

PHILLIPS PETROLEUM COMPANY

SCHEDULE IV

THE 003 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION

SAN JUAN 30-5 UNIT AREA

DATE 12/29/84

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331	SEC. 31 N/2	320.00		TRACT: 001			16.6667
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
SF-078740	TRACT: 005	860.00					50.005730
	SEC. 19 W/2				5.000000	5.000000	
	SEC. 30 ALL				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #201 SAN JUAN 30-5 UNIT #209 SAN JUAN 30-5 UNIT #210							
SF-078997	TRACT: 007	40.00					2.083572
	SEC. 6 SE/4 SW/4				5.000000	5.000000	
	ORRI:				12.500000	12.500000	
	ROYALTY:				67.650000	67.650000	
	WORKING INTEREST:				14.850000	14.850000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.						
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #203							

PHILLIPS PETROLEUM COMPANY

DATE 12/29/84

SCHEDULE IV
THE 003 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080066	130N RSW	279.78		TRACT: 011			14.573544
SEC. 6	LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4		ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY		5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT # 203							
NM-012335	130N RSW	320.00		TRACT: 012			16.666577
SEC. 31	S/2		ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY		5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT # 211 SAN JUAN 30-5 UNIT # 212							
	TOTAL	1919.78					100.000000

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE IV
THE 003 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA
RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 19 : W/2
SECTION 30 : ALL
SECTION 31 : ALL

TOTAL ACRES COMMITTED:

1919.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

1919.78

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE V
THE 004 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331	T30N R5W SEC. 31 N/2	320.00		TRACT: 001			12.501074
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
SF-078740	T30N R5W SEC. 18 W/2 SEC. 30 ALL	960.00		TRACT: 005			37.503223
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #201 SAN JUAN 30-5 UNIT #209 SAN JUAN 30-5 UNIT #210							
SF-078994	T30N R5W SEC. 18 W/2	320.00		TRACT: 006			12.501074
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #207							

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PHILLIPS PETROLEUM COMPANY
SCHEDULE V
THE 004 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078987		240.00		TRACT: 007			9.375806
SEC. 6	SE 1/4 SW 1/4		ORRI:		5.000000	5.000000	
SEC. 7	NW 1/4, NW 1/4 SW 1/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #203 SAN JUAN 30-5 UNIT #205						
SF-080066		279.78		TRACT: 011			10.829846
SEC. 6	LOTS 10, 11, S/2 NW 1/4, SW 1/4 SW 1/4, N/2 SW 1/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #203						
NM-012335		320.00		TRACT: 012			12.501074
SEC. 31	S/2		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212						

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PHILLIPS PETROLEUM COMPANY

THE 004 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30--5 UNIT AREA

WORKING INTEREST:
WILLIAMS PRODUCTION COMPANY

TOTAL

100.000000

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE V
THE 004 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

MO ARriba COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 7 : W/2
SECTION 18 : W/2
SECTION 19 : W/2
SECTION 30 : ALL
SECTION 31 : ALL

TOTAL ACRES COMMITTED:

2559.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

2559.78

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE VI
THE 005 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331		320.00		TRACT: 001			11.11980
SEC. 31	N/2						
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS - SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212						
SF-078739		160.00		TRACT: 004			5.555880
SEC. 21	SW/4						
	ORRI:				3.000000	3.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS - SAN JUAN PARTNERS, L.P.				69.290000	69.290000	
	WILLIAMS PRODUCTION COMPANY				15.210000	15.210000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #217						
SF-078740		960.00		TRACT: 005			33.335880
SEC. 19	W/2						
SEC. 30	ALL						
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS - SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #201 SAN JUAN 30-5 UNIT #209 SAN JUAN 30-5 UNIT #210						

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PHILLIPS PETROLEUM COMPANY
SCHEDULE VI
THE 005 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078994	T30N R5W SEC. 18 W/2	320.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 006	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	11.11960
	TOTAL				100.000000	100.000000	
SF-078997	T30N R5W SEC. 6 SE/4 SW/4 SEC. 7 NW/4, NW/4 SW/4	240.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 007	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	8.333970
	TOTAL				100.000000	100.000000	
SF-080066	T30N R5W SEC. 6 LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4	279.78	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 011	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	9.715325
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #203
SAN JUAN 30-5 UNIT #205

REMARKS: SAN JUAN 30-5 UNIT #207

REMARKS: SAN JUAN 30-5 UNIT #203

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE VI
THE 005 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012335	T30N R5W SEC. 31 S/2	320.00		TRACT: 012			11.111860
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS - SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212						
FEE	T30N R5W SEC. 7 S/2 SW/4, NE/4 SW/4	120.00		TRACT: 018			4.166865
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				87.500000	87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #205						
FEE	T30N R5W SEC. 21 NW/4	160.00		TRACT: 022			5.555980
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				87.500000	87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #217						
TOTAL		2879.78					100.000000

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DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE VI
THE 005 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 7 : W/2
SECTION 18 : W/2
SECTION 19 : W/2
SECTION 21 : W/2
SECTION 30 : ALL
SECTION 31 : ALL

TOTAL ACRES COMMITTED:

2879.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

2879.78

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE VII
THE 006 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331		320.00		TRACT: 001			9.091477
SEC. 31	N/2						
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #211
SAN JUAN 30-5 UNIT #212

SF-078739		160.00		TRACT: 004			4.545739
SEC. 21	SW/4						
	ORRI:				3.000000	3.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				69.290000	69.290000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				15.210000	15.210000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #217

SF-078740		1280.00		TRACT: 005			36.365909
SEC. 19	ALL				5.000000	5.000000	
SEC. 30	ALL				12.500000	12.500000	
	ORRI:						
	ROYALTY:				67.650000	67.650000	
	WORKING INTEREST:				14.850000	14.850000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.						
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #201
SAN JUAN 30-5 UNIT #208
SAN JUAN 30-5 UNIT #209
SAN JUAN 30-5 UNIT #210

EFFECTIVE 9/1/01/01

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE VI
THE 006 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078994	SEC. 18 W/2	320.00		TRACT: 006			9.091477
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT # 207						
SF-078997	SEC. 6 SE/4 SW/4	240.00		TRACT: 007			6.818608
	SEC. 7 NW/4, NW/4 SW/4				5.000000	5.000000	
	ORRI:				12.500000	12.500000	
	ROYALTY:						
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT # 203 SAN JUAN 30-5 UNIT # 205						
SF-080066	SEC. 6 LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4	279.78		TRACT: 011			7.948792
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT # 203						

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PHILLIPS PETROLEUM COMPANY
SCHEDULE VII
THE 006 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012335	T30N R5W SEC. 31 S/2	320.00		TRACT: 012			9.091477
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
E-347-40	T30N R5W SEC. 16 N/2 NW/4	80.00		TRACT: 017A			2.272870
	ORRI:				2.000000	2.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	TEXACO EXPLORATION & PRODUCTION INC.				70.110000	70.110000	
	WILLIAMS PRODUCTION COMPANY				15.390000	15.390000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219							
E-347-41	T30N R5W SEC. 16 S/2 NW/4	80.00		TRACT: 017D			2.272869
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				82.500000	82.500000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219							

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PHILLIPS PETROLEUM COMPANY
SCHEDULE VI
THE 006 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-347-38		160.00		TRACT: 017F			4.545739
SEC. 16	SW/4						
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				82.500000	82.500000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT # 219

FEE	T30N R5W	120.00	TRACT: 019				3.408304
SEC. 7	S/2 SW/4, NE/4 SW/4						
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				87.500000	87.500000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT # 205

FEE	T30N R5W	160.00	TRACT: 022				4.545739
SEC. 21	NW/4						
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				87.500000	87.500000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT # 217

TOTAL 3519.78 100.000000

DATE 12/29/04

PHILLIPS PETROLEUM COMPANY
SCHEDULE VI
THE 006 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

RIO ARriba COUNTY, NEW MEXICO

TOWNSHIP 30 NORTH, RANGE 5 WEST

SECTION 8 : W/2

SECTION 7 : W/2

SECTION 16 : W/2

SECTION 18 : W/2

SECTION 19 : ALL

SECTION 21 : W/2

SECTION 30 : ALL

SECTION 31 : ALL

TOTAL ACRES COMMITTED:

3519.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

3519.78

DATE 12/28/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE VIII
THE 007 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331		320.00		TRACT: 001			6.666972
SEC. 31	N/2						
			ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
SF-078739		720.00		TRACT: 004			15.000688
SEC. 21	E/2, SW/4		ORRI:		3.000000	3.000000	
SEC. 28	W/2 E/2, E/2 SE/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		69.290000	69.290000	
			WILLIAMS PRODUCTION COMPANY		15.210000	15.210000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #217 SAN JUAN 30-5 UNIT #227 SAN JUAN 30-5 UNIT #229							
SF-078740		1600.00		TRACT: 005			33.334861
SEC. 19	ALL		ORRI:		5.000000	5.000000	
SEC. 29	W/2		ROYALTY:		12.500000	12.500000	
SEC. 30	ALL		WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #201 SAN JUAN 30-5 UNIT #208 SAN JUAN 30-5 UNIT #209 SAN JUAN 30-5 UNIT #210 SAN JUAN 30-5 UNIT #226							

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PHILLIPS PETROLEUM COMPANY
SCHEDULE VII
THE 007 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078994	T30N R5W SEC. 18 W/2	320.00		TRACT: 008			6.666972
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #207						
SF-078997	T30N R5W SEC. 6 SE/4 SW/4 SEC. 7 NW/4, NW/4 SW/4	240.00		TRACT: 007			5.000229
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #203 SAN JUAN 30-5 UNIT #205						
SF-080066	T30N R5W SEC. 6 LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4	279.78		TRACT: 011			5.829017
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #203						

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PHILLIPS PETROLEUM COMPANY
SCHEDULE VII
THE 007 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012335		320.00		TRACT: 0172			6.666972
SEC. 31	S/2						
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS - SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
E-347-40		80.00		TRACT: 017A			1.666743
SEC. 16	N/2 NW/4						
	ORRI:				2.000000	2.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	TEXACO EXPLORATION & PRODUCTION INC.				70.110000	70.110000	
	WILLIAMS PRODUCTION COMPANY				15.390000	15.390000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219							
E-347-41		80.00		TRACT: 017D			1.666743
SEC. 16	S/2 NW/4						
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				82.500000	82.500000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219							

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE VII
THE 007 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-347-38	T30N R5W SEC. 16 SW/4	160.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS - SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 017F	5.000000 12.500000 87.850000 82.500000	5.000000 12.500000 67.650000 82.500000	3.333486
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #219						
FEE	T30N R5W SEC. 7 S/2 SW/4, NE/4 SW/4	120.00	ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY	TRACT: 019	0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	2.500115
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #205						
FEE	T30N R5W SEC. 17 NE/4	160.00	ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY	TRACT: 020	0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	3.333486
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #218						

DATE 12/29/04

PHILLIPS PETROLEUM COMPANY
SCHEDULE VII
THE 007 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SEC. 17	SE/4	160.00		TRACT: 021			3.333486
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #218

SEC. 21	NW/4	160.00		TRACT: 022			3.333486
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #217

SEC. 28	E/2 NE/4	80.00		TRACT: 023A			1.666744
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #227

TOTAL 4799.78

100.000000

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE VIII
THE 007 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 7 : W/2
SECTION 16 : W/2
SECTION 17 : E/2
SECTION 18 : W/2
SECTION 19 : ALL
SECTION 21 : ALL
SECTION 28 : E/2
SECTION 29 : W/2
SECTION 30 : ALL
SECTION 31 : ALL

TOTAL ACRES COMMITTED:

4799.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

4799.78

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE IX
THE 008 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331		320.00		TRACT: 001			5.882591
SEC. 31	N/2						
			ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #211
SAN JUAN 30-5 UNIT #212

SF-078739		720.00		TRACT: 004			13.235830
SEC. 21	E/2, SW/4		ORRI:		3.000000	3.000000	
SEC. 28	W/2 E/2, E/2 SE/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		69.290000	69.290000	
			WILLIAMS PRODUCTION COMPANY		15.210000	15.210000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #217
SAN JUAN 30-5 UNIT #227
SAN JUAN 30-5 UNIT #229

SF-078740		1600.00		TRACT: 005			29.412954
SEC. 19	ALL		ORRI:		5.000000	5.000000	
SEC. 29	W/2		ROYALTY:		12.500000	12.500000	
SEC. 30	ALL		WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #201
SAN JUAN 30-5 UNIT #208
SAN JUAN 30-5 UNIT #209
SAN JUAN 30-5 UNIT #210
SAN JUAN 30-5 UNIT #226

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE IX
THE 008 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078994		880.00		TRACT: 006			16.177125
SEC. 17	SW/4, S/2 NW/4		ORRI:		5.000000	5.000000	
SEC. 18	ALL		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #206 SAN JUAN 30-5 UNIT #207 SAN JUAN 30-5 UNIT #224						
SF-078997		240.00		TRACT: 007			4.411943
SEC. 6	SE/4 SW/4		ORRI:		5.000000	5.000000	
SEC. 7	NW/4, NW/4 SW/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #203 SAN JUAN 30-5 UNIT #205						
SF-080068		278.78		TRACT: 011			5.143223
SEC. 6	LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #203						

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PHILLIPS PETROLEUM COMPANY
SCHEDULE IX
THE 008 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012335	T30N R5W SEC. 31 S/2	320.00		TRACT: 012			5.882591
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS - SAN JUAN PARTNERS, L.P.				87.850000	87.850000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
E-347-40	T30N R5W SEC. 16 N/2 NW/4	80.00		TRACT: 017A			1.470848
	ORRI:				2.000000	2.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	TEXACO EXPLORATION & PRODUCTION INC.				70.110000	70.110000	
	WILLIAMS PRODUCTION COMPANY				15.390000	15.390000	
	TOTAL				100.000000	100.000000	
E-347-41	T30N R5W SEC. 16 S/2 NW/4	80.00		TRACT: 017D			1.470848
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				82.500000	82.500000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #219

REMARKS: SAN JUAN 30-5 UNIT #219

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE IX
THE 008 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-347-38	SEC. 16 SW/4	160.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 017F	5.000000 12.500000 67.650000 82.500000	5.000000 12.500000 67.650000 82.500000	2.941295
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #219						
FEE	T30N R5W	120.00		TRACT: 019			2.205972
	SEC. 7 S/2 SW/4, NE/4 SW/4		ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #205						
FEE	T30N R5W	160.00		TRACT: 020			2.941295
	SEC. 17 NE/4		ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #218						

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
 SCHEDULE IX
 THE 008 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
 SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE							
SEC. 17	SE/4	160.00		TRACT: 021			2.941295
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #218						
FEE							
SEC. 21	NW/4	160.00		TRACT: 022			2.941285
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #217						
FEE							
SEC. 28	E/2 NE/4	80.00		TRACT: 023A			1.470848
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #227						

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
 SCHEDULE IX
 THE 008 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
 SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	T30N R5W	76.00		TRACT: 025			1.397115
SEC. 17	N/2 NW/4 (EXCEPT 4 ACRES OUT OF NW/4 NW/4)		ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 71.750000 15.750000	0.000000 12.500000 71.750000 15.750000	
TOTAL					100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #224

