000000% 100.000000%	87.500000% 12.500000% 0.000000% 100.000000% 100.000000%	0.728324%
E-347-55	T31N R5W Sec 32: S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	TRACT 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 100.000000% 12.500000% 21.875000% 100.000000%	65.625000% 12.500000% 21.875000% 100.000000% 100.000000%	1.452647%
SF-078773	T31N R5W Sec 33: ALL #77, #77A, #77B #147, #147A, #147A BP NON-CONSENT		640.00	TRACT 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 12.500000% 100.000000% 100.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000% 100.000000%	2.905294%
SF-078772	T31N R6W Sec 1: ALL Sec 3: Lots 5,6,7,8,9, SE/4, E/2SW/4, SW/4SW/4 Sec 4: Lots 5,6,7,8,9, N/2SW/4 NW/4SE/4, SE/4SE/4 T32N R6W Sec 33: W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT		1161.86	TRACT 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 12.500000% 0.000000% 100.000000%	63.875000% 23.625000% 12.500000% 0.000000% 100.000000%	5.274289%

SCHEDULE XXV
TWENTY-FOURTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/00

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078772	T32N R6W		1400.00	WORKING INTEREST			8.365331%
	Sec 33: NE/4,W/2SE/4			Williams Production Co. LLC	23.0000000%	20.125000%	
	Sec 34: E/2, E/2W/2, SW/4SW/4			BP America Production Co	50.0000000%	43.750000%	
	Sec 35: ALL			Sacramento Municipal Utility District	27.0000000%	23.625000%	
	#80A, #89, #89A, #89C, #129, #129A, #91, #91A, #91B, #91C, #44, #44A, #44B			ROYALTY		12.500000%	
	#44, #44A, #80A, #91A, #129, #129A BP NON-CONSENT			ORRI	100.000000%	0.000000%	
						100.000000%	
E-289-53	T31N R6W			Tract 30			1.574806%
	Sec 2: Lots 6,7,8, S/2		346.91	WORKING INTEREST			
	#148, #148A, #148B			Williams Production Co. LLC	73.0000000%	62.050000%	
	#148A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	22.950000%	
				ROYALTY		12.500000%	
				ORRI	100.000000%	2.500000%	
					100.000000%	100.000000%	
Uncommitted	T31N R6W	9.35		Tract 31			0.000000%
	Sec 2: Lot 5,						
	#148, #148A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.000000%
	Sec 3 & 4 a portion thereof designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.000000%
	Sec 33: E/2SE/4						
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W			Tract 33			10.078783%
	Sec 4: S/2SW/4, SW/4SE/4		2220.23	WORKING INTEREST			
	Sec 5: ALL			Williams Production Co. LLC	73.0000000%	63.875000%	
	Sec 8: NW/4, E/2NE/4			Sacramento Municipal Utility District	27.0000000%	23.625000%	
	Sec 9: ALL			ROYALTY		12.500000%	
	Sec 10: Lots 1,2,3, E/2E/2, NW/4			ORRI	100.000000%	0.000000%	
	Sec 15: Lots 1,2, E/2SW/4, E/2				100.000000%	100.000000%	
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						

SCHEDULE XXV

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078766	T31N R6W						
	Sec 8: SW/4, E2SE/4		240.00	WORKING INTEREST			1.089485%
	#88, #88A, #167, #167A, #167B, #167, #167A, BP NON-CONSENT			Williams Production Co. LLC	23.0000000%	20.125000%	
				BP America Production Co	50.0000000%	43.750000%	
				Sacramento Municipal Utility District	27.0000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.0000000%	100.000000%	
Fee	T31N R6W						0.363182%
	Sec 8: W/2SE/4		80.00	WORKING INTEREST			
	#167, #167A, #167B			Williams Production Co. LLC	23.0000000%	20.125000%	
	#167 & #167A BP NON-CONSENT			BP America Production Co	50.0000000%	43.750000%	
				Sacramento Municipal Utility District	27.0000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.0000000%	100.000000%	
Fee	T31N R6W						0.363182%
	Sec 8: W/2NE/4		80.00	WORKING INTEREST			
	#167, #167A, #167B			Williams Production Co. LLC	73.0000000%	63.875000%	
	#167 & #167A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.0000000%	100.000000%	
Fee	T31N R6W						0.726324%
	Sec 10: W/2E/2		160.00	WORKING INTEREST			
	#181, #181A			Williams Production Co. LLC	73.0000000%	63.875000%	
	#181, #181A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.0000000%	100.000000%	
Fee	T31N R6W						0.733224%
	Sec 10: Tract 38		161.52	WORKING INTEREST			
	Sec 15: Tract 38			Williams Production Co. LLC	73.0000000%	59.881800%	
	#25A, #75, #75A			Sacramento Municipal Utility District	27.0000000%	22.148100%	
	#25A, #75, #75A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		5.470000%	
					100.0000000%	100.000000%	

SCHEDULE XXV
TWENTY-FOURTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/00