FEE	T30N R5W	4.00		TRACT: 025A			0.073532
SEC. 17	A TRACT OF LAND 1200' LONG BY 450' WIDE, CONTAINING 4 ACRES, MORE OR LESS, LYING IN THE NW/4		ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 71.750000 15.750000	0.000000 12.500000 71.750000 15.750000	
TOTAL					100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #224

TOTAL 5439.78

100.000000

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE IX
THE 008 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA
RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

RIO ARIBA COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 7 : W/2
SECTION 16 : W/2
SECTION 17 : ALL
SECTION 18 : ALL
SECTION 19 : ALL
SECTION 21 : ALL
SECTION 28 : E/2
SECTION 29 : W/2
SECTION 30 : ALL
SECTION 31 : ALL

TOTAL ACRES COMMITTED:

5439.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

5439.78

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE X
THE 009 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078984		880.00		TRACT: 006			14.474208
SEC. 17	SW/4, S/2 NW/4		ORRI:		5.000000	5.000000	
SEC. 18	ALL		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #206 SAN JUAN 30-5 UNIT #207 SAN JUAN 30-5 UNIT #224							
SF-078987		520.00		TRACT: 007			8.552841
SEC. 6	SE/4 SW/4		ORRI:		5.000000	5.000000	
SEC. 7	NW/4, NW/4 SW/4, NE/4, N/2 SE/4, SE/4 SE/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #203 SAN JUAN 30-5 UNIT #204 SAN JUAN 30-5 UNIT #205							
SF-080066		279.78		TRACT: 011			4.601811
SEC. 6	LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #203							

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PHILLIPS PETROLEUM COMPANY
SCHEDULE X
THE 009 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012335	130N R5W S/2	320.00		TRACT: 012			5.263349
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
E-347-40	130N R5W SEC. 16 N/2 NW/4	80.00		TRACT: 017A			1.315837
	ORRI:				2.000000	2.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				70.110000	70.110000	
	TEXACO EXPLORATION & PRODUCTION INC.				15.390000	15.390000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219							
E-347-36	130N R5W SEC. 32 NW/4	160.00		TRACT: 017B			2.631674
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				14.850000	14.850000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #231							

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE X
THE 009 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-347-41	T30N R5W SEC. 16 S/2 NW/4	80.00		TRACT: 017D			1.315837
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				82.500000	82.500000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #219

E-347-38	T30N R5W SEC. 16 SW/4 SEC. 32 SW/4	320.00		TRACT: 017F			5.263348
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				82.500000	82.500000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #219
SAN JUAN 30-5 UNIT #231

FEE	T30N R5W SEC. 7 S/2 SW/4, NE/4 SW/4, SW/4 SE/4	160.00		TRACT: 019			2.631674
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				87.500000	87.500000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #205
SAN JUAN 30-5 UNIT #204

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE X
THE 009 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	T30N R5W SEC. 17 NE/4	160.00		TRACT: 020			2.631674
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #218						
FEE	T30N R5W SEC. 17 SE/4	160.00		TRACT: 021			2.631674
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #218						
FEE	T30N R5W SEC. 21 NW/4	160.00		TRACT: 022			2.631674
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #217						

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE X
THE 009 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	130N R5W E/2 NE/4	80.00		TRACT: 023A			1.319837
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				87.500000	87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #227						
FEE	130N R5W N/2 NW/4	76.00		TRACT: 025			1.250045
	(EXCEPT 4 ACRES OUT OF NW/4 NW/4)						
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				71.750000	71.750000	
	WILLIAMS PRODUCTION COMPANY				15.750000	15.750000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #224						
FEE	130N R5W	4.00		TRACT: 025A			0.065792
	SEC. 17						
	A TRACT OF LAND 1200' LONG BY 450' WIDE, CONTAINING 4 ACRES, MORE OR LESS, LYING IN THE NW/4				0.000000	0.000000	
	ORRI:				12.500000	12.500000	
	ROYALTY:						
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				71.750000	71.750000	
	WILLIAMS PRODUCTION COMPANY				15.750000	15.750000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #224						
	TOTAL				6079.76		100.000000

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE X
THE 009 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

PIO ARRIBA COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 7 : ALL
SECTION 16 : W/2
SECTION 17 : ALL
SECTION 18 : ALL
SECTION 19 : ALL
SECTION 21 : ALL
SECTION 28 : E/2
SECTION 29 : W/2
SECTION 30 : ALL
SECTION 31 : ALL
SECTION 32 : W/2

TOTAL ACRES COMMITTED:

6079.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

6079.78

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE XI
THE 010 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331		320.00		TRACT: 001			5.000172
SEC. 31	N/2						
			ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
SF-078739		720.00		TRACT: 004			11.250387
SEC. 21	E/2, SW/4		ORRI:		3.000000	3.000000	
SEC. 26	W/2 E/2, E/2 SE/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		69.290000	69.290000	
			WILLIAMS PRODUCTION COMPANY		15.210000	15.210000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #217 SAN JUAN 30-5 UNIT #227 SAN JUAN 30-5 UNIT #229							
SF-078740		1600.00		TRACT: 005			25.000859
SEC. 19	ALL		ORRI:		5.000000	5.000000	
SEC. 29	W/2		ROYALTY:		12.500000	12.500000	
SEC. 30	ALL		WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #201 SAN JUAN 30-5 UNIT #208 SAN JUAN 30-5 UNIT #209 SAN JUAN 30-5 UNIT #210 SAN JUAN 30-5 UNIT #226							

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE XI
THE 010 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF - 078994		880.00		TRACT: 008			13.750472
SEC. 17	SW/4, S/2 NW/4		ORRI:		5.000000	5.000000	
SEC. 18	ALL		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:		67.650000	67.650000	
			PHILLIPS - SAN JUAN PARTNERS, L.P.		14.850000	14.850000	
			WILLIAMS PRODUCTION COMPANY				
			TOTAL		100.000000	100.000000	
							8.125279
SF - 078997		520.00		TRACT: 007			
SEC. 6	SE/4 SW/4		ORRI:		5.000000	5.000000	
SEC. 7	NW/4, NW/4 SW/4, NE/4, N/2 SE/4, SE/4 SE/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:		67.650000	67.650000	
			PHILLIPS - SAN JUAN PARTNERS, L.P.		14.850000	14.850000	
			WILLIAMS PRODUCTION COMPANY				
			TOTAL		100.000000	100.000000	
							4.371713
SF - 080066		278.78		TRACT: 011			
SEC. 6	LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:		67.650000	67.650000	
			PHILLIPS - SAN JUAN PARTNERS, L.P.		14.850000	14.850000	
			WILLIAMS PRODUCTION COMPANY				
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT # 203

REMARKS: SAN JUAN 30-5 UNIT # 203
SAN JUAN 30-5 UNIT # 204
SAN JUAN 30-5 UNIT # 205REMARKS: SAN JUAN 30-5 UNIT # 206
SAN JUAN 30-5 UNIT # 207
SAN JUAN 30-5 UNIT # 224

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE XI
THE 010 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-347-37	T30N R5W SEC. 32 NE/4	164.00		TRACT: 017C			2.500086
	ORRI:				2.000000	2.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				70.110000	70.110000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				15.390000	15.390000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #230							
E-347-41	T30N R5W SEC. 16 S/2 NW/4	80.00		TRACT: 017D			1.250043
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				82.500000	82.500000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219							
E-347-38	T30N R5W SEC. 16 SW/4 SEC. 32 S/2	480.00		TRACT: 017F			7.500258
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.650000	67.650000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				82.500000	82.500000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219 SAN JUAN 30-5 UNIT #230 SAN JUAN 30-5 UNIT #231							

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE XI
THE 010 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	T30N R5W	160.00		TRACT: 019			2.500086
	SEC. 7 S/2 SW/4, NE/4 SW/4, SW/4 SE/4		ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #205 SAN JUAN 30-5 UNIT #204						
FEE	T30N R5W	160.00		TRACT: 020			2.500086
	SEC. 17 NE/4		ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #218						
FEE	T30N R5W	160.00		TRACT: 021			2.500086
	SEC. 17 SE/4		ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #218						

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PHILLIPS PETROLEUM COMPANY
SCHEDULE XI
THE 010 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	T30N R5W NW/4	160.00		TRACT: 022			2.500088
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				87.500000	87.500000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #217						
FEE	T30N R5W	80.00		TRACT: 023A			1.250043
	SEC. 28 E/2 NE/4				0.000000	0.000000	
	ORRI:				12.500000	12.500000	
	ROYALTY:						
	WORKING INTEREST:				87.500000	87.500000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #227						
FEE	T30N R5W	76.00		TRACT: 025			1.187541
	SEC. 17 N/2 NW/4				0.000000	0.000000	
	(EXCEPT 4 ACRES OUT OF				12.500000	12.500000	
	NW/4 NW/4)						
	ORRI:				71.750000	71.750000	
	ROYALTY:				15.750000	15.750000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.						
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #224						

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DATE 12/29/04

PHILLIPS PETROLEUM COMPANY
SCHEDULE XI
THE 010 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
130N RSW	SEC. 17 A TRACT OF LAND 1200' LONG BY 450' WIDE, CONTAINING 4 ACRES, MORE OR LESS, LYING IN THE NW/4	4.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 025A	0.000000 12.500000 71.750000 15.750000	0.000000 12.500000 71.750000 15.750000	0.062502
FEE	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #224

TOTAL 6399.78

100.000000

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE XI
THE 010 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA
RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 7 : ALL
SECTION 16 : W/2
SECTION 17 : ALL
SECTION 18 : ALL
SECTION 19 : ALL
SECTION 21 : ALL
SECTION 28 : E/2
SECTION 29 : W/2
SECTION 30 : ALL
SECTION 31 : ALL
SECTION 32 : ALL

TOTAL ACRES COMMITTED:

6399.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

6399.78

DATE 12/28/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE XII
THE 011 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012331		320.00		TRACT: 001			4.762061
SEC. 31	N/2						
			ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
							3.571546
SF-078736							
SEC. 27	SW/4, E/2 NW/4	240.00		TRACT: 003			
			ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
							10.714637
SF-078739							
SEC. 21	E/2, SW/4	720.00		TRACT: 004			
SEC. 28	W/2 E/2, E/2 SE/4						
			ORRI:		3.000000	3.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		69.290000	69.290000	
			WILLIAMS PRODUCTION COMPANY		15.210000	15.210000	
			TOTAL		100.000000	100.000000	
							10.714637
REMARKS:	SAN JUAN 30-5 UNIT #211						
	SAN JUAN 30-5 UNIT #212						
REMARKS:	SAN JUAN 30-5 UNIT #236						
	SAN JUAN 30-5 UNIT #227						
	SAN JUAN 30-5 UNIT #229						

DATE 12/28/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE XII
THE 011 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078740	T30N R5W	1600.00		TRACT: 005			23.810303
SEC. 19	ALL		ORRI:		5.000000	5.000000	
SEC. 29	W/2		ROYALTY:		12.500000	12.500000	
SEC. 30	ALL		WORKING INTEREST:				
			PHILLIPS - SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #201 SAN JUAN 30-5 UNIT #208 SAN JUAN 30-5 UNIT #209 SAN JUAN 30-5 UNIT #210 SAN JUAN 30-5 UNIT #226						
SF-078994	T30N R5W	880.00		TRACT: 006			13.085687
SEC. 17	SW/4, S/2 NW/4		ORRI:		5.000000	5.000000	
SEC. 18	ALL		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS - SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #206 SAN JUAN 30-5 UNIT #207 SAN JUAN 30-5 UNIT #224						
SF-078997	T30N R5W	520.00		TRACT: 007			7.736349
SEC. 6	SE/4 SW/4		ORRI:		5.000000	5.000000	
SEC. 7	NW/4, NW/4 SW/4, NE/4, N/2 SE/4, SE/4 SE/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS - SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #203 SAN JUAN 30-5 UNIT #204 SAN JUAN 30-5 UNIT #205						

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PHILLIPS PETROLEUM COMPANY

DATE 12/29/84

SCHEDULE XII
THE 011 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080066	T30N R5W SEC. 6 LOTS 10, 11, S/2 NW/4, SW/4 SW/4, N/2 SW/4	279.78		TRACT: 011			4.163529
			ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
							4.762061
NM-012335	T30N R5W SEC. 31 S/2	320.00		TRACT: 012			
			ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
							1.190515
E-347-40	T30N R5W SEC. 16 N/2 NW/4	80.00		TRACT: 017A			
			ORRI:		2.000000	2.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			TEXACO EXPLORATION & PRODUCTION INC.		70.110000	70.110000	
			WILLIAMS PRODUCTION COMPANY		15.390000	15.390000	
			TOTAL		100.000000	100.000000	
							1.190515
	REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212						
	REMARKS: SAN JUAN 30-5 UNIT #219						

DATE 12/29/94

PHILLIPS PETROLEUM COMPANY
SCHEDULE XII
THE 011 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-347-36	SEC. 32 NW/4	160.00		TRACT: 017B			2.381030
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				67.650000	67.650000	
	WILLIAMS PRODUCTION COMPANY				14.850000	14.850000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #231							
E-347-37	TRACT: 017C	160.00					2.381030
	SEC. 32 NE/4						
	ORRI:				2.000000	2.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				70.110000	70.110000	
	WILLIAMS PRODUCTION COMPANY				15.390000	15.390000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #230							
E-347-41	TRACT: 017D	80.00					1.190515
	SEC. 16 S/2 NW/4						
	ORRI:				5.000000	5.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	WILLIAMS PRODUCTION COMPANY				82.500000	82.500000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #219							

PHILLIPS PETROLEUM COMPANY

SCHEDULE XII

THE 011 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION

SAN JUAN 30-5 UNIT AREA

DATE 12/29/84

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-347-38	T30N R5W	480.00		TRACT: 017F			7.143091
SEC. 16	SW/4		ORRI:		5.000000	5.000000	
SEC. 32	S/2		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		82.500000	82.500000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #219 SAN JUAN 30-5 UNIT #230 SAN JUAN 30-5 UNIT #231						
FEE	T30N R5W	160.00		TRACT: 019			2.381030
SEC. 7	S/2 SW/4, NE/4 SW/4, SW/4 SE/4		ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #205 SAN JUAN 30-5 UNIT #204						
FEE	T30N R5W	160.00		TRACT: 020			2.381030
SEC. 17	NE/4		ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #218						

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE XII
THE 011 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	T30N R5W	160.00		TRACT: 021			2.381030
	SEC. 17 SE/4						
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #218

FEE	T30N R5W	160.00		TRACT: 022			2.381030
	SEC. 21 NW/4						
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #217

FEE	T30N R5W	80.00		TRACT: 023			1.180515
	SEC. 27 W/2 NW/4						
			ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #236

DATE 12/29/84

PHILLIPS PETROLEUM COMPANY
SCHEDULE XII
THE 011 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 30-5 UNIT AREA
RECAPITULATION

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

RIO ARriba COUNTY, NEW MEXICO
TOWNSHIP 30 NORTH, RANGE 5 WEST
SECTION 6 : W/2
SECTION 7 : ALL
SECTION 16 : W/2
SECTION 17 : ALL
SECTION 18 : ALL
SECTION 19 : ALL
SECTION 21 : ALL
SECTION 27 : W/2
SECTION 28 : E/2
SECTION 29 : W/2
SECTION 30 : ALL
SECTION 31 : ALL
SECTION 32 : ALL

TOTAL ACRES COMMITTED:

6719.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

6719.78



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

October 21, 1994

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Commissioner Of Public Lands
Attn: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico
Oil Conservation Division
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Re: San Juan 30-5 Unit
#14-08-001-346
Commerciality Determination
Fruitland Formation
Rio Arriba County, NM
GF-5397

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, Phillips Petroleum Company ("Phillips"), as Operator, determined whether or not the wells listed below are capable of producing unitized substances in paying quantities from the Fruitland coal member of the Fruitland formation.

Phillips is seeking confirmation of the enclosed paying well determinations as listed hereinbelow. The remaining wells [listed below as "NS" {not submitted} under column (5) below] are mentioned for reference only and Phillips is neither confirming nor denying the paying well status of such wells at this time. As adequate production history from these wells is received, additional submittals will be provided using this format.

This alternative approach has been acknowledged by the Branch of Reservoir Management at the Farmington District Office of the Bureau of Land Management as acceptable to facilitate individual well commerciality determinations that are ordinarily filed in order of "date of test" during completion operations.

Upon receipt of response from the BLM and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the formal Participating Area application with accompanying Lease Schedules with unit tract descriptions and working interest ownerships for each well will be prepared for each expansion of the Participating Area based on those wells confirmed for inclusion therewith.

San Juan 30-5 Unit
#14-08-001-346
Commerciality Determination
October 21, 1994
Page 2

(1)	(2)	(3)	(4)	(5)	(6)*
<u>Test Date</u>	<u>Well Number</u>	<u>T30N-R5W Drill Block</u>	<u>Acres</u>	<u>Date Submitted for Paying Well Determination</u>	<u>Disposition</u>
01-13-90	202	Lot 8, 9, S/2 NE/4, SE/4 Section 6	320.00	12-18-91	Drill Blk Well
01-31-90	201	W/2 Section 19	320.00	12-20-91	Initial PA
05-16-90	209	E/2 Section 30	320.00	12-20-91	1st Expansion
06-20-90	203	Lots 10,11,S/2 NW/4, SW/4 Sec. 6	319.78	12-20-91	2nd Expansion
07-04-90	211	E/2 Section 31	320.00	08-23-93	Paying Well-A
07-21-90	212	W/2 Section 31	320.00	08-23-93	Paying Well-A
08-05-90	205	W/2 Section 7	320.00	10-21-94	Paying Well
09-19-90	217	W/2 Section 21	320.00	08-23-93	Paying Well-A
10-02-90	213	Lots 5,6,S/2 NE/4, SE/4 Section 5	319.69	10-21-94	Non-PA
12-02-90	208	E/2 Section 19	320.00	08-23-93	Paying Well-A
12-13-90	216	W/2 Section 20	NA	NA	Press Obs Well
12-20-90	219	W/2 Section 16	320.00	10-21-94	Paying Well
01-04-91	226	W/2 Section 29	320.00	08-23-93	Paying Well-A
01-11-91	215	E/2 Section 8	320.00	10-21-94	Non-PA
01-16-91	210	W/2 Section 30	320.00	08-23-93	Paying Well-A
01-17-91	227	E/2 Section 28	320.00	08-23-93	Paying Well-A
01-21-91	218	E/2 Section 17	320.00	10-21-94	Paying Well
01-29-91	229	E/2 Section 21	320.00	08-23-93	Paying Well-A
02-21-91	224	W/2 Section 17	320.00	08-23-93	Paying Well-A
03-05-91	206	E/2 Section 18	320.00	08-23-93	Paying Well-A
09-01-91	204	E/2 Section 7	320.00	10-21-94	Paying Well
09-13-91	207	W/2 Section 18	320.00	08-23-93	Paying Well-A
09-25-91	231	W/2 Section 32	320.00	10-21-94	Paying Well
10-01-91	230	E/2 Section 32	320.00	08-23-93	Paying Well-A
01-31-92	236	W/2 Section 27	320.00	10-21-94	Paying Well
02-11-92	225	E/2 Section 29	320.00	10-21-94	Paying Well
08-11-92	237	E/2 Section 16	320.00	10-21-94	Non-PA

San Juan 30-5 Unit
 #14-08-001-346
 Commerciality Determination
 October 21, 1994
 Page 3

(1)	(2)	(3)	(4)	(5)	(6)*
<u>Test Date</u>	<u>Well Number</u>	<u>T30N-R5W Drill Block</u>	<u>Acres</u>	<u>Date Submitted for Paying Well Determination</u>	<u>Disposition</u>
08-16-92	240	E/2 Section 22	320.00	10-21-94	Paying Well
08-24-92	241	W/2 Section 23	320.00	10-21-94	Paying Well
08-29-92	235	E/2 Section 27	320.00	NS	
09-09-92	234	W/2 Section 22	320.00	10-21-94	Paying Well-IDB
09-09-92	238	E/2 Section 34	320.00	10-21-94	Paying Well
09-25-92	228	W/2 Section 28	320.00	10-21-94	Paying Well-IDB
10-06-92	223	E/2 Section 20	320.00	08-23-93	Paying Well
10-29-92	242	W/2 Section 34	320.00	10-21-94	Paying Well
11-05-92	232	E/2 Section 33	320.00	10-21-94	Non-PA
11-13-92	233	W/2 Section 33	320.00	10-21-94	Paying Well
09-19-93	246	W/2 Section 26	320.00	NS	
09-29-93	247	E/2 Section 26	320.00	10-21-94	Non-PA
10-16-93	239	W/2 Section 15	320.00	10-21-94	Paying Well
10-26-93	248	W/2 Section 35	320.00	10-21-94	Non-PA
12-12-93	216R	W/2 Section 20	320.00	10-21-94	Paying Well

*Wells previously confirmed by the regulatory agencies as wells capable of production in paying quantities are labeled "Paying Well-A". Wells submitted herewith that are determined to be capable of production in paying quantities are labeled Paying Well. Wells submitted herewith that are determined not to be capable of production in paying quantities are labeled "Non-PA". Well 216 has been redrilled. The well is being utilized as a pressure observation well and is labeled above as "Press Obs Well". Wells which are IDB wells are labeled above as "Paying Well-IDB".

Copies of this submittal with enclosures are being sent to the working interest owners on the attached sheet.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

Patrick H. Noah

Patrick H. Noah
 Area Landman
 San Juan Basin
 (505) 599-3410

San Juan 30-5 Unit
#14-08-001-346
Commerciality Determination
October 21, 1994
Page 4

w/o attachments
cc: J. W. Taylor
K. L. Czirr
J. L. Mathis
w/attachments
SJ 30-5 Unit Owners

**SAN JUAN 30-5 UNIT
WORKING INTEREST OWNERS**

Amoco Production Company

Araphoe Drilling

Evelyn G. Brown

Jay I. Cohen, Trustee
Abercrombie Trust

Thomas A. and Mary E. Dugan

Langdon D. Harrison

Kerr-McGee Corporation

Mar Oil & Gas Corporation

Meridian Oil Production Inc.

H. O. & T. K. Pool Trust

Sunwest Bk of Albuquerque
Agent for Kathleen Quinn

Max B. Rotholz

Texaco Exploration & Production Inc.

Robert Tinnin

Valero Coal Company

Williams Production Company

Ruth Zimmerman Trust



August 23, 1993

Upon receipt of response from the BLM and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the formal Participating Area application with accompanying Lease Schedules with unit tract descriptions and working interest ownerships for each well will be prepared for each expansion of the Participating Area based on those wells confirmed for inclusion therewith.

San Juan 30-5 Unit
 #14-08-001-346
 Commerciality Determination
 August 23, 1993
 Page 2

(1)	(2)	(3)	(4)	(5)	(6)*
<u>Test Date</u>	<u>Well Number</u>	<u>T30N-R5W Drill Block</u>	<u>Acres</u>	<u>Date Submitted for Paying Well Determination</u>	<u>Disposition</u>
01-13-90	202	Lot 8, 9, S/2 NE/4, SE/4 Section 6	320.00	12-18-91	Drill Blk Well
01-31-90	201	W/2 Section 19	320.00	12-20-91	Initial PA
05-16-90	209	E/2 Section 30	320.00	12-20-91	1st Expansion
06-20-90	203	Lots 10,11,S/2 NW/4, SW/4 Sec. 6	319.78	12-20-91	2nd Expansion
07-04-90	211	E/2 Section 31	320.00	08-23-93	Paying Well
07-21-90	212	W/2 Section 31	320.00	08-23-93	Paying Well
08-05-90	205	W/2 Section 7	320.00	NS	
09-19-90	217	W/2 Section 21	320.00	08-23-93	Paying Well
10-02-90	213	Lots 5,6,S/2 NE/4, SE/4 Section 5	319.69	NS	
12-02-90	208	E/2 Section 19	320.00	08-23-93	Paying Well
12-13-90	216	W/2 Section 20	320.00	NS	
12-20-90	219	W/2 Section 16	320.00	NS	
01-04-91	226	W/2 Section 29	320.00	08-23-93	Paying Well
01-11-91	215	E/2 Section 8	320.00	NS	
01-16-91	210	W/2 Section 30	320.00	08-23-93	Paying Well
01-17-91	227	E/2 Section 28	320.00	08-23-93	Paying Well
01-21-91	218	E/2 Section 17	320.00	NS	
01-29-91	229	E/2 Section 21	320.00	08-23-93	Paying Well
02-21-91	224	W/2 Section 17	320.00	08-23-93	Paying Well
03-05-91	206	E/2 Section 18	320.00	08-23-93	Paying Well
09-01-91	204	E/2 Section 7	320.00	NS	
09-13-91	207	W/2 Section 18	320.00	08-23-93	Paying Well
09-25-91	231	W/2 Section 32	320.00	NS	
10-01-91	230	E/2 Section 32	320.00	08-23-93	Paying Well
01-31-92	236	W/2 Section 27	320.00	NS	
02-11-92	225	E/2 Section 29	320.00	NS	
08-11-92	237	E/2 Section 16	320.00	NS	

San Juan 30-5 Unit

#14-08-001-346
Commerciality Determination
August 23, 1993
Page 3


(1)	(2)	(3)	(4)	(5)	(6)*
<u>Test Date</u>	<u>Well Number</u>	<u>T30N-R5W Drill Block</u>	<u>Acres</u>	<u>Date Submitted for Paying Well Determination</u>	<u>Disposition</u>
08-16-92	240	E/2 Section 22	320.00	NS	
08-24-92	241	W/2 Section 23	320.00	NS	
08-29-92	235	E/2 Section 27	320.00	NS	
09-09-92	234	W/2 Section 22	320.00	NS	
09-09-92	238	E/2 Section 34	320.00	NS	
09-25-92	228	W/2 Section 28	320.00	NS	
10-06-92	223	E/2 Section 20	320.00	08-23-93	Paying Well
10-29-92	242	W/2 Section 34	320.00	NS	
11-05-92	232	E/2 Section 33	320.00	NS	
11-13-92	233	W/2 Section 33	320.00	NS	

*Wells that are submitted herewith and determined to be capable of production in paying quantities are listed as "Paying Well".

Copies of this submittal with enclosures are being sent to the working interest owners on the attached sheet.

Very truly yours,

PHILLIPS PETROLEUM COMPANY


A. J. Kieke, CPL
Area Landman
San Juan Basin
(505) 599-3410

w/o attachments

cc: R. G. Flesher
K. L. Czirr
D. B. Evans (r) J. L. Mathis

w/attachments

SJ 30-5 Unit Owners

San Juan 30-5 Unit Working Interest Owners
7/29/93

Amoco Production Company
Outside Operated Group
Attn: David Simpson
P. O. Box 800
Denver, CO 80201

Meridian Oil Prod. Inc.
Land Department
P. O. Box 4289
Farmington, NM 87499

Valero Coal Company
P. O. Box 500
San Antonio, TX 78292-0500
Attn: Travis Crow

Araphoe Drilling
P. O. Box 26687
Albuquerque, NM 87125

Robert Tinnin
P. O. Box 1885
Albuquerque, NM 87103

Evelyn G. Brown
c/o James Brown
14 Alpine Road
Greenwich, CT 06830

Ruth Zimmerman Trust
842 Muirlands Vista Way
LaJolla, CA 92037

Kerr-McGee Corporation
110 N. Marienfield
Suite 330
Midland, TX 79701

Sunwest Bk of Albuquerque
Agent for Kathleen Quinn
P. O. Box 26900
Albuquerque, NM 87125

H. O. & T. K. Pool Trust
c/o 1st Intrst Bk of OK
P. O. Box 25189
Oklahoma City, OK 73125

Texaco Expl. & Prod. Inc.
Joint Interest Operations
P. O. Box 46555
Denver, CO 80201-6555

Jay I. Cohen, Trustee
Abercrombie Trust
10370 Richmond, St 710
Houston, TX 77042

Thomas A. & Mary E. Dugan
P. O. Box 420
Farmington, NM 87499-0420

Langdon D. Harrison
7517 Tammoron NE
Albuquerque, NM 87109

Williams Production Co.
Attn: Mgr. Leasehold Oprs.
P. O. Box 58900
Salt Lake City, UT 84158-0900

Mar Oil & Gas Corp.
Attn: M. A. Romero
P. O. Box 5155
Santa Fe, NM 87502

Max B. Rotholz
1323 N. Fulton
Wharton, TX 77488

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #206
Fruitland Coal
E/2 Sec. 18- T30N - R5W
San Juan County, NM

Date of First Delivery: 10/07/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$271,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	9.0	16,800 Actual
1992	27.4	67,500 Actual
1993	825	26,400
1994	1051	26,400
1995	771	26,400
1996	569	26,400
1997	420	26,400
1998	347	26,400
1999	247	26,400
2000	237	26,400
2001	190	26,400
2002	159	26,400
2003	138	26,400
2004	121	26,400
2005	144	26,400

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #207
Fruitland Coal
W/2 Sec. 18- T30N - R5W
San Juan County, NM

Date of First Delivery: 01/15/92

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$242,000	
<u>Production Taxes & Royalty:</u>	20.72%	BLM 12.50
		Serverence 4.60
		Ad Valorem 3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1992	721.2	37,600 Actual
1993	852	16,000
1994	1420	16,000
1995	1136	16,000
1996	851	16,000
1997	672	16,000
1998	533	16,000
1999	401	16,000
2000	370	16,000
2001	307	16,000
2002	264	16,000
2003	233	16,000
2004	208	16,000
2005	226	16,000
2006	204	16,000

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #208
Fruitland Coal
E/2 Sec. 19- T30N - R5W
San Juan County, NM