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W						
	Sec 11: ALL		2560.00	Tract 37 WORKING INTEREST	73.0000000%	63.8750000%	11.621177%
	Sec 14: ALL			Williams Production Co. LLC	27.0000000%	23.6250000%	
	Sec 23: ALL			Sacramento Municipal Utility District		12.5000000%	
	Sec 26: ALL			ROYALTY		0.0000000%	
	#1E, #9, #9A, #9B, #36, #36B,						
	#16, #16A, #16B, #16C, #20, #20A,				100.0000000%	100.0000000%	
	#20B, #20C						
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W						
	Sec 15: Tract 39		80.00	Tract 38 WORKING INTEREST			0.363162%
	Also described as the E/2NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	73.0000000%	63.8750000%	
	#25A			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#25A BP NON-CONSENT			ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R6W						
	Sec 16: Tract 39		80.00	WORKING INTEREST			0.363162%
	Also described as SE/4NW/4 & SW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	23.0000000%	20.1250000%	
	#185, #185A,			BP America Production Co	50.0000000%	43.7500000%	
	#185A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
SF-078766	T31N R6W						
	Sec 22: E/2		864.48	Tract 39 WORKING INTEREST			3.924326%
	Sec 25: ALL			Williams Production Co. LLC	73.0000000%	63.8750000%	
	#18, #18A			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#160, #160A, #165, #165A, #165B, #165C			ROYALTY		12.5000000%	
	#160, #160A, #165, #165A BP NON-CONSENT			ORRI		0.0000000%	
					100.0000000%	100.0000000%	
SF-078766	T31N R6W						
	Sec 16: Lots 1, 2, 3, (94.50), N/2NE/4, SW/4NW/4, N/2NW/4, W/2SW/4		1688.23	WORKING INTEREST			7.663759%
	Sec 17: ALL			Williams Production Co. LLC	23.0000000%	20.1250000%	
	Sec 21: Lots 1, 2, 3, W/2NW/4, S/2,			BP America Production Co	50.0000000%	43.7500000%	
	Sec 22: Lot 1, SW/4, E/2NW/4			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#145, #145A			ROYALTY		12.5000000%	
	#138, #138A, #139, #139A,			ORRI		0.0000000%	
	#100E, #170, #32, #32A, #32B, #32C				100.0000000%	100.0000000%	
	#79, #79A, #79B						
	#32, #32A, #139A, #170 BP NON-CONSENT						

SCHEDULE XXV
TWENTY-FOURTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/00

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-20	T31N R6W Sec 16: The approximate NE/4SW/4, NW/4SE/4 Also described as the N/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		80.00	Tract 40 WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr. LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 32.8125000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 21.8750000% 100.0000000%	6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.363162%
E-346-22	T31N R6W Sec 16: The approximate SE/4SW/4, NE/4SE/4 Also described as the SW/4NW/4, NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		80.00	Tract 40A WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr. LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 32.8125000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 21.8750000% 100.0000000%	6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.363162%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2NW/4, 71.56 acres out of W/2NE/4 Sec 16: approximately 16.88 acres S/2S/2SE/4SW/4 & S/2S/2SW/4SE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C. #32, #32A WISER NON-CONSENT		160.00	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.0000000% 87.5000000% 12.5000000% 0.0000000% 100.0000000%	87.5000000% 12.5000000% 0.0000000% 100.0000000%	0.726324%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Sec 16: 8.44 acres in the S/2S/2SE/4SE/4 of Sec 16 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		80.00	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 18.5500000% 42.5000000% 22.9500000% 12.5000000% 2.5000000% 100.0000000%	18.5500000% 42.5000000% 22.9500000% 12.5000000% 2.5000000% 100.0000000%	0.363162%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as the E/2SE/4 of the resurveyed tracts in Sec 15, 16, 21 & 22 #25A, #79, #79A, #79B, #185A #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 82.5000000% 12.5000000% 5.0000000% 100.0000000%	82.5000000% 12.5000000% 5.0000000% 100.0000000%	0.363162%

SCHEDULE XXV
 TWENTY-FOURTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/00

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-504-15	T32N R6W Sec 32: W/2 #15Q, #150A, #150B #150A BP NON-CONSENT		320.00	<u>Tract 44</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	84.500000%	1.452647%
E-504-19	T32N R6W Sec 32: E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	<u>Tract 45</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	65.625000%	1.452647%
Fee	T32N R6W Sec 34: W/2NW/4 #129, #129A #129, #129A BP NON-CONSENT		80.00	<u>Tract 46</u> WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000%	20.125000%	0.363162%
E-346-30	T32N R6W Sec 36: W/2 #152, #152A, #152B #152A BP NON-CONSENT		320.00	<u>Tract 47</u> WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000%	63.875000%	1.452647%
E-346-33	T32N R6W Sec 36: E/2 #34, #34A, #34B, #34C #34A BP NON-CONSENT		320.00	<u>Tract 48</u> WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000%	65.625000%	1.452647%
			167.47		100.000000%	21.875000%	100.000000%
			22028.75		100.000000%	100.000000%	100.000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXV
TWENTY-FOURTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33 ALL

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24, 25, 26: ALL

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:	22,196.22
Total number of acres no committed to Participating Area:	167.47
Total number of acres committed to Participating Area:	22,028.75

*Portions of this acreage not committed to unit.