Date of First Delivery: 03/08/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$339,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993 1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	174.1	117,500 Actual
1992	1418.6	103,600 Actual
1993	1871	24,400
1994	2760	24,400
1995	1723	24,400
1996	1077	24,400
1997	673	24,400
1998	517	24,400
1999	413	24,400
2000	296	24,400
2001	272	24,400
2002	216	24,400
2003	180	24,400
2004	153	24,400
2005	133	24,400

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #210
Fruitland Coal
W/2 Sec. 30- T30N - R5W
San Juan County, NM

Date of First Delivery: 05/30/91

Date of Commerciality Submittal: _____

Well Cost Data

Total Well Costs:	\$381,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estmiated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	60.4	35,000 Actual
1992	708.6	18,500 Actual
1993	1051	14,700
1994	1314	14,700
1995	979	14,700
1996	757	14,700
1997	601	14,700
1998	431	14,700
1999	392	14,700
2000	312	14,700
2001	258	14,700
2002	219	14,700
2003	189	14,700
2004	219	14,700
2005	195	14,700

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #211
Fruitland Coal
E/2 Sec. 31- T30N - R5W
San Juan County, NM

Date of First Delivery: 05/24/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$265,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	120.0	25,200 Actual
1992	424.4	24,700 Actual
1993	657	19,000
1994	894	19,000
1995	731	19,000
1996	524	19,000
1997	373	19,000
1998	400	19,000
1999	317	19,000
2000	264	19,000
2001	227	19,000
2002	198	19,000
2003	197	19,000
2004	179	19,000
2005	159	19,000

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #212
Fruitland Coal
W/2 Sec. 31- T30N - R5W
San Juan County, NM

Date of First Delivery: 09/17/90

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$282,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1990	5.6	14,400 Actual
1991	43.8	32,200 Actual
1992	241.1	36,900 Actual
1993	475	35,900
1994	670	35,900
1995	616	35,900
1996	406	35,900
1997	298	35,900
1998	367	35,900
1999	294	35,900
2000	249	35,900
2001	216	35,900
2002	192	35,900
2003	173	35,900
2004	157	35,900

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #217
Fruitland Coal
W/2 Sec. 21- T30N - R5W
San Juan County, NM

Date of First Delivery: 01/19/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$350,000	
<u>Production Taxes & Royalty:</u>	20.72%	BLM 12.50
		Severance 4.60
		Ad Valorem 3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	51.6	46,300 Actual
1992	43.0	45,600 Actual
1993	182	31,600
1994	195	31,600
1995	188	31,600
1996	169	31,600
1997	152	31,600
1998	144	31,600
1999	137	31,600
2000	130	31,600
2001	124	31,600
2002	118	31,600
2003	112	31,600
2004	106	31,600
2005	101	31,600

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #223
 Fruitland Coal
 E/2 Sec. 20- T30N - R5W
 San Juan County, NM

Date of First Delivery: 01/29/93

Date of Commerciality Submittal: _____

Well Cost Data

Total Well Costs:	\$338,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1993	301	18,100
1994	428	18,100
1995	421	18,100
1996	362	18,100
1997	334	18,100
1998	265	18,100
1999	246	18,100
2000	209	18,100
2001	183	18,100
2002	163	18,100
2003	147	18,100
2004	154	18,100
2005	140	18,100
2006	127	18,100
2007	115	18,100

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #224
Fruitland Coal
W/2 Sec. 17- T30N - R5W
San Juan County, NM

Date of First Delivery: 07/10/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$305,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	47.4	13,600 Actual
1992	281.9	22,400 Actual
1993	438	18,200
1994	520	18,200
1995	434	18,200
1996	375	18,200
1997	294	18,200
1998	276	18,200
1999	234	18,200
2000	206	18,200
2001	184	18,200
2002	167	18,200
2003	176	18,200
2004	161	18,200
2005	146	18,200

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #226
Fruitland Coal
W/2 Sec. 29- T30N - R5W
San Juan County, NM

Date of First Delivery: 06/18/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$284,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	74.2	39,000 Actual
1992	326.6	66,000 Actual
1993	639	20,000
1994	812	20,000
1995	762	20,000
1996	614	20,000
1997	500	20,000
1998	392	20,000
1999	377	20,000
2000	324	20,000
2001	289	20,000
2002	263	20,000
2003	242	20,000
2004	256	20,000
2005	236	20,000

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #227
Fruitland Coal
E/2 Sec. 28- T30N - R5W
San Juan County, NM

Date of First Delivery: 05/23/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$277,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	114.3	20,400 Actual
1992	213.7	40,800 Actual
1993	299	17,800
1994	378	17,800
1995	332	17,800
1996	330	17,800
1997	305	17,800
1998	316	17,800
1999	293	17,800
2000	268	17,800
2001	245	17,800
2002	226	17,800
2003	226	17,800
2004	210	17,800
2005	193	17,800

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #229
Fruitland Coal
E/2 Sec. 21- T30N - R5W
San Juan County, NM

Date of First Delivery: 05/20/91

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$292,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Severance	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1991	78.0	30,400 Actual
1992	294.8	41,300 Actual
1993	394	15,700
1994	473	15,700
1995	305	15,700
1996	274	15,700
1997	271	15,700
1998	254	15,700
1999	267	15,700
2000	250	15,700
2001	232	15,700
2002	216	15,700
2003	201	15,700
2004	201	15,700
2005	188	15,700

* Operating Expenses were not escalated for inflation.

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit #230
Fruitland Coal
E/2 Sec. 32- T30N - R5W
San Juan County, NM

Date of First Delivery: 07/21/92

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs:	\$280,000		
<u>Production Taxes & Royalty:</u>	20.72%	BLM	12.50
		Serverence	4.60
		Ad Valorem	3.62

Average Product Pricing

1993

1.09/ MCF

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MMCF)</u>	<u>* Operating Expense (\$)</u>
1992	50.7	\$26,200 Actual
1993	230	15,800
1994	424	15,800
1995	341	15,800
1996	320	15,800
1997	269	15,800
1998	260	15,800
1999	234	15,800
2000	242	15,800
2001	222	15,800
2002	203	15,800
2003	186	15,800
2004	172	15,800
2005	174	15,800
2006	161	15,800

* Operating Expenses were not escalated for inflation.



JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

October 7, 1992

Phillips Petroleum Company
5525 Hwy, 64 NBU 3004
Farmington, New Mexico 87401

Attn: Mr. A. J. Kieke

Re: San Juan 30-5 Unit Well No. 202
Notice of Completion of
Non-Commercial Fruitland Coal Well
Rio Arriba County, New Mexico

Dear Mr. Kieke:

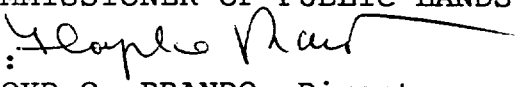
The Bureau of Land Management has advised this office that the above captioned well has been determined non-commercial and therefore not entitled to receive a participating area.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management's determination that the San Juan 30-5 Unit Well No. 202 is non-commercial in the Fruitland Coal Formation and should be produced on a lease basis. The Unit Well No. 202 is located 1815' FNL and 1085' FEL of Section 6, T. 30N., R. 5W., Rio Arriba County, New Mexico.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
JB/FOP/pm
encls.
cc: Reader File
BLM
OCD
TRD

OIL CONSERVATION DIVISION
RECEIVED

'92 OCT 1 PM 8 47

San Juan 30-5 Unit
Fruitland Coal (PA)
3183.5 (019)

SEP. 30 1992

Mr. A. J. Kieke
Phillips Petroleum Company
5525 Highway 64 NBU 3004
Farmington, NM 87401

Dear Mr. Kieke:

We have reviewed your application for a non paying well determination in the Fruitland Coal Formation of the San Juan 30-5 Unit. Your application concerns No. 202 Unit Well located in the E $\frac{1}{2}$, Section 6, T. 30 N., R. 5 W., Rio Arriba County, New Mexico. We concur with your findings that well No. 202 is incapable of producing unitized substances in paying quantities. Your application is approved as submitted. Please continue to report production from well No. 202 on a lease basis.

If you have any questions, please contact Ray Hager at (505) 599-8959.

Sincerely,

/s/ John L. Keller

John L. Keller
Chief, Branch of Mineral Resources

2 Enclosures

- 1 - Original Application
- 2 - Engineering Report

cc:

MMS, RMP, MS-3240, Denver, CO (w/ enclosure 1)
Commissioner of Public Lands, Santa Fe, NM
New Mexico Oil Conservation Division, Santa Fe, NM



JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

SLO REF NO. OG-1199

September 29, 1992

Phillips Petroleum Company
5525 HWY 64, NBU 3004
Farmington, New Mexico 87401

Attn: A.J. Kieke, CPL

Re: 1992 Plan of Development
San Juan 30-5 Unit
Rio Arriba County, New Mexico

Gentlemen:

The Commissioner of Public Lands has this date approved the above captioned Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the unit may exist. You will be contacted at a later date regarding these possibilities.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

JB/FOP/pm
cc: OCD
BLM

OIL CONSERVATION DIVISION
RECEIVED

'92 AUG 11 AM 9 19

San Juan 30-5 Unit (PA)
3180 (019)

JUL 30 1992

Mr. A. Jay Kieke
Phillips Petroleum Company
5525 Highway 64 NBU 3004
Farmington, NM 87401

Gentlemen:

On June 10, 1992 our office sent a letter to Phillips Petroleum Company approving the Initial Participating Area (PA) and First and Second Expansions for the Fruitland Coal Formation in the San Juan 30-5 Unit.

Section 11 of the San Juan 30-5 Unit Agreement states "It is hereby agreed for the purposes of this agreement that all wells completed for production in the Fruitland Formation shall be regarded as producing from a single zone or pool". Per the terms of the unit agreement, it is necessary for us to amend our approval of the Initial PA, First and Second Expansions for the Fruitland Coal Formation in the San Juan 30-5 Unit. The approval is now amended to read "The Initial PA, First and Second Expansions for the Fruitland Formation in the San Juan 30-5 Unit have been approved. The Fruitland PA has been assigned No. 891000346D."

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P.O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order (s) unless the reviewing official so determines. Procedures governing appeals from instructions, order or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions concerning this matter, please call Janice Easley at (505) 599-8963.

Sincerely,

/s/ Duane Spencer

FOR Mike Pool
Area Manager

cc:
MMS, RMP, MS-3240, Denver, CO
NMOCD, Santa Fe, NM
Commissioner of Public Lands, Santa Fe, NM

OIL CONSERVATION DIVISION
RECEIVED

'92 JUN 17 AM 9 00

San Juan 30-5 Unit (PA)
3180 (019)

JUN. 10 1992

CERTIFIED--RETURN RECEIPT REQUESTED
P-081-571-286

Mr. A. Jay Kieke
Phillips Petroleum Company
5525 Highway 64 NBU 3004
Farmington, NM 87401

RE: San Juan 30-5 Unit #14-08-001-346
Application of Initial Participation Area
Effective January 31, 1990.
Application for First Expansion
Effective June 1, 1990.
Application for Second Expansion
Effective July 1, 1990.
Fruitland Coal Formation
Rio Arriba County, NM

Gentlemen:

In response to your letter dated December 20, 1991, the Farmington Resource Area (FRA) has reviewed the data you have submitted for Initial and respective PA expansions for the Fruitland Coal Formation as referenced above. This review also included the additional geological and production data that you submitted on March 13, 1992.

Each of the wells included in the Initial Application and the two (2) Expansions were reviewed for their ability to produce in paying quantities. The three (3) wells determined to be capable of producing in paying quantities are:

1. No. 201 San Juan 30-5 Unit, W $\frac{1}{2}$ Section 19, T. 30 N., R. 5 W.
2. No. 209 San Juan 30-5 Unit, E $\frac{1}{2}$ Section 30, T. 30 N., R. 5 W.
3. No. 203 San Juan 30-5 Unit, W $\frac{1}{2}$ Section 6, T. 30 N., R. 5 W.

The Initial Participating Area and First and Second Expansions for the Fruitland Coal Formation in the San Juan 30-5 Unit have been approved. The Fruitland Coal PA has been assigned No. 89000346C.

Initial PA	Well No. 201
1st Expansion	Well No. 209
2nd Expansion	Well No. 203

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-7115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 et. seq.

If you have any questions concerning this matter, please call Brian W. Davis at (505) 599-8994 or (505) 327-5344.

Sincerely,

A handwritten signature in black ink, appearing to be "Mike Pool", written over a horizontal line.

Mike Pool
Area Manager

3 Enclosures

- 1 - Exhibit B Initial
- 2 - Exhibit B 1st
- 3 - Exhibit B 2nd

cc:

MMS, RMP, MS-3240, Denver, CO w/enclosure

NMOCD, Santa Fe, NM w/o enclosure

Commissioner of Public Lands, Santa Fe, NM w/o enclosure



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

RECEIVED NEW MEXICO
JAN 1 1992

DEC 20 1991

December 20, 1991

Assistant District Manager, Minerals
Bureau of Land Management
Farmington, New Mexico 87401
(4 copies enclosed)

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

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 406
Santa Fe, New Mexico 87503
(2 copies enclosed)

Re: San Juan 30-5 Unit
#14-08-001-346
Application For Initial
Participating Area
Effective Jan. 31, 1990
Application for First
Expansion - Effective
June 1, 1990
Application for Second
Expansion - Effective
July 1, 1990
Fruitland Coal Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement #14-08-001-346, approved November 7, 1952, Phillips Petroleum Company, as operator, determined on the dates indicated below that the wells listed below are capable of producing unitized substances in paying quantities from the Fruitland Coal Formation. Therefore,

1-2-92
D-Unit letter
Tux
Ry

application for the Initial Participating Area, First Expansion and Second Expansion of the Participating Area for the Fruitland Coal Formation is submitted for your review as follows:

Initial Participating Area - Effective January 31, 1990

<u>Drilling Block</u>	<u>New Acres</u>	<u>Well Number</u>
W/2 Section 19-30N-5W	320.0	201

The San Juan 30-5 Unit #201 well was completed January 31, 1990. The Fruitland Coal formation was tested on January 31, 1990 with cumulative gas production of 237,407 mcf through September 30, 1991. The spacing unit for this well is described as the W/2 of Section 19-30N-5W, containing 320.0 acres.

First Expanded Participating Area - Effective June 1, 1990

<u>Drilling Block</u>	<u>New Acres</u>	<u>Well Number</u>
E/2 Section 30-30N-5W	320.0	209

The San Juan 30-5 Unit #209 well was completed May 19, 1990. The Fruitland Coal formation was tested on May 16, 1990 with cumulative production of 485,663 mcf through September 30, 1991. The spacing unit for this well is described as the E/2 of Section 30-30N-5W, containing 320.0 acres.

Second Expanded Participating Area - Effective July 1, 1990

<u>Drilling Block</u>	<u>New Acres</u>	<u>Well Number</u>
Lots 10,11, S/2 NW/4, SW/SW, N/2 SW/4, SE/SW (W/2) Section 6-30N-5W	319.78	203

The San Juan 30-5 #203 well was completed May 29, 1990. The Fruitland Coal formation was tested on June 20, 1990 with cumulative production of 216,573 mcf through October 31, 1991. The spacing unit for this well is described as Lots 10, 11, S/2 NW/4, SW/SW, N/2 SW/4, SE/SW (W/2) Section 6-30N-5W, containing 319.78 acres.

Enclosed herewith are Schedule I, II and III showing the Initial through Second Expanded Participating Areas for the Fruitland Coal formation of the San Juan 30-5 Unit Area. The schedules describe

San Juan 30-5 Unit
December 20, 1991
Page 3

the Participating Areas and indicate the percentages of unitized substances allocated to the tracts according to the Fruitland Coal ownership of said tract.

Unless this application is disapproved or contested in whole or in part the Initial, First Expanded and Second Expanded Participating Areas are effective January 31, 1990, June 1, 1990 and July 1, 1990 respectively.

Copies of this application within enclosures are being sent to the working interest owners on the attached sheet.

Very truly yours,

PHILLIPS PETROLEUM COMPANY



A. J. Kieke, CPL
Area Landman
San Juan Basin
(505) 599-3410

cc: Working Interest Owners

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078740	30N 5W	320.00		TRACT: 005	3.000000	3.000000	100.000000
	SEC. 19 W/2				12.500000	12.500000	
			ORRI:		3.000000		
			ROYALTY:		12.500000		
			WORKING INTEREST:		69.290000	69.290000	
			PHILLIPS PETROLEUM COMPANY		15.210000	15.210000	
			WILLIAMS PRODUCTION COMPANY				
			TOTAL		100.000000	100.000000	

REMARKS:

SAN JUAN 30-5 UNIT #201

EFFECTIVE 90/01/31

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:		DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:	
TOWNSHIP 30N , RANGE 5W			
SECTION 19 : W/2			
TOTAL COMMITTED:	320.00	TOTAL ACRES NON-COMMITTED:	0.00
TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:	320.00		

PAGE 1
FED530AP-A

ORI:	3.000000	3.000000	-----
ROYALTY:	12.500000	12.500000	
WORKING INTEREST:			
PHILLIPS PETROLEUM COMPANY	69.290000	69.290000	
WILLIAMS PRODUCTION COMPANY	15.210000	15.210000	
	-----	-----	
TOTAL	100.000000	100.000000	

EFFECTIVE 90/06/01

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:		DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:	
TOWNSHIP 30N	RANGE 5W		
SECTION 19	W/2		
SECTION 30	E/2		
TOTAL COMMITTED:	640.00	TOTAL ACRES NON-COMMITTED:	0.00
TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:	640.00		

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078740	30N 5W	640.00		TRACT: 005			66.681947
SEC. 19	W/2		ORRI:		3.000000	3.000000	
SEC. 30	E/2		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:		69.290000	69.290000	
			PHILLIPS PETROLEUM COMPANY		15.210000	15.210000	
			WILLIAMS PRODUCTION COMPANY				
			TOTAL		100.000000	100.000000	

REMARKS:
 SAN JUAN 30-5 UNIT #201
 SAN JUAN 30-5 UNIT #209

SF-078997	30N 5W	40.00		TRACT: 007			4.167622
SEC. 6	SE/SW		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:		67.650000	67.650000	
			PHILLIPS PETROLEUM COMPANY		14.850000	14.850000	
			WILLIAMS PRODUCTION COMPANY				
			TOTAL		100.000000	100.000000	

REMARKS:
 SAN JUAN 30-5 UNIT #203

SF-080066	30N 5W	279.78		TRACT: 011			29.150431
SEC. 6	LOTS 10,11, S/2NW, SW/SW, N/2SW		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:		67.650000	67.650000	
			PHILLIPS PETROLEUM COMPANY		14.850000	14.850000	
			WILLIAMS PRODUCTION COMPANY				
			TOTAL		100.000000	100.000000	

REMARKS:
 SAN JUAN 30-5 UNIT #203

EFFECTIVE 90/07/01

RUN DATE 12/13/91
RUN TIME 10:37:56

PHILLIPS PETROLEUM COMPANY
SCHEDULE III
R E C A P I T U L A T I O N

PAGE 1
FED535AP-A

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

TOWNSHIP 30N , RANGE 5W
SECTION 19 : W/2
SECTION 30 : E/2
SECTION 6 : SE/SW
SECTION 6 : LOTS 10, 11, S/2NW, SW/SW, N/2SW
TOTAL COMMITTED: 959.78

TOTAL ACRES NON-COMMITTED:

0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

959.78

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit # 201
Fruitland Coal
SW/4 Section 19, T30N, R5W
Rio Arriba County, NM

Date of First Delivery: 2/9/90

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs: \$335,000

Production Taxes & Royalty: 19.87%

BLM	12.50%
Severence	3.75%
Ad Valrem	3.62%

Average Product Pricing
1990

* 1.06/MCF

* Based on spot gas sales for the actual months of production.

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MCF)</u>	<u>** Operating Expense (\$)</u>
1990	140,386	305,400
1991	227,000	76,800
1992	300,000	76,800
1993	380,000	76,800
1994	370,000	76,800
1995	333,000	76,800
1996	300,000	76,800
1997	270,000	76,800
1998	243,000	76,800
1999	218,000	76,800
2000	197,000	76,800
2001	177,000	76,800
2002	159,000	76,800
2003	143,000	76,800
2004	129,000	76,800

** Operating Expenses were not escalated for inflation.

#1 comdet17.dav

ECONOMIC EVALUATION OF PROPOSED
OIL AND GAS PROPERTY EXPENDITURES-PRODUCTION OR PROPERTY ACQUISITION
PROGRAM NO. 4049

RUN IDENTIFICATION

SJ 30-5 # 201

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	335000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	335000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	3686386.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	2953894.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	3131130.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	3131130.
3A	LIFTING COSTS	1380600.
3B	GENERAL EXPENSE	0.
3C	EXCISE TAX CRUDE OIL	0.
3D	SEVERANCE TAXES	0.
3E	OTHER TAXES	0.
3F	ABANDONMENT COSTS	0.
3.0	TOTAL EXPENSES	1380600.
4.0	INCOME BEFORE RES & TAX	1750532.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	335000.
5.0	TOTAL CAPITAL REC	201000.
6D	NET INCOME TAX	15.
7.0	PROFIT AFTER TAX	1549516.
8.0	CASH INCOME AFTER FIT	1750515.
9A	SALVAGE	134000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	1884515.
11A	CASH FLOW	1549517.
	PRESENT VALUE	P.I.
	@ 5.0%: 1008258.9	4.0
	@ 10.0%: 661966.4	3.0
	@ 15.0%: 428327.5	2.3
	@ 20.0%: 263548.4	1.8
	AARR, %	33.6
	BREAKEVEN(YRS)FROM 1ST INV	3.5
	PAYOUT(YRS)FROM 1ST REV	3.5
	NTER	5.6
	ECON. LIMIT(YRS)FROM ST.	14.9

=====

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit # 203
Fruitland Coal
SW/4 SEction 6, T30N, R5W
Rio Arriba County, NM

Date of First Delivery: 7/28/90

Date of Commerciality Submittal: _____

Well Cost Data

Total Well Costs: \$345,800

<u>Production Taxes & Royalty:</u>	<u>19.87%</u>	<u>BLM</u>	<u>12.50</u>
		Severence	3.75%
		Ad Valrem	3.62%

Average Product Pricing

1990-1991 * 1.06/MCF

* Based on spot gas sales for the actual months of production.

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MCF)</u>	<u>** Operating Expense (\$)</u>
1990	34,528	21,110
1991	239,000	29,700
1992	301,000	29,700
1993	298,000	29,700
1994	289,000	29,700
1995	251,000	29,700
1996	221,000	29,700
1997	198,000	29,700
1998	180,000	29,700
1999	165,000	29,700
2000	153,000	29,700
2001	142,000	29,700
2002	133,000	29,700
2003	124,000	29,700
2004	117,000	29,700

** Operating Expenses were not escalated for inflation.

#1 comdet28.dav

ECONOMIC EVALUATION OF PROPOSED
OIL AND GAS PROPERTY EXPENDITURES-PRODUCTION OR PROPERTY ACQUISITION
PROGRAM NO. 4049

RUN IDENTIFICATION

SJ 30-5 # 203

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	345800.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	345800.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	2845528.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	2280117.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	2416924.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	2416924.
3A	LIFTING COSTS	436910.
3B	GENERAL EXPENSE	0.
3C	EXCISE TAX CRUDE OIL	0.
3D	SEVERANCE TAXES	0.
3E	OTHER TAXES	0.
3F	ABANDONMENT COSTS	0.
3.0	TOTAL EXPENSES	436910.
4.0	INCOME BEFORE RES & TAX	1980014.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	345800.
5.0	TOTAL CAPITAL REC	207480.
6D	NET INCOME TAX	18.
7.0	PROFIT AFTER TAX	1772517.
8.0	CASH INCOME AFTER FIT	1979996.
9A	SALVAGE	138320.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	2118316.
11A	CASH FLOW	1772517.
PRESENT VALUE		P.I.
	@ 5.0%: 1214052.0	4.5
	@ 10.0%: 861060.0	3.5
	@ 15.0%: 624916.9	2.8
	@ 20.0%: 459067.9	2.3
AARR, %		54.9
BREAKEVEN(YRS)FROM 1ST INV		2.3
PAYOUT(YRS)FROM 1ST REV		2.1
NTER		6.1
ECON. LIMIT(YRS)FROM ST.		14.4

=====

KEY:

DATE: 5/23/90 RPT. NO. 7 WELL: SAN JUAN 30-5 UNIT #203

FLD.: Basin Fruitland Coal PTD (MD): 3175 FT. RIG: Big A #22

PURPOSE OF JOB: Open Hole Completion

AFE/WO NO.: PC 887 AUTH. \$: 265,000 DAILY \$: 18150 CUM \$: $\frac{33450}{140511}$

PRESENT OPERATION: Condition Hole For Logs

SICP: PSIG @ HRS. SITP: PSIG @ HRS. FTP: PSIG @ HRS.

DAILY RECOVERY: OIL BBLS WATER BBLS GAS MCF LOAD BBLS LOAD TO RECOVER: BBLS

24-HR. DETAIL REPORT:

6 AM Pick up & GIH w/ DCI + DP

10³⁰ AM Test all 3 1/2" Rams & HCR Valves

200 PSI 10 min 2500 PSI 30 min Held OK

1 PM DRlg cm + FC @ 2960'

4³⁰ PM DRlg open Hole (From 3000' to 3175') 2% KCL Water

3 AM TD 3175 Circ + Condition

4³⁰ PM Short Trip to Csg -5³⁰ AM Tag No Fill - Circ. & Condition For Logs

Coal Interval	Thickness	Gas
3022-3024	2 FT	700 U
3046-3049	3 FT	1200 U
3101-3106	5 FT	4100 U
3113-3119	6 FT	3700 U
3127-3132	5 FT	3600 U
3135-3141	6 FT	3100 U
3163-3173	10 FT	3600 U

Net Coal 37 FT

6 AM

PHILLIPS WELLSITE SUPERVISOR:

David E. Walter

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 30-5 Unit # 209
Fruitland Coal
NE/4 Section 30, T30N, R5W
Rio Arriba County, NM

Date of First Delivery:	<u>6/27/90</u>	
Date of Commerciality Submittal:		
<u>Well Cost Data</u>		
Total Well Costs:	<u>260,500</u>	
<u>Production Taxes & Royalty:</u>	<u>19.87%</u>	BLM 12.50% Severence 3.75% Ad Valorem 3.62%

Average Product Pricing

1990

* 1.06/MCF

* Based on spot gas sales for the actual months of production.

Estimated Gross Annual Production and Operating Expenses

<u>Year</u>	<u>Gas (MCF)</u>	<u>** Operating Expense (\$)</u>
1990	207,023	80,150
1991	361,310	24,000
1992	319,840	24,000
1993	309,720	24,000
1994	268,800	24,000
1995	239,270	24,000
1996	214,860	24,000
1997	194,660	24,000
1998	177,970	24,000
1999	163,830	24,000
2000	151,840	24,000
2001	141,570	24,000
2002	132,560	24,000
2003	124,370	24,000
2004	116,970	24,000

** Operating Expenses were not escalated for inflation.

#1 comdet18.dav

ECONOMIC EVALUATION OF PROPOSED
OIL AND GAS PROPERTY EXPENDITURES-PRODUCTION OR PROPERTY ACQUISITION
PROGRAM NO. 4049

RUN IDENTIFICATION

CJ 30-5 # 209

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	260500.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	260500.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	3124561.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	2503709.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	2653929.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	2653929.
3A	LIFTING COSTS	416150.
3B	GENERAL EXPENSE	0.
3C	EXCISE TAX CRUDE OIL	0.
3D	SEVERANCE TAXES	0.
3E	OTHER TAXES	0.
3F	ABANDONMENT COSTS	0.
3.0	TOTAL EXPENSES	416150.
4.0	INCOME BEFORE RES & TAX	2237779.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	260500.
5.0	TOTAL CAPITAL REC	156300.
6D	NET INCOME TAX	21.
7.0	PROFIT AFTER TAX	2081460.
8.0	CASH INCOME AFTER FIT	2237759.
9A	SALVAGE	104200.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	2341958.
11A	CASH FLOW	2081460.

PRESENT VALUE		P.I.
@ 5.0%:	1516587.0	6.8
@ 10.0%:	1155327.0	5.4
@ 15.0%:	910961.1	4.5
@ 20.0%:	737494.9	3.8

AARR, %	131.6
BREAKEVEN(YRS)FROM 1ST INV	1.2
PAYOUT(YRS)FROM 1ST REV	1.2
ENTER	9.0
ECON. LIMIT(YRS)FROM ST.	14.6

PHILLIPS DAILY COMPLETION/WORKOVER REPORT

KEY:

DATE: 5/11/90	RPT. NO. 7	WELL: SAN JUAN 30-5 Unit #209
FLO.: Basin Fruitland Coal	PTD (MD): 3053 FT.	RIG: Big A #22
PURPOSE OF JOB: OPEN Hole Completion		
AFE/WO NO.: PC 889	AUTH. \$: 263,000	DAILY \$: 7875 CUM \$: 30,800
PRESENT OPERATION: R & R - Circ		
SICP:	PSIG @	HRS.
SITP:	PSIG @	HRS.
FTP:	PSIG @	HRS.
DAILY RECOVERY:	OIL BBLs	WATER BBLs
	GAS MCF	LOAD BBLs
LOAD TO RECOVER: BBLs		

24-HR. DETAIL REPORT:

6 AM Drilling Open Hole - 8' FLARE

1:30 PM T.D @ 3053 Circ bottoms up - 12' FLARE

2 PM Rotate & Recip - Circ w/o to 1 MCFD Air
 & 5 Bbl/min Down to 3 Bbl/min

4 PM R & R Circ w/ 1.5 MCFD & 5 Bbl/min Down to
 20 Bbl sweep / 30 min - Returns - Heavy to Very Heavy
 1/8" to 1/4", some 1/2" - Sharp & Brittle COAL
 Hole Very tight & Stuck at Times

3 AM - 6 AM R & R Circ w/ 1.5 MCFD & 5 Bbl/min

Mud log

COAL Interval	Net ft	Background GAS
2930-2934	4'	4600U
2952-2956	4'	4800U
2977-2982	5'	4300U
2988-3000	9'	4700U
3045-3052	5'	4700U

Total 27'

RPT #5 \$11,500 RPT #6 \$11,425

PHILLIPS WELLSITE SUPERVISOR:

92 JAN 10 AM 9 06



PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

December 18, 1991

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Re: San Juan 30-5 Unit
#14-08-001-436
Notice of Completion of
Non-Commercial Well
Fruitland Coal Formation

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 30-5 Unit Agreement, Phillips Petroleum Company, as Unit Operator, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Fruitland Coal formation.