Effective September 1, 2000

SCHEDULE XXVI

[illegible]

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-07/8769	T31N R5W						
	Sec 17: ALL		1280.00	TRACT 17 WORKING INTEREST Williams Production Co. LLC	23.0000000%	0.20125000	5.646540%
	Sec 28: ALL			BP America Production Co. LLC	50.0000000%	0.43750000	
	#31, #31A, #31B, #31C, #153, #153A			Sacramento Municipal Utility District	27.0000000%	0.23625000	
	#146, #168, #168A			ROYALTY		12.5000000%	
	#31, #153A, #168, #168A BP NON-CONSENT			ORRI		0.0000000%	
					100.0000000%	100.0000000%	
SF-07/8764	T31N R5W						
	Sec 18: ALL		2187.30	TRACT 18 WORKING INTEREST Williams Production Co. LLC	73.0000000%	63.8750000%	9.648966%
	Sec 19: Lots 1, 4, E/2E/2, NW/4NE/4, SW/4SE/4			Sacramento Municipal Utility District	27.0000000%	23.8250000%	
	Sec 20: SE/4			ROYALTY		12.5000000%	
	Sec 28: N/2NE/4, SW/4, W/2SE/4			ORRI		0.0000000%	
	Sec 30: ALL				100.0000000%	100.0000000%	
	Sec 31: ALL						
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B, #23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						
SF-07/8764	T31N R5W						
	Sec 20: N/2		320.00	WORKING INTEREST Williams Production Co. LLC	23.0000000%	20.1250000%	1.411635%
	#85, #85A			BP America Production Co.	50.0000000%	43.7500000%	
	#85A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R5W		152.22	TRACT 19 WORKING INTEREST Williams Production Co. LLC			0.671497%
	Sec 19: Lots 2, 3, SW/4NE/4, NW/4SE/4			Sacramento Municipal Utility District	73.0000000%	63.8750000%	
	#183, #183A, #159, #159A			ROYALTY	27.0000000%	23.6250000%	
	#159A, #183, #183A BP NON-CONSENT			ORRI		12.5000000%	
						0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R5W						
	Sec 20: SW/4		320.00	TRACT 20 WORKING INTEREST Williams Production Co. LLC			1.411635%
	Sec 29: NW/4			Sacramento Municipal Utility District	73.0000000%	63.8750000%	
	#17, #17A, #17B, #64M, #23, #23B			ROYALTY	27.0000000%	23.6250000%	
	#17A BP NON-CONSENT			ORRI		12.5000000%	
					100.0000000%	100.0000000%	

SCHEDULE XXVI
 TWENTY-FIFTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/00

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079165	T31N R5W Sec 29, S2NE/4, E2SE/4 #15, #15A		160.00	Tract 21 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000% 63.875000% 23.825000% 12.500000% 0.000000%		0.705817%
E-347-56	T31N R5W Sec 32, NW/4 #24, #24A, #24B, #24C		160.00	Tract 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 76.076524% 11.423476% 12.500000% 0.000000%		0.705817%
E-347-48	T31N R5W Sec 32, NE/4 #26, #26A, #26B		160.00	Tract 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 87.500000% 12.500000% 0.000000%		0.705817%
E-347-55	T31N R5W Sec 32, S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	Tract 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 65.825000% 12.500000% 21.875000%		1.411635%
SF-078773	T31N R5W Sec 33, ALL Sec 34, W/2 #77, #77A, #77B #147, #147A, #188, #188A #147A, #188 BP NON-CONSENT		960.00	Tract 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 20.125000% 50.0000000% 43.750000% 23.825000% 12.500000% 0.000000%		4.234905%
SF-078772	T31N R6W Sec 1, ALL Sec 3, Lots 5,6,7,8,9, SE/4, E2SW/4, SW/4SW/4 Sec 4, Lots 5,6,7,8,9, N2SW/4 NW/4SE/4, SE/4SE/4 T32N R6W Sec 33, W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT		1161.86	Tract 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000% 63.875000% 23.825000% 12.500000% 0.000000%		5.125382%

SCHEDULE XXVI
 TWENTY-FIFTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/00

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078772	T32N R6W						
	Sec 33. NE/4, W/2SE/4		1400.00	WORKING INTEREST			
	Sec 34. E/2, E/2W/2, SW/4SW/4			Williams Production Co. LLC	23.0000000%	20.1250000%	
	Sec 35. ALL			BP America Production Co	50.0000000%	43.7500000%	
	#90A, #89, #89A, #89C, #129, #129A, #91, #91A, #91B, #91C, #44, #44A, #44B			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT			ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
E-289-53	T31N R6W						
	Sec 2: Lots 6, 7, 8, S/2		348.91	Tract 30 WORKING INTEREST			1.530345%
	#148, #148A, #148B			Williams Production Co. LLC	73.0000000%	62.0500000%	
	#148A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	22.9500000%	
				ROYALTY		12.5000000%	
				ORRI		2.5000000%	
					100.0000000%	100.0000000%	
Uncommitted	T31N R6W	9.35		Tract 31			0.0000000%
	Sec 2: Lot 5,						
	#148, #148A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.0000000%
	Sec 3 & 4 a portion thereof						
	designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.0000000%
	Sec 33. E/2SE/4						
	Sec 34. NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078766	T31N R6W			Tract 33			9.7942322%
	Sec 4. S/2SW/4, SW/4SE/4		2220.23	WORKING INTEREST			
	Sec 5. ALL			Williams Production Co. LLC	73.0000000%	63.8750000%	
	Sec 8. NW/4, E/2NE/4			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	Sec 9. ALL			ROYALTY		12.5000000%	
	Sec 10: Lots 1, 2, 3, E/2E/2, NW/4			ORRI		0.0000000%	
	Sec 15: Lots 1, 2, E/2SW/4, E/2				100.0000000%	100.0000000%	
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#89, #89A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078765	T31N R6W						1.058726%
	Sec 8 : SW/4, E/2SE/4	240.00		WORKING INTEREST			
	#88, #89A, #167, #167A, #167B, #167, #167A, BP NON-CONSENT			Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District	23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R6W						0.352909%
	Sec 8 : W/2SE/4	80.00		Tract 34 WORKING INTEREST			
	#167, #167A, #167B			Williams Production Co. LLC	23.000000%	20.125000%	
	#167 & #167A BP NON-CONSENT			BP America Production Co. Sacramento Municipal Utility District	50.000000% 27.000000%	43.750000% 23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R6W						0.352909%
	Sec 8 : W/2NE/4	80.00		WORKING INTEREST			
	#167, #167A, #167B			Williams Production Co. LLC	73.000000%	63.875000%	
	#167 & #167A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R6W						0.705817%
	Sec 10: W/2E/2	180.00		Tract 35 WORKING INTEREST			
	#181, #181A			Williams Production Co. LLC	73.000000%	63.875000%	
	#181, #181A BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R6W						0.712523%
	Sec 10: Tract 38	161.52		Tract 36 WORKING INTEREST			
	Sec 15: Tract 38			Williams Production Co. LLC	73.000000%	59.881900%	
	#25A, #75, #75A			Sacramento Municipal Utility District	27.000000%	22.148100%	
	#25A, #75, #75A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		5.470000%	
					100.000000%	100.000000%	

SCHEDULE XXVI
 TWENTY-FIFTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/00

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W						
	Sec 11: ALL		2560.00	Tract 37 WORKING INTEREST			11.293080%
	Sec 14: ALL			Williams Production Co. LLC	73.0000000%	63.8750000%	
	Sec 23: ALL			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	Sec 26: ALL			ROYALTY		12.5000000%	
	#1E, #9, #9A, #9B, #36, #36B,			ORRI		0.0000000%	
	#16, #16A, #16B, #16C, #20, #20A,				100.0000000%	100.0000000%	
	#20B, #20C						
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #6, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W						0.352909%
	Sec 15: Tract 39		80.00	Tract 38 WORKING INTEREST			
	Also described as the E/2NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	73.0000000%	63.8750000%	
	#25A			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#25A BP NON-CONSENT			ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R6W						0.352909%
	Sec 16: Tract 39		80.00	WORKING INTEREST			
	Also described as SE/4NW/4 & SW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	23.0000000%	20.1250000%	
	#185, #185A,			BP America Production Co	50.0000000%	43.7500000%	
	#185A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
SF-078766	T31N R6W						3.813532%
	Sec 22: E/2		864.48	Tract 39 WORKING INTEREST			
	Sec 25: ALL			Williams Production Co. LLC	73.0000000%	63.8750000%	
	#18, #18A			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#160, #160A, #165, #165A, #165B, #165C			ROYALTY		12.5000000%	
	#160, #160A, #165, #165A BP NON-CONSENT			ORRI		0.0000000%	
					100.0000000%	100.0000000%	
SF-078766	T31N R6W						7.447389%
	Sec 16: Lots 1,2,3, (94.50), N/2NE/4, SW/4NW/4, N/2NW/4, W/2SW/4		1688.23	WORKING INTEREST			
	Sec 17: ALL			Williams Production Co. LLC	23.0000000%	20.1250000%	
	Sec 21: Lots 1,2,3, W/2NW/4, S/2,			BP America Production Co	50.0000000%	43.7500000%	
	Sec 22: Lot 1, SW/4, E/2NW/4			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#145, #145A			ROYALTY		12.5000000%	
	#138, #138A, #139, #139A,			ORRI		0.0000000%	
	#100E, #170, #32, #32A, #32B, #32C				100.0000000%	100.0000000%	
	#79, #79A, #79B						
	#32, #32A, #139A, #170 BP NON-CONSENT						