The well data is as follows:

The San Juan 30-5 Unit #202 Well is located 1815' FNL and 1085' FEL of Section 6, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on November 18, 1989, and completed in the Fruitland Coal formation on January 9, 1990. The Fruitland Coal formation was perforated with 4 spf (320 total holes) between the following depths:

3068' - 3078'
3086' - 3096'
3139' - 3199'

San Juan 30-5 Unit
Fruitland Coal Formation
December 18, 1991
Page 2

Subsequent tests resulted in volumes of gas not sufficient to measure. This well was first delivered March 8, 1990 at 83 mcf/day and produced a cumulative volume of 2,468 mcf through August 20, 1990 when it was shut-in due to poor performance and has remained shut-in since that time. The total operating costs for this well during the same period was \$21,283, indicating that said well does not meet commerciality requirements for Fruitland Coal participating Area inclusion. Phillips believes that the poor performance of this well is attributable to drilling mud penetration into the coal fractures during coring operations.

Phillips is considering steam stimulation of this well in order to improve its producibility or possibly a re-drill of said well at a future date. Should this well prove to be commercial after a steam stimulation or re-drill, this well or the replacement well will be submitted for inclusion into the Fruitland Coal Participation Area.

If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

PHILLIPS PETROLEUM COMPANY



A. J. Kieke, CPL
Area Landman
San Juan Basin
(505) 599-3410

cc: 30-5 Working Interest Owners
R. T. Hillburn
N. L. Maddox (r) GF-5397
P. W. Strawbridge
K. L. Czirr

San Juan 30-5
Fruitland Coal Formation
December 18, 1991
Page 3

APPROVED

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


DATE

APPROVED

Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

DATE

APPROVED


Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

DATE

1-13-92

The foregoing is the approval of Notice of Completion of a Non-Commercial Well for the San Juan 30-5 Unit #202 Well, Fruitland Coal formation.

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES



260-90

LAND DEPARTMENT

P.O. BOX 58900
SALT LAKE CITY, UTAH 84158-0900
801-534-7215

APR 18 1990
April 18, 1990

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87504-1148

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 30-5 Unit #14-08-001-436
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELL
Gallup formation

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 30-5 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Gallup formation.

The well data is as follows:

The San Juan 30-5 Gallup Unit #102 well is located 2220 feet from the West line and 1970 feet from the South line, Section 34, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 8, 1984, and completed in the Gallup formation on August 15, 1984. The Gallup formation was perforated with 43 holes between the following depths:

6876' to 7323' and 7382' to 7838'

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation commission
April 18, 1990
Page 2


These perforations were sand/water fractured. This well has a 2-3/8" tubing string. On August 24, 1984 the well was tested and after flowing for three hours through a 3/4" variable choke the well gauged 648 Mcf/d.

If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION



Darrell L. Gillen
Land Manager

DLG/cg
Attachement

cc: Working Interest Owners
W. O. Curtis
L. L. Fullmer
R. L. Glenn
M. H. Johnson
L. G. Loving
J. K. Nielsen
M. V. Polanshek
C. N. Potter
P. C. Thompson
N. K. Zunino

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
April 18, 1990
Page 3

APPROVED

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

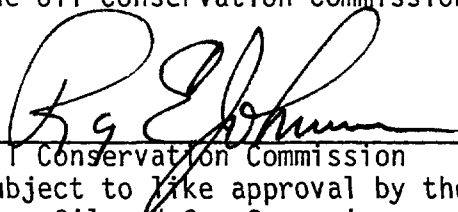
DATE

APPROVED

Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor and
the Oil Conservation Commission

DATE

APPROVED


Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor and
the Commissioner of Public Lands

DATE

4-9-90

The foregoing is the approval of Notice of Completion of Non-Commercial Well
for the San Juan 30-5 Unit #102 Well, Gallup formation.

U56N2650
04/18/90

WORKING INTEREST OWNERS
SAN JUAN 30-5 UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

MAX B. ROTHOLZ
1323 N. FULTON
WHARTON, TX 77488

ARAPAHOE DRILLING
P.O. BOX 26687
ALBUQUERQUE, NM 87125

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

EVELYN G. BROWN
C/O JAMES BROWN
14 ALPINE ROAD
GREENWICH, CT 06830

PHILLIPS PETROLEUM COMPANY
ATTN: JAV KIEKE
300 WEST ARRINGTON, SUITE 200
FARMINGTON, NM 87401

FLAG-REDFERN OIL COMPANY
P.O. BOX 11050
MIDLAND, TX 79702

ROBERT TINNIN
P.O. BOX 1885
ALBUQUERQUE, NM 87103

H.O. & T.K. POOL TRUST
C/O FIRST INTERSTATE BANK OF OKLAHOMA
P.O. BOX 25189
OKLAHOMA CITY, OK 73125-0189

RUTH ZIMMERMAN TRUST
842 MUIRLANDS VISTA WY.
LA JOLLA, CA 92037

JAV I. COHEN, TRUSTEE
ABERCROMBIE TRUST
10370 RICHMOND, SUITE 710
HOUSTON, TX 77042

SUNWEST BANK OF ALBUQUERQUE, N.A.
AGENT FOR KATHLEEN QUINN
P.O. BOX 26900
ALBUQUERQUE, NM 87125

LANGDON D. HARRISON
7517 TAMMORON N.E.
ALBUQUERQUE, NM 87109

TEXACO, INC.
JOINT INTEREST OPERATIONS
P.O. BOX 46555
DENVER, CO 80201-6555

MAR OIL & GAS CORPORATION
ATTN: M. A. ROMERO
P.O. BOX 5155
SANTA FE, NM 87502

THOMAS A. & MARY E. DUGAN
P.O. BOX 420
FARMINGTON, NM 87499-0420

INPUT DATA

PROJECT:	San Juan 30-5 #102 Gallup
INIT GAS RATE	MCF/DAY 175
INIT DECLINE	%/YR *
ACT./CAPACITY	.XXXX 0.9000
GAS PRICE	\$/MCF see table
ROYALTY	.XXXXX 0.1250
FIXED COST	\$/YR 4.2000
VARIABLE COST	\$/MCF 0.0000
PROD TAXES	% GROSS 11.0000
WORKING INT	.XXXX 1.0000
INVESTMENT (100% W1)M\$	292.0000
INC. TAX RATE	.XXXX 0.4000
TAN/TOT INV. RATIO	.XXXX 0.3500
INCOME ESC. FACTOR	.XXXX 0.0000
COST ESC. FACTOR	.XXXX 0.0000
DCF FACTOR	.XXXX 0.0100
DCF FACTOR	.XXXX 0.1000
DCF FACTOR	.XXXX 1.0000
DCF FACTOR	.XXXX 2.0000
DCF FACTOR	.XXXX 3.0000
DCF FACTOR	.XXXX 5.0000

ECON MASTER

TOTALS	504	104	654	802	105
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DISCOUNTED CASHFLOW ANALYSIS

ECON MASTER

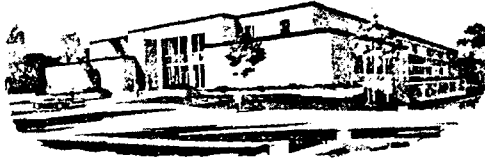
YEAR	NET OPER INCOME	INVEST MENT	DEPREC INCOME	TAXABLE INCOME	INCOME TAX	NET CASHFLOW	<----- DISCOUNTED CASH FLOW (MID YEAR) ----->						CUM CASH FLOW
	M\$	M\$	M\$	M\$	M\$	M\$	0.010	0.100	1.000	2.000	3.000	5.000	M\$
	0	292		-190	-76	-216	-216	-216	-216	-216	-216	-216	-216
1	40	0	20	19	8	32	32	30	23	18	16	13	-184
2	17	0	10	7	3	14	14	12	5	3	2	1	-170
3	12	0	8	5	2	11	10	8	2	1	0	0	-157
4	11	0	7	4	1	9	9	7	1	0	0	0	-150
5	9	0	6	3	1	8	7	5	0	0	0	0	-142
6	7	0	5	2	1	7	6	4	0	0	0	0	-136
7	6	0	5	1	1	6	5	3	0	0	0	0	-130
8	5	0	4	1	0	5	4	2	0	0	0	0	-125
9	4	0	4	0	0	4	4	2	0	0	0	0	-121
10	3	0	3	0	0	3	3	1	0	0	0	0	-118
11	2	0	3	-1	0	3	2	1	0	0	0	0	-116
12	2	0	3	-1	0	2	2	1	0	0	0	0	-115
13	1	0	2	-1	-1	2	1	0	0	0	0	0	-112
14	0	0	2	-2	-1	1	1	0	0	0	0	0	-111
15	0	0	2	-2	-1	1	1	0	0	0	0	0	-110
16	-1	0	2	-2	-1	0	0	0	0	0	0	0	-110
17	-1	0	2	-2	-1	0	0	0	0	0	0	0	-110
18	-1	0	1	-3	-1	0	0	0	0	0	0	0	-110
19	-2	0	1	-3	-1	0	0	0	0	0	0	0	-111
20	-2	0	1	-3	-1	-1	-1	0	0	0	0	0	-111
TOTALS	113	292	92	-168	-67	-111	-115	-139	-185	-194	-198	-202	

RATE OF RETURN (%) = ERR

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO. OG-645

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

January 12, 1988

Northwest Pipeline Corporation
ATTENTION: Mr. Darrell L. Gillen
P. O. Box 8900
Salt Lake City, Utah 84108-0900

Re: San Juan 30-5 Unit
Rio Arriba County, New Mexico
Notice of Completion of non-
commercial well Dakota Formation

Gentlemen:

This office is in receipt of your letter of November 10, 1987 and the approval letter from the Bureau of Land Management dated December 8, 1987, wherein the San Juan 30-5 Unit Well No. 50, located in the NW/4SW/4 of Sec. 31-31N-6W was determined to be non-commercial.

The Commissioner of Public Lands concurs with the Bureau of Land Management that this well is non-commercial and should be produced on a lease basis.

Enclosed is an approved copy for your files.

Very truly yours,

WILLIAM R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY:

Floyd O. Prando
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico
GULRAM
TRD-Oil and Gas Processing

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO. OG-644

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

January 12, 1988

Northwest Pipeline Corporation
ATTENTION: Mr. Darrell L. Gillen
P. O. Box 8900
Salt Lake City, Utah 84108-0900

Re: San Juan 30-5 Unit
Rio Arriba County, New Mexico
Notice of Completion of non-
commercial wells Dakota Formation

Gentlemen:

This office is in receipt of your letter of March 9, 1983, and the approval letter from the Bureau of Land Management dated May 10, 1983 wherein the San Juan 30-5 Unit Well Nos. 81 and 82 were determined to be non-commercial.

The Commissioner of Public Lands concurs with the Bureau of Land Management that these wells are non-commercial and should be produced on a lease basis.

Enclosed is an approved copy for your files.

Very truly yours,

WILLIAM R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.

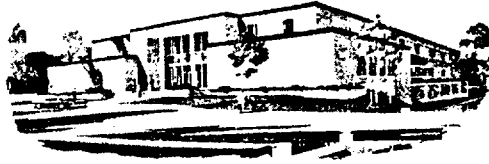
cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico
GULRAM
TRD-Oil and Gas Processing

State of New Mexico

417



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

SLO REF NO. OG-646

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

January 13, 1988

Northwest Pipeline Corporation
ATTENTION: Mr. Darrell L. Gillen
P. O. Box 8900
Salt Lake City, Utah 84108-0900

Re: San Juan 30-5 Unit
Rio Arriba County, New Mexico
31st & 32nd Expanded Participa-
ting Area for Mesaverde formation

Gentlemen:

This office is in receipt of your letter of November 25, 1987 wherein as unit operator of the San Juan 30-5 Unit you have requested our approval of the Thirty-First and Thirty-Second Expanded Participating Areas to the Mesaverde formation in the San Juan 30-5 Unit, Rio Arriba County, New Mexico. The Commissioner of Public Lands has this date approved your request.

The thirty-first revision is effective as of November 1, 1981 and covers the E/2 of Section 33, W/2 Section 34, T-30N-R5W, 640.00 acres. This revision is based upon the commercial completion of the Unit Well Nos. 74 and 84.

The thirty-second revision is effective as of October 1, 1985 and covers the E/2 of Section 15, W/2 of Section 14, T-30N-R5W, 640.00 acres. This revision is based upon the commercial completion of the Unit Well No 61.

Enclosed is an approved copy for your files.

Very truly yours,

WILLIAM R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP, pm

encls.

cc: OCD-Santa Fe, New Mexico
BLM-Albuquerque, New Mexico
GULRAM
TRD Oil and Gas Processing

MAY 25 1988

MAY 17 1988

San Juan 30-5 (FOD)
3180 (015)

Northwest Pipeline Corporation
Attn: Darrell L. Gillen
P.O. Box 8900
Salt Lake City, Utah 84108

Gentlemen:

Two approved copies of your 1988 Plan of Development for the San Juan 30-5 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of the San Juan 30-5 Unit Well No. 109 (W $\frac{1}{2}$ sec 14, T. 30 N., R. 5 W.) in the Mesaverde Formation was approved this date subject to like approval by the appropriate officials of the State of New Mexico.

Starting with the 1989 Plan of Development, please provide the following information in your annual Plan of Development.

1. A summary of operations for the past year which should include up-to-date maps showing the latest geologic interpretations, all wells and participating area boundaries. Should there be no changes from one year to another, reference may be made to the most recent map submitted.
2. A list showing the status of all wells.
3. Performance curves covering the productive life of each horizon under a participating area, including injectivity curves.
4. Your plans for development within the unit area for the next year.
5. Pertinent data as to the effectiveness of the enhanced recovery project (if applicable). This information should include data on current and cumulative water injection rates, current and cumulative water, gas, and oil production and current water-oil ratios. A short discussion as to the general progress of the flood and any significant changes in any phase of the project should also be included.

All plans of development are to be filed in triplicate.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 761-4503.

Sincerely,

(ORIG. SGD.) ALLEN F. BUCKINGHAM

Assistant District Manager
Mineral Resources

Enclosure

cc:

NM-019

NMOCD, Santa Fe w/o encl.

Comm. of Pub. Lands, Santa Fe w/o encl.

015:GKeller:ag:5/13/88:0041M

596-88

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

October 12, 1988

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87501

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
P.O. Box 2088
Santa Fe, NM 87501

Re: San Juan 30-5 Unit #14-08-001-436
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELL
Gallup Formation

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 30-5 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Gallup formation.