SCHEDULE XXVI

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWL PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-20	T31N R6W Sec 16: The approximate NE4SW/4, NW4SE/4 Also described as the N2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		80.00	Tract 40 WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 32.8125000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 100.0000000%	6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.352909%
E-346-22	T31N R6W Sec 16: The approximate SE4SW/4, NE4SE/4 Also described as the SW4NW/4, NW4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		80.00	Tract 40A WORKING INTEREST Williams Production Co. LLC J. Glenn Turner Jr LLC John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 32.8125000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 100.0000000%	6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.352909%
E-289	T31N R6W Sec 21: 71.56 acres out of the E2NW/4, 71.56 acres out of W2NE/4 Sec 16: approximately 16.88 acres S2S/2SE/4SW/4 & S2S/2SW/4/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C. #32, #32A WISER NON-CONSENT		160.00	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.0000000% 87.5000000% 12.5000000% 0.0000000% 100.0000000%	12.5000000% 12.5000000% 12.5000000% 0.0000000% 100.0000000%	0.705817%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E2NE/4 Sec 16: 8.44 acres in the S2S/2SE/4SE/4 of Sec. 16 Also described as the W2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C #32, #32A WISER NON-CONSENT		80.00	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 19.5500000% 50.0000000% 42.5000000% 22.9500000% 12.5000000% 2.5000000% 100.0000000%	19.5500000% 19.5500000% 42.5000000% 42.5000000% 22.9500000% 12.5000000% 2.5000000% 100.0000000%	0.352909%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S2S/2SW/4SW/4 Sec 22: 71.59 acres in the W2NW/4 Also described as the E2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #25A, #79, #79A, #79B, #185A #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 82.5000000% 12.5000000% 5.0000000% 100.0000000%	82.5000000% 82.5000000% 12.5000000% 5.0000000% 100.0000000%	0.352909%

SCHEDULE XXVI
 TWENTY-FIFTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 11/01/00

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-504-15	T32N R6W Sec 32, W/2 #150, #150A, #150B #150A BP NON-CONSENT		320.00	Tract 44 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	84.5000000% 12.5000000% 3.0000000%	1.411835%
E-504-19	T32N R6W Sec 32, E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	Tract 45 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	65.8250000% 12.5000000% 21.8750000%	1.411835%
Fee	T32N R6W Sec 34, W/2NW/4 #129, #129A #129, #129A BP NON-CONSENT		80.00	Tract 46 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000%	20.1250000% 43.7500000% 23.8250000%	0.352909%
E-346-30	T32N R6W Sec 36, W/2 #152, #152A, #152B #152A BP NON-CONSENT		320.00	Tract 47 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000% 27.0000000%	63.8750000% 23.8250000% 12.5000000%	1.411835%
E-346-33	T32N R6W Sec 36, E/2 #34, #34A, #34B, #34C #34A BP NON-CONSENT		320.00	Tract 48 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	65.8250000% 12.5000000% 21.8750000%	1.411835%
		167.47	22668.75		100.0000000%	100.0000000%	100.0000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXVI
TWENTY-FIFTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33 ALL

Section 27: S/2

Section 34: W/2

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24, 25, 26: ALL

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area:	22,836.22
Total number of acres no committed to Participating Area:	167.47
Total number of acres committed to Participating Area:	22,668.75

*Portions of this acreage not committed to unit.

Effective November 1, 2000

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NON-COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078763	T31N R5W Sec 5: ALL Sec 8: NE/4 #41, #41A, #41B, #46A		527.96	Tract 13 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000%	63.875000% 23.625000% 12.500000% 0.000000%	2.268986%
	T31N R5W Sec 8: S/2 #46A, #80, #80A #80A BP NON-CONSENT		320.00	WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000%	20.125000% 43.750000% 23.625000% 12.500000% 0.000000%	1.375235%
SF-078767	T31N R5W Sec 6: ALL Sec 7: ALL Sec 8: NW/4 T31N R6W Sec 12: ALL Sec 13: ALL Sec 24: ALL #72, #72A, #171, #171A, #171B, #171C, #154, #154A #80, #80A, #149, #149A, #30, #30A, #30B, #149B #125, #125E, #10, #10B, #66M, #19, #19B, #163 #163A, #101M #30A, #72A, #149A, #154, #154A, #163, #163A, #171, #171A BP NON-CONSENT #80A BP NON-CONSENT		2518.04	Tract 14 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000%	63.875000% 23.625000% 12.500000% 0.000000%	10.821553%
SF-078770	T31N R5W Sec 27: S/2 #6Y #6Y BP NON-CONSENT		320.00	Tract 16 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000%	0.20125000 0.43750000 0.23625000 12.500000% 0.000000%	1.375235%

SCHEDULE XXVII
TWENTY-SIXTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/01

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078769	T31N R5W						
	Sec 17: ALL		1600.00	TRACT 17 WORKING INTEREST Williams Production Co. LLC	23.0000000%	0.20125000	6.876175%
	Sec 21: W/2			BP America Production Co.	50.0000000%	0.43750000	
	Sec 28: ALL			Sacramento Municipal Utility District	27.0000000%	0.23625000	
	#31, #31A, #31B, #31C, #153, #159A, #187			ROYALTY		12.5000000%	
	#146, #168, #168A			ORRI		0.0000000%	
	#31, #153A, #168, #168A BP NON-CONSENT				100.0000000%	100.0000000%	
SF-078764	T31N R5W						
	Sec 18: ALL		2187.30	TRACT 18 WORKING INTEREST Williams Production Co. LLC	73.0000000%	63.8750000%	9.400161%
	Sec 19: Lots 1,4, E/2E/2, NW/4NE/4, SW/4SE/4,			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	Sec 20: SE/4			ROYALTY		12.5000000%	
	Sec 29: N/2NE/4, SW/4, W/2SE/4			ORRI		0.0000000%	
	Sec 30: ALL				100.0000000%	100.0000000%	
	Sec 31: ALL						
	#22, #22A, #182, #182A, #183, #183A, #17, #17A, #17B,						
	#23, #23B, #64M, #162, #162A, #166, #166A, #15, #15A						
	#13, #13A, #137, #137A, #137B, #159, #159A						
	#13A, #17A, #137A, #159A, #162, #162A, #166, #166A BP NON-CONSENT						
	#22A, #182, #182A, #183, #183A BP NON-CONSENT						
SF-078764	T31N R5W						
	Sec 20: N/2		320.00	WORKING INTEREST Williams Production Co. LLC	23.0000000%	20.1250000%	1.375235%
	#85, #85A			BP America Production Co.	50.0000000%	43.7500000%	
	#85A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
				ROYALTY		12.5000000%	
				ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R5W		152.22	TRACT 19 WORKING INTEREST Williams Production Co. LLC			0.654182%
	Sec 19: Lots 2,3, SW/4NE/4, NW/4SE/4			Sacramento Municipal Utility District	73.0000000%	63.8750000%	
	#183, #183A, #159, #159A			ROYALTY	27.0000000%	23.6250000%	
	#159A, #183, #183A BP NON-CONSENT			ORRI		0.0000000%	
					100.0000000%	100.0000000%	
Fee	T31N R5W			TRACT 20 WORKING INTEREST Williams Production Co. LLC			1.375235%
	Sec 20: SW/4		320.00	Sacramento Municipal Utility District	73.0000000%	63.8750000%	
	Sec 29: NW/4			ROYALTY	27.0000000%	23.6250000%	
	#17, #17A, #17B, #64M, #23, #23B			ORRI		12.5000000%	
	#17A BP NON-CONSENT				100.0000000%	100.0000000%	

EFFECTIVE 9/01/01

SCHEDULE XXVII
TWENTY-SIXTH PARTICIPATING AREA FOR THE MESASVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/01

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079165	T31N R6W Sec 29: S2/NE4, E2/SE4 #15, #15A		160.00	Tract 21 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 23.625000% 12.500000% 0.000000%	63.875000% 23.625000% 12.500000% 0.000000%	0.687618%
E-347-56	T31N R6W Sec 32: NW/4 #24, #24A, #24B, #24C		160.00	Tract 25 WORKING INTEREST Williams Production Co. LLC BP America Production Co ROYALTY ORRI	86.944599% 13.055401% 12.500000% 0.000000%	76.076524% 11.423476% 12.500000% 0.000000%	0.687618%
E-347-48	T31N R5W Sec 32: NE/4 #26, #26A, #26B		160.00	Tract 26 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 87.500000% 12.500000% 0.000000%		0.687618%
E-347-55	T31N R5W Sec 32: S/2 #24, #24A, #24B, #24C, #26, #26A, #26B		320.00	Tract 27 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.000000% 65.625000% 12.500000% 21.875000%		1.375235%
SF-078773	T31N R6W Sec 33: ALL Sec 34: W/2, SE/4, N/2NE4, SE4NE4 not including SW/4NE4 where #184A (is non-commercial) #77, #77A, #77B #147, #147A, #188, #184, #186A #147A, #188 BP NON-CONSENT		1240.00	Tract 28 WORKING INTEREST Williams Production Co. LLC BP America Production Co Sacramento Municipal Utility District ROYALTY ORRI	23.000000% 50.000000% 27.000000% 12.500000% 0.000000%	20.125000% 43.750000% 23.625000% 12.500000%	5.329036%
SF-078772	T31N R6W Sec 1: ALL Sec 3: Lots 5,6,7,8,9, SE4, E/2SW/4, SW/4SW/4 Sec 4: Lots 5,6,7,8,9, N/2SW/4 NW/4SE4, SE4SE4 T32N R6W Sec 33: W/2 #164, #164A, #164B, #169, #169A, #60, #60A #151, #151A #60, #60A, #151A, #164, #164A, #169, #169A BP NON-CONSENT		1161.86	Tract 29 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.000000% 27.000000% 23.625000% 12.500000% 0.000000%	63.875000% 23.625000% 12.500000% 0.000000%	4.993221%

EFFECTIVE 9/01/01

SCHEDULE XXVII
TWENTY-SIXTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/01