The well data is as follows:

The San Juan 30-5 Gallup Unit #91 well is located 1950 feet from the south line and 835 feet from the west line, Section 25, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 13, 1983 and completed in the Gallup formation on November 4, 1983. The plug back depth is 8000'. The Gallup formation was perforated with one shot per foot at the following depths:

7030', 7040', 7060', 7077', 7092', 7139',
7180', 7190', 7220', 7246', 7256', 7270',
7275', 7280', 7285', 7290', 7295', 7300',
7305', 7310', 7315', 7320', 7325', 7330',
7335', 7340', 7345', 7350', 7355', 7360'

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 12, 1988
Page 2

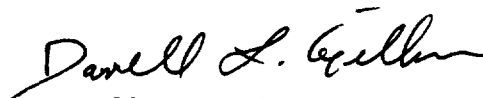
The Gallup formation was hydraulically fractured with 4180 barrels of treated fluid carrying 81,000 pounds of 20/40 mesh sand. On November 29, 1983 the Gallup formation was tested using a positive choke. During the 3-hour test the well produced 520 Mcf of gas, flowing at a rate of 3268 Mcfd. The calculated AOF was 3467 Mcfd.

If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy for our files.

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Supervisor, Land Department

DLG/cg
Attachments

cc: Working Interest Owners
K. J. Stracke
W. S. West
L. G. Loving
C. N. Potter
M. H. Johnson
R. P. Gregory
R. L. Glenn
L. K. Leaver

Assistant District Manager, Minerals
Commissioner of Public Lands
Oil Conservation Commission
October 12, 1988
Page 3

APPROVED

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

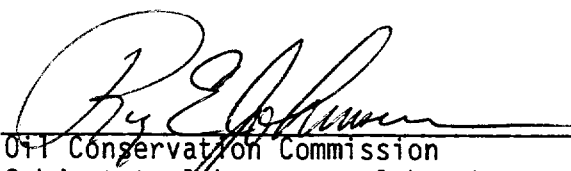
DATE _____

APPROVED

Commissioner of Public Lands
Subject to like approval by the
Area Oil and Gas Supervisor
and the Oil Conservation Commission

DATE _____

APPROVED


Oil Conservation Commission
Subject to like approval by the
Area Oil and Gas Supervisor
and the Commissioner of Public Lands

DATE 10-20-88

The foregoing is the approval of Notice of Completion of Non-Commercial Well
for the San Juan 30-5 Unit #91 Well, Gallup Formation.

U56N2650
10/10/88

WORKING INTEREST OWNERS
SAN JUAN 30-5 UNIT

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

MAR OIL & GAS CORPORATION
ATTN: M. A. ROMERO
P.O. BOX 5155
SANTA FE, NM 87502

ARAPAHOE DRILLING
P.O. BOX 26687
ALBUQUERQUE, NM 87125

MAX B. ROTHOLZ
1323 N. FULTON
WHARTON, TX 77488

EVELYN G. BROWN
C/O JAMES BROWN
14 ALPINE ROAD
GREENWICH, CT 06830

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

FLAG-REDFERN OIL COMPANY
P.O. BOX 11050
MIDLAND, TX 79702

PHILLIPS PETROLEUM COMPANY
ATTN: GARY KUSE
8055 E. TUFTS AVE. PKWY.
DENVER, CO 80237

H.O. & T.K. POOL TRUST
C/O FIRST INTERSTATE BANK OF ARIZONA
P.O. BOX 53435, DEPT. #962
PHOENIX, AZ 85072

ROBERT TINNIN
P.O. BOX 1885
ALBUQUERQUE, NM 87103

JAY I. COHEN, TRUSTEE
ABERCROMBIE TRUST
10370 RICHMOND, SUITE 370
HOUSTON, TX 77042

RUTH ZIMMERMAN TRUST
842 MUIRLANDS VISTA WY.
LA JOLLA, CA 92037

KATHLEEN QUINN, PERSONAL REP.
OF THE ESTATE OF JOE QUINN
1031 LONGWOOD LOOP
MESA, AZ 85208

TEXACO, INC.
OPERATIONS DIVISION
P.O. BOX 3109
MIDLAND, TX 79702

LANGDON D. HARRISON
7517 TAMARRON PLACE N.E.
ALBUQUERQUE, NM 87109

THOMAS A. & MARY E. DUGAN
P.O. BOX 208
FARMINGTON, NM 87499

NORTHWEST PIPELINE CORPORATION
 GAS RESERVES DEPARTMENT ECONOMIC STUDY
 SAN JUAN 30-5 #91 GL COMMERCIALITY

MON MAY 16, 1988
 3:39:29 PM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	

UNIT OF PRODUCTION DEPRECIATION

GAS PRODUCTION FROM SAN JUAN 30-5 #91 GL

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	10.4	OPERATING COSTS (\$/MO).....	350.0
MONTH OF CAPITAL EXPENSE....	12	OPERATING COSTS (% OF PROD).	0.0
DRILLING COSTS (\$1000).....	252.4	TANGIBLE \$ (% OF DRILLING \$)	34.0
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
20	280.0	75.4	110.0	28
28	110.0	23.8	70.0	48
48	70.0	7.1	19.0	259
259	19.0	100.0	0.0	260

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1983	3.22	0	0.	0.	0.
1984	3.22	94	34198.	4275.	96.
1985	3.22	110	40320.	5040.	114.
1986	3.22	80	29040.	3630.	62.
1987	1.00	67	24566.	3071.	31.
1988	1.30	62	22810.	2851.	25.
1989	1.21	58	21180.	2647.	22.
1990	1.21	54	19666.	2458.	21.
1991	1.21	50	18260.	2283.	19.
1992	1.21	46	16955.	2119.	18.
1993	1.21	43	15743.	1968.	17.
1994	1.21	40	14618.	1827.	15.
1995	1.21	37	13573.	1697.	14.
1996	1.21	35	12603.	1575.	13.
1997	1.21	32	11702.	1463.	12.
1998	1.21	30	10865.	1358.	12.
1999	1.21	28	10089.	1261.	11.
2000	1.21	26	9367.	1171.	10.
2001	1.21	24	8698.	1087.	9.
2002	1.21	22	8076.	1010.	9.
2003	1.21	21	7499.	937.	8.
TOTAL.....			349820.	43728.	538.

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SAN JUAN 30-5 #91 GL COMMERCIALITY

MON MAY 16, 1988
3:39:29 PM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	
UNIT OF PRODUCTION DEPRECIATION			

DISCOUNT	*****PRESENT VALUE*****		DISCOUNTED PROFIT TO**	
RATE	***** \$1000 *****		***INVESTMENT RATIO***	
*** % **	BEFORE TAX	AFTER TAX	BEFORE TAX	AFTER TAX
14.2	0.		0.00	
10.8		0.		
15.0	-4.	-17.	-0.02	-0.07
				RATE OF RETURN B.T.
				0.0 RATE OF RETURN A.T.

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*				****CASH FLOW ANALYSIS IN \$1000****				
	\$1000	***	*****	AD.V.	*****	*****	**CUM	*****	*****	*****
	NET*	CAPI-	***	SEV.	PROD.	BEFORE	BEFORE	TAXED	INCOME	AFTER
	*****	*TAL*	DEPR.	TAXES	COSTS	*TAXES	TAXES	INCOME	TAXES	TAXES
1983	0	252	0	0	0	-252	-252	-167	-60	-192
1984	96	0	8	10	2	85	-168	76	27	57
1985	114	0	10	12	4	98	-70	88	32	66
1986	62	0	7	6	4	51	-19	44	16	35
1987	31	0	6	3	4	23	4	17	6	17
1988	25	0	6	3	4	18	22	12	4	13
1989	22	0	5	2	4	16	38	11	4	12
1990	21	0	5	2	4	14	52	10	3	11
1991	19	0	4	2	4	13	66	9	3	10
1992	18	0	4	2	4	12	77	8	3	9
1993	17	0	4	2	4	11	88	7	2	8
1994	15	0	4	2	4	10	98	6	2	7
1995	14	0	3	2	4	9	106	5	2	7
1996	13	0	3	1	4	8	114	5	2	6
1997	12	0	3	1	4	7	121	4	1	5
1998	12	0	3	1	4	6	127	3	1	5
1999	11	0	2	1	4	5	132	3	1	4
2000	10	0	2	1	4	5	137	2	1	4
2001	9	0	2	1	4	4	141	2	1	3
2002	9	0	2	1	4	3	145	1	1	3
2003	8	0	2	1	4	3	148	1	0	3
TOTAL	538	252	86	56	82	148	0	147	53	94

PAYOUT DURING MONTH 11 OF YEAR 5

NORTHWEST PIPELINE RESERVOIR ENGINEERING SUMMARY @ 14.73 PSIA
SAN JUAN BASIN

API:30-039-23168-0000 SJ 30-5 UNIT #91 CMGD NP									
NEW MEXICO UNDESIGNATED MANCOS (GALLUP)									
NORTHWEST PIPELINE CORPORATION OPERATOR									
NWP SAN JUAN GATHERING SYSTEM									
I.D.DATE(MMDDYY):08/14/84									
MONTH	1971	1972	1973	1974	1975	1976	INITIAL MMCF:	0.000	BTU/GRV:
JAN	MCF	PSIG	DAYS	MCF	PSIG	DAYS	CUMULATIVE...	120.697	%CO2/MN2: 0.00/ 0.00
FEB	0	0	0.0	0	0	0.0	REMAINING...	-120.697	LSHD INTRST: 0.000000
MAR	0	0	0.0	0	0	0.0	R.L.RATIO...	0.0	CNTR INTRST: 0.000000
APR	0	0	0.0	0	0	0.0			
MAY	0	0	0.0	0	0	0.0			
JUN	0	0	0.0	0	0	0.0			
JUL	0	0	0.0	0	0	0.0			
AUG	0	0	0.0	0	0	0.0			
SEP	0	0	0.0	0	0	0.0			
OCT	0	0	0.0	0	0	0.0			
NOV	0	0	0.0	0	0	0.0			
DEC	0	0	0.0	0	0	0.0			
TOTALS	0	0	0	0	0	0			

1									
MONTH	1977	1978	1979	1980	1981	1982	MCF	PSIG	DAYS
JAN	MCF	PSIG	DAYS	MCF	PSIG	DAYS	0	0	0.0
FEB	0	0	0.0	0	0	0.0	0	0	0.0
MAR	0	0	0.0	0	0	0.0	0	0	0.0
APR	0	0	0.0	0	0	0.0	0	0	0.0
MAY	0	0	0.0	0	0	0.0	0	0	0.0
JUN	0	0	0.0	0	0	0.0	0	0	0.0
JUL	0	0	0.0	0	0	0.0	0	0	0.0
AUG	0	0	0.0	0	0	0.0	0	0	0.0
SEP	0	0	0.0	0	0	0.0	0	0	0.0
OCT	0	0	0.0	0	0	0.0	0	0	0.0
NOV	0	0	0.0	0	0	0.0	0	0	0.0
DEC	0	0	0.0	0	0	0.0	0	0	0.0
TOTALS	0	0	0	0	0	0	0	0	0

1983									
MONTH	1983	1984	1985	1986	1987	1988	MCF	PSIG	DAYS
JAN	MCF	PSIG	DAYS	MCF	PSIG	DAYS	2133	268	6.5
FEB	0	0	0.0	3822	245	7.3	1523	290	5.2
MAR	0	0	0.0	2284	291	5.9	1737	262	3.3
APR	0	0	0.0	2990	268	7.0	1920	258	3.0
MAY	0	0	0.0	2796	263	7.2	3241	310	5.0
JUN	0	0	0.0	1783	268	5.7	2369	293	7.1
JUL	0	0	0.0	2215	247	7.4	1804	311	6.8
AUG	0	0	0.0	429	223	1.3	1665	324	4.8
SEP	0	0	0.0	3465	310	7.1	2054	341	7.1
OCT	0	0	0.0	189	288	0.3	2148	314	7.2
NOV	0	0	0.0	13	289	0.0	2385	347	15.7
DEC	0	0	0.0	2366	281	7.1	886	324	2.3
TOTALS	0	0	0	22352	270	56	23945	303	74

1988									
MONTH	1988	1989	1990	1991	1992	1993	MCF	PSIG	DAYS
JAN	MCF	PSIG	DAYS	MCF	PSIG	DAYS	1669	312	5.6
FEB	0	0	0.0	1262	305	6.0	2419	296	6.0
MAR	0	0	0.0						
APR	0	0	0.0						
MAY	0	0	0.0						
JUN	0	0	0.0						
JUL	0	0	0.0						
AUG	0	0	0.0						
SEP	0	0	0.0						
OCT	0	0	0.0						
NOV	0	0	0.0						
DEC	0	0	0.0						
TOTALS	0	0	0	5350	304	18			

NORTHWEST PIPELINE CORPORATION
ONE OF THE WILLIAMS COMPANIES

650-88

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0899
801-584-7215

November 16, 1988

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87501

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

Re: San Juan 30-5 Unit #14-08-001-436
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL WELL
Gallup Formation

Gentlemen:

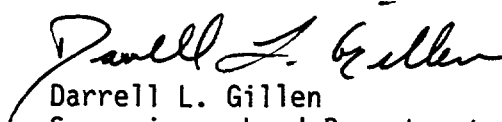
The Notice of Completion of Non-Commercial Well for the San Juan 30-5 Gallup Unit #91 filed by letter dated October 12, 1988, has been approved by the regulatory agencies as follows:

Bureau of Land Management	11/4/88
Oil Conservation Commission	10/20/88

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION


Darrell L. Gillen
Supervisor, Land Department

DLG:cg
Attachment

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission
November 16, 1988
Page 2

cc: Working Interest Owners
K. J. Stracke
W. S. West
L. G. Loving
C. N. Potter
R. L. Glenn
M. H. Johnson
R. P. Gregory
L. K. Leaver

AMOCO PRODUCTION COMPANY
SOUTHERN DIVISION, PRODUCTION MGR.
1670 BROADWAY
P.O. BOX 800
DENVER, CO 80201

ARAPAHOE DRILLING
P.O. BOX 26687
ALBUQUERQUE, NM 87125

EVELYN G. BROWN
C/O JAMES BROWN
14 ALPINE ROAD
GREENWICH, CT 06830

FLAG-REDFERN OIL COMPANY
P.O. BOX 11050
MIDLAND, TX 79702

H.O. & T.K. POOL TRUST
C/O FIRST INTERSTATE BANK OF ARIZONA
P.O. BOX 53435, DEPT. #962
PHOENIX, AZ 85072

JAY I. COHEN, TRUSTEE
ABERCROMBIE TRUST
10370 RICHMOND, SUITE 370
HOUSTON, TX 77042

KATHLEEN QUINN, PERSONAL REP.
OF THE ESTATE OF JOE QUINN
1031 LONGWOOD LOOP
MESA, AZ 85208

LANGDON D. HARRISON
7517 TAMARRON PLACE N.E.
ALBUQUERQUE, NM 87109

MAR OIL & GAS CORPORATION
ATTN: M. A. ROMERO
P.O. BOX 5155
SANTA FE, NM 87502

MAX B. ROTHOLZ
1323 N. FULTON
WHARTON, TX 77488

MERIDIAN OIL PRODUCTION INC.
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM 87401

PHILLIPS PETROLEUM COMPANY
ATTN: GARY KUSE
8055 E. TUFTS AVE. PKWY.
DENVER, CO 80237

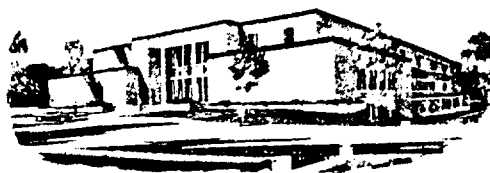
ROBERT TINNIN
P.O. BOX 1885
ALBUQUERQUE, NM 87103

RUTH ZIMMERMAN TRUST
842 MUIRLANDS VISTA WY.
LA JOLLA, CA 92037

TEXACO, INC.
OPERATIONS DIVISION
P.O. BOX 3109
MIDLAND, TX 79702

THOMAS A. & MARY E. DUGAN
P.O. BOX 208
FARMINGTON, NM 87499

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER

Commissioner of Public Lands

December 30, 1988

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

Northwest Pipeline Corporation
Attn: Mr. Darrell L. Gillen
P. O. Box 8900
Salt Lake City, UT 84108-0899

Re: San Juan 30-5 Unit
Rio Arriba County, NM
Notice of Completion of NC wells
Gallup Formation

Gentlemen:

This office is in receipt of your letter of October 12, 1988, and a copy of a letter from the Bureau of Land Management, advising this office that the San Juan 30-5 Gallup Unit Well No. 91, is not capable of producing unitized substances in paying quantities from the Gallup formation.