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078772	T32N R6W						
	Sec 33: NE/4, W/2SE/4		1400.00	WORKING INTEREST			
	Sec 34: E/2, E/2W/2, SW/4SW/4			Williams Production Co. LLC	23.0000000%	20.1250000%	
	Sec 35: ALL			BP America Production Co	50.0000000%	43.7500000%	
	#90A, #89, #89A, #89C, #129, #129A,			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	#91, #91A, #91B, #91C, #44, #44A, #44B			ROYALTY		12.5000000%	
	#44, #44A, #90A, #91A, #129, #129A BP NON-CONSENT			ORRI	0.0000000%	0.0000000%	
					100.0000000%	100.0000000%	
E-299-53	T31N R6W			Tract 30			1.490884%
	Sec 2: Lots 6, 7, 8, S/2		346.91	WORKING INTEREST			
	#148, #148A, #148B			Williams Production Co. LLC	73.0000000%	62.0500000%	
	#148A BP NON-CONSENT			Sacramento Municipal Utility District	27.0000000%	22.9500000%	
				ROYALTY		12.5000000%	
				ORRI	2.5000000%	2.5000000%	
					100.0000000%	100.0000000%	
Uncommitted	T31N R6W	9.35		Tract 31			0.0000000%
	Sec 2: Lot 5,						
	#148, #148A, #148B						
	This tract is not committed to the unit						
	#148A BP NON-CONSENT						
Uncommitted	T31N R6W	38.12		Tract 32			0.0000000%
	Sec 3 & 4 a portion thereof						
	designated as Tract 37						
	This tract is not committed to the unit						
Uncommitted	T32N R6W	120.00					0.0000000%
	Sec 33: E/2SE/4						
	Sec 34: NW/4SW/4						
	#90, #90A						
	This tract is not committed to the unit						
	#90A SAN JUAN BASIN PROPERTIES NON-CONSENT						
SF-078765	T31N R6W			Tract 33			9.541681%
	Sec 4: S/2SW/4, SW/4SE/4		2220.23	WORKING INTEREST			
	Sec 5: ALL			Williams Production Co. LLC	73.0000000%	63.8750000%	
	Sec 8: NW/4, E/2NE/4			Sacramento Municipal Utility District	27.0000000%	23.6250000%	
	Sec 9: ALL			ROYALTY		12.5000000%	
	Sec 10: Lots 1, 2, 3, E/2E/2, NW/4			ORRI	100.0000000%	0.0000000%	
	Sec 15: Lots 1, 2, E/2SW/4, E/2				100.0000000%	100.0000000%	
	#12, #12A, #12B, #181, #181A						
	#60, #60A, #75, #75A						
	#35A, #35X						
	#88, #88A, #167, #167A, #167B						
	#156, #156A, #180, #180A						
	#12A, #156, #156A, #167, #167A, BP NON-CONSENT						
	#35A, #60, #60A, #75, #75A, #180, #180A, #181, #181A BP NON-CONSENT						

EFFECTIVE 9/01/01

SCHEDULE XXVIII

[illegible]

SCHEDULE XXVII

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-078771	T31N R6W						
	Sec 11: ALL		2560.00	Tract 37 WORKING INTEREST			
	Sec 14: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	Sec 23: ALL			Sacramento Municipal Utility District	27.000000%	23.625000%	
	Sec 26: ALL			ROYALTY		12.500000%	
	#1E, #9, #9A, #9B, #36, #36B,			ORRI		0.000000%	
	#16, #16A, #16B, #16C, #20, #20A,				100.000000%	100.000000%	
	#20B, #20C						
	#14, #14A, #21, #21A, #21B						
	#5A, #5B, #5Y, #8, #8A, #8B, #8C						
	#5Y, #14A, #16B, #16C, #20B, #20C, #21A, BP NON-CONSENT						
Fee	T31N R6W			Tract 38			0.343809%
	Sec 15: Tract 39		80.00	WORKING INTEREST			
	Also described as the E/2NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	73.000000%	63.875000%	
	#25A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#25A BP NON-CONSENT			ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
Fee	T31N R6W						0.343809%
	Sec 16: Tract 39		80.00	WORKING INTEREST			
	Also described as SE/4NW/4 & SW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22			Williams Production Co. LLC	23.000000%	20.125000%	
	#16S, #16SA,			BP America Production Co	50.000000%	43.750000%	
	#16SA BP NON-CONSENT			Sacramento Municipal Utility District	27.000000%	23.625000%	
				ROYALTY		12.500000%	
				ORRI		0.000000%	
					100.000000%	100.000000%	
SF-078766	T31N R6W			Tract 39			3.715197%
	Sec 22: E/2		864.48	WORKING INTEREST			
	Sec 25: ALL			Williams Production Co. LLC	73.000000%	63.875000%	
	#18, #18A			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#16O, #16OA, #16S, #16SA, #16SB, #16SC			ROYALTY		12.500000%	
	#16O, #16OA, #16S, #16SA BP NON-CONSENT			ORRI		0.000000%	
					100.000000%	100.000000%	
SF-078766	T31N R6W						7.255353%
	Sec 16: Lots 1,2,3, (94.50), N/2NE/4, SW/4NW/4, N/2NW/4, W/2SW/4		1688.23	WORKING INTEREST			
	Sec 17: ALL			Williams Production Co. LLC	23.000000%	20.125000%	
	Sec 21: Lots 1,2,3, W/2NW/4, S/2,			BP America Production Co	50.000000%	43.750000%	
	Sec 22: Lot 1, SW/4, E/2NW/4			Sacramento Municipal Utility District	27.000000%	23.625000%	
	#14S, #14SA			ROYALTY		12.500000%	
	#138, #138A, #139, #139A,			ORRI		0.000000%	
	#100E, #170, #32, #32A, #32B, #32C				100.000000%	100.000000%	
	#79, #79A, #79B						

SCHEDULE XXVII
TWENTY-SIXTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/01

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-346-20	T31N R6W Sec 16: The approximate NE/4SW/4, NW/4SE/4 Also described as the W/2NW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		80.00	Tract 40 WORKING INTEREST Williams Production Co. LLC John L. Turner John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 32.8125000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000%	6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.343809%
E-346-22	T31N R6W Sec 16: The approximate SE/4SW/4, NE/4SE/4 Also described as the SW/4NW/4, NW/4NE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #185, #185A #185, #185A BP NON-CONSENT		80.00	Tract 40A WORKING INTEREST Williams Production Co. LLC John L. Turner John L. Turner Fred E. Turner LLC Mary Francis Turner Jr Elizabeth Jeanne Turner ROYALTY ORRI	50.0000000% 32.8125000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000% 10.0000000%	6.5625000% 6.5625000% 6.5625000% 6.5625000% 6.5625000% 12.5000000% 21.8750000% 100.0000000%	0.343809%
E-289	T31N R6W Sec 21: 71.56 acres out of the E/2NW/4, 71.56 acres out of W/2NE/4 Sec 16: approximately 16.88 acres S/2S/2SE/4SW/4 & S/2S/2SW/4SE/4 Also described as the SW/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C. #32, #32A WISER NON-CONSENT		160.00	Tract 41 WORKING INTEREST Wiser Oil Co. ROYALTY ORRI	100.0000000% 87.5000000% 12.5000000% 100.0000000%	8.5625000% 0.0000000% 100.0000000%	0.687618%
E-289-43	T31N R6W Sec 21: 71.56 acres out of the E/2NE/4 Sec 16: 8.44 acres in the S/2S/2SE/4SW/4 of Sec 16 Also described as the W/2SE/4 of the resurveyed tracts lying in Sec. 15, 16, 21 & 22 #32, #32A, #32B, #32C. #32, #32A WISER NON-CONSENT		80.00	Tract 42 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 19.5600000% 50.0000000% 42.5000000% 22.9600000% 12.5000000% 2.5000000%	100.0000000% 100.0000000%	0.343809%
E-289-50	T31N R6W Sec 15: 8.41 acres out of S/2S/2SW/4SW/4 Sec 22: 71.59 acres in the W/2NW/4 Also described as the E/2SE/4 of the resurveyed tracts in Sec 15, 16, 21 & 22 #25A, #79, #79A, #79B, #185A #25A BP NON-CONSENT		80.00	Tract 43 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000% 82.5000000% 12.5000000% 5.0000000%	100.0000000% 100.0000000%	0.343809%

SCHEDULE XXVII
 TWENTY-SIXTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION ROSA UNIT AREA EFFECTIVE 9/01/01

SERIAL NUMBER	DESCRIPTION	NON- COMMITTED ACRES	PA ACRES	TRACT OWNERSHIP	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
E-504-15	T32N R6W Sec 32: W/2 #150, #150A, #150B #150A BP NON-CONSENT		320.00	Tract 44 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	84.5000000% 12.5000000% 3.0000000%	1.375235%
E-504-19	T32N R6W Sec 32: E/2 #29, #29B, #29M #29M BP NON-CONSENT		320.00	Tract 45 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	65.6250000% 12.5000000% 21.8750000%	1.375235%
Fee	T32N R6W Sec 34: W/2NW/4 #129, #129A #129, #129A BP NON-CONSENT		80.00	Tract 46 WORKING INTEREST Williams Production Co. LLC BP America Production Co. Sacramento Municipal Utility District ROYALTY ORRI	23.0000000% 50.0000000% 27.0000000%	20.1250000% 43.7500000% 23.6250000% 12.5000000% 0.0000000%	0.343809%
E-346-30	T32N R6W Sec 36: W/2 #152, #152A, #152B #152A BP NON-CONSENT		320.00	Tract 47 WORKING INTEREST Williams Production Co. LLC Sacramento Municipal Utility District ROYALTY ORRI	73.0000000% 27.0000000%	63.8750000% 23.6250000% 12.5000000% 0.0000000%	1.375235%
E-346-33	T32N R6W Sec 36: E/2 #34, #34A, #34B, #34C #34A BP NON-CONSENT		320.00	Tract 48 WORKING INTEREST Williams Production Co. LLC ROYALTY ORRI	100.0000000%	65.6250000% 12.5000000% 21.8750000%	1.375235%
		167.47	23268.75		100.0000000%	100.0000000%	100.0000000%

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XXVII
TWENTY-SIXTH PARTICIPATING AREA FOR THE MESAVERDE FORMATION
ROSA UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Areas

Township 31 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 17, 18, 19, 20, 28, 29, 30, 31, 32, 33 ALL

Section 21: W/2

Section 27: S/2

Section 34: W/2, SE/4, N/2NE/4, SE/4NE/4

Township 31 North, Range 6 West, N.M.P.M.

Sections 1, *2, *3, *4, 5, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24, 25, 26: ALL

Township 32 North, Range 6 West, N.M.P.M.

Sections 32, *33, *34, 35, 36: ALL

Total number of acres in Participating Area: 23,436.22

Total number of acres not committed to Participating Area: 167.47

Total number of acres committed to Participating Area: 23,268.75

*Portions of this acreage not committed to unit.

Effective September 1, 2001