Please be advised that the Commissioner of Public Lands, concurs with the Bureau of Land Management, that the above well is non-commercial and should be produced on a lease basis.

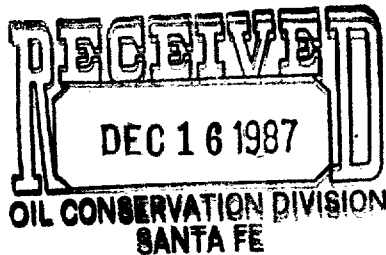
If we may be of further help please do not hesitate to call on us.

Very truly yours,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5744

WRH/FOP/pm
encls.
cc: OCD
BLM
OGAD



DEC 15 1987

San Juan 30-5 Unit
Mesaverde PA
3180 (G15)

Northwest Pipeline Corporation
ATTN: Darrell L. Gillen
P.O. Box 8900
Salt Lake City, Utah 84108-0900

Gentlemen:

We have received your letter of November 25, 1987 in which you requested approval of the thirty-first and thirty-second revisions to the Mesaverde Formation Participating Area in the San Juan 30-5 Unit, Rio Arriba County, New Mexico.

The thirty-first revision enlarges the Mesaverde Formation Participating Area 640.00 acres described as the E $\frac{1}{2}$ of Section 33 and the W $\frac{1}{2}$ of Section 34, T. 30 N., R. 5 W., NMPM. The revision is based on the completion of the San Juan 30-5 Unit Well Nos. 74 and 84. The thirty-first revision is approved this date and is effective November 1, 1981.

The thirty-second revision enlarges the Mesaverde Formation Participating Area 640.00 acres described as the E $\frac{1}{2}$ of Section 13 and the W $\frac{1}{2}$ of Section 14, T. 30 N., R. 5 W., NMPM. The revision is based on the completion of the San Juan 30-5 Unit Well No. 81. The thirty-second revision is approved this date and is effective October 1, 1985.

Copies of the approved request are being distributed to the appropriate Federal agencies and two copies are returned herewith.

If you have any questions, please contact Shirley Bryant at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vegeler

Assistant District Manager
Mineral Resources

cc:

NM-016 w/encl.

NMOCD w/o encl.

015:SBryant:ja:12/12/87:3739M

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0900
801-584-6669
801-584-7215

December 21, 1987

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107

State of New Mexico
Commissioner of Public Lands
ATTN: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87501

State of New Mexico
Oil Conservation Commission
ATTN: Mr. William J. LeMay
P.O. Box 2088
Santa Fe, NM 87501

RE: San Juan 30-5 Unit #14-08-001-346
Rio Arriba County, New Mexico

APPROVAL OF THE THIRTY-FIRST EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective November 1, 1981

APPROVAL OF THE THIRTY-SECOND EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective October 1, 1985

The referenced approvals of the Thirty-First and Thirty-Second Expanded Participating Areas in the San Juan 30-5 Mesaverde Unit have been approved by the Bureau of Land Management on December 15, 1987.

Bureau of Land Management
Commission of Public Lands
Oil Conservation Division
December 21, 1987
Page 2

Copies of this letter are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION



Darrell L. Gillen
Supervisor, Land/NGPA

DLG/cg

Attachments

cc: K. J. Stracke
W. O. Curtis
L. G. Loving
C. N. Potter
R. L. Glenn
M. H. Johnson
W. S. West
L. L. Fullmer
P. A. Rodgers

U56N2650
12/10/87

WORKING INTEREST OWNERS
SAN JUAN 30-5 UNIT MV

ARAPAHOE DRILLING
P.O. BOX 26687
ALBUQUERQUE, NM
87125

MAX B. ROTHOLZ
1323 N. FULTON
WHARTON, TX
77488

EVELYN G. BROWN
C/O JAMES BROWN
14 ALPINE ROAD
GREENWICH, CT
06830

MERIDIAN OIL PRODUCTION INC
LAND DEPARTMENT
P.O. BOX 4289
FARMINGTON, NM
87401

FLAG-REDFERN OIL COMPANY
P.O. BOX 1105D
MIDLAND, TX
79702

ROBERT TINNIN
P.O. BOX 1885
ALBUQUERQUE, NM
87103

H.O. & T.K. POOL TRUST
C/O FIRST INTERSTATE BANK OF ARIZONA
P.O. BOX 53435, DEPT. #962
PHOENIX, AZ
85072

RUTH ZIMMERMAN TRUST
842 MUIRLANDS VISTA WY.
LA JOLLA, CA
92037

JAY I. COHEN, TURSTEE
ABERCROMBIE TRUST
10370 RICHMOND - SUITE 370
HOUSTON, TX
77042

THOMAS A. & MARY E. DUGAN
P.O. BOX 208
FARMINGTON, NM
87499

KATHLEEN QUINN, PERSONAL REP.
OF THE ESTATE OF JOE QUINN
1031 LONGWOOD LOOP
MESA, AZ
85208

LANGDON D. HARRISON
7517 TAMARRON PLACE N.E.
ALBUQUERQUE, NM
87109

MAR OIL & GAS CORPORATION
ATTN: M. A. ROMERO
P.O. BOX 5155
SANTA FE, NM
87502

LAND DEPARTMENT

P.O. BOX 8900
SALT LAKE CITY, UTAH 84108-0900
801-584-6669
801-584-7215

November 25, 1987

Assistant District Manager, Minerals
Bureau of Land Management
425 Montano, N.E.
Albuquerque, NM 87107

State of New Mexico
Commissioner of Public Lands
ATTN: Mr. Floyd O. Prando
P.O. Box 1148
Santa Fe, NM 87501

State of New Mexico
Oil Conservation Division
ATTN: Mr. William J. LeMay
P.O. Box 2088
Santa Fe, NM 87501

RE: San Juan 30-5 Unit #14-08-001-346
Rio Arriba County, New Mexico

APPLICATION FOR APPROVAL OF THE THIRTY-FIRST EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective November 1, 1981

APPLICATION FOR APPROVAL OF THE THIRTY-SECOND EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective October 1, 1985

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 30-5 Unit Agreement #14-08-001-346, approved November 7, 1952, Northwest Pipeline Corporation, as Unit Operator, hereby respectfully requests approval of the Thirty-First and Thirty-Second Expanded Participating Areas for the Mesaverde formation.

These proposed revisions of the participating area for the Mesaverde formation are predicated upon the determination by Northwest Pipeline Corporation, as Unit Operator, that the following San Juan 30-5 Unit Mesaverde wells, which were completed outside the limits of the existing Mesaverde Participating Area, are capable of producing unitized substances in paying quantities for the Mesaverde formation.

THIRTY-FIRST EXPANDED PARTICIPATING AREA - EFFECTIVE NOVEMBER 1, 1981

<u>Description of Land</u>	<u>No. of Acres</u>
<u>Township 30 North, Range 5 West, N.M.P.M.</u>	640.00
Section 33: E/2 (Brought in as an intervening drilling block)	
Section 34: W/2	

The well data is as follows:

The San Juan 30-5 Unit #74 well is located 1980 feet from the south line and 2100 feet from the west line, Section 34, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 27, 1981. The Mesaverde formation was completed on October 12, 1981. The Mesaverde formation was perforated between the following depths:

5713' - 6098'

A total of 24 holes were shot.

These perforations were treated with 10,000 gallons pad water followed by 80,000 pounds of 20/40 sand. The well was tested on October 12, 1981 using a positive choke in a three hour test. The well was tested at a 1882 MCFD flow rate with a calculated AOF of 1985 MCFD. The ISIP was measured at 1154 psig.

The San Juan 30-5 Unit #84 well is located 1840 feet from the south line and 1730 feet from the east line, Section 33, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on August 28, 1982. The Mesaverde formation was completed on October 8, 1982. The Mesaverde formation was perforated at the following depths:

5542', 5558', 5606', 5628', 5636', 5644', 5652', 5676', 5740', 5750', 5758', 5840', 5844', 5848', 5852', 5856', 5860', 5864', 5868', 5872', 5876', 5880', 5884', 5888', 5902', 5908', 5914', 5920', 5927', 5940'

A total of 30 holes were shot.

These perforations were treated with 118,270 gallons pad water followed by 100,000 pounds of 20/40 sand. The well was tested on October 21, 1982 using a positive choke in a three hour test. The well was tested at a 3360 MCFD flow rate with a calculated AOF of 4076 MCFD. The ISIP was measured at 1121 psig.

This well was drilled on the intervening drilling block in the E/2 Section 33, which was created by completion of Well #74 located in the W/2 Section 34.

THIRTY-SECOND EXPANDED PARTICIPATING AREA EFFECTIVE OCTOBER 1, 1985

<u>Description of Land</u>	<u>No. of Acres</u>
<u>Township 30 North, Range 5 West, N.M.P.M.</u>	640.00
Section 15: E/2	
Section 14: W/2 (Brought in as an intervening drilling block)	

The well data is as follows:

The San Juan 30-5 Unit #61 well is located 1130 feet from the north line and 960 feet from the east line, Section 15, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 29, 1985 and completed in the Mesaverde formation on September 5, 1985. The plug back depth is 5825'. The Mesaverde formation was perforated at the following depths:

5391', 5408', 5413', 5437', 5452', 5463', 5481', 5484', 5514', 5526',
5557', 5588', 5591', 5594', 5597', 5600', 5603', 5606', 5633', 5656',
5659', 5662', 5665', 5668', 5685', 5694', 5710', 5720', 5723', 5726'

A total of 30 holes were shot.

The Mesaverde formation was hydraulically fractured with 2390 barrels of treated fluid carrying 90,000 pounds of 20/40 sand. The well was tested on September 24, 1985 for 3 hours using a positive choke. During the test the well produced 618 MCFD of gas flowing at a rate of 4945 MCFD, with a calculated AOF of 9327 MCFD. The shut-in pressure prior to the test was 1195 psig.

Attached are Schedules XXXII and XXXIII along with the ownership maps showing the Thirty-First and Thirty-Second Expanded Participating Areas for the Mesaverde formation of the San Juan 30-5 Unit Area. The Schedules describe the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor and, in the absence of disapproval, the Thirty-First Expansion will become effective November 1, 1981 and the Thirty-Second will become effective October 1, 1985.

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division
November 25, 1987
Page 4

Copies of this letter and schedules are being sent to the Working Interest Owners shown on the attached sheet.

Sincerely,

NORTHWEST PIPELINE CORPORATION



Darrell L. Gillen,
Supervisor, Land/NGPA

DLG/cg

Enclosures

cc: Working Interest Owners

K. J. Stracke

W. O. Curtis

W. S. West

L. G. Loving

C. N. Potter

R. L. Glenn

M. H. Johnson

R. P. Gregory

N. K. Zunino

WORKING INTEREST OWNERS
SAN JUAN 30-5 UNIT MV

Evelyn G. Brown
c/o James Brown
14 Alpine Road
Greenwich, CT 06830

Thomas A. & Mary E. Dugan
P.O. Box 208
Farmington, NM 87499

Flag-Redfern Oil Company
P.O. Box 11050
Midland, TX 79702

Ruth Zimmerman Trust
842 Muirlands Vista Wy.
La Jolla, CA 92037

H.O. & T.K. Pool Trust
c/o First Interstate Bank of Arizona
P.O. Box 53435 #962
Phoenix, AZ 85072

Arapahoe Drilling
P.O. Box 26687
Albuquerque, NM 87125

Jay I. Cohen, Trustee
Abercrombie Trust
10370 Richmond, Suite 370
Houston, TX 77042

Kathleen Quinn, Personal Rep.
of the Estate of Joe Quinn
1031 Longwood Loop
Mesa, AZ 85208

Langdon D. Harrison
7517 Tammarron Place, N.E.
Albuquerque, NM 87109

MAR Oil & Gas Corporation
Attn: M. A. Romero
P.O. Box 5155
Santa Fe, NM 87502

Max B. Rotholz
1323 North Fulton
Wharton, TX 77488

Meridian Oil Production Inc.
Land Department
P. O. Box 4289
Farmington, NM 87401

Robert P. Tinnin
P.O. Box 1885
Albuquerque, NM 87103

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 1</u>						
NM-012331	<u>T-30-N, R-5-W</u> Sec. 31: N/2	320.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	2.050295%
<u>TRACT 2</u>						
NM-012332	<u>T-30-N, R-5-W</u> Sec. 34: W/2 Sec. 35: E/2	640.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 83.000000% 4.500000% <u>100.000000%</u>	12.500000% 83.000000% 4.500000% <u>100.000000%</u>	4.100590%
<u>TRACT 3</u>						
SF-078738	<u>T-30-N, R-5-W</u> Sec. 23: A11 Sec. 25: W/2 Sec. 26: NE/4SW/4, E/2 Sec. 27: SW/4, E/2NW/4, NE/4, NW/4SE/4, S/2SE/4	1,840.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	11.789196%
<u>TRACT 3-A</u>						
SF-078738	<u>T-30-N, R-5-W</u> Sec. 26: NW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 84.000000% 3.500000% <u>100.000000%</u>	12.500000% 84.000000% 3.500000% <u>100.000000%</u>	1.025148%
<u>TRACT 4</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 21: SW/4, E/2 Sec. 22: E/2	800.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	5.125737%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 4-A</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 22: W/2	320.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	2.050295%
<u>TRACT 4-B</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 33: All	640.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 86.000000% 1.500000% <u>100.000000%</u>	12.500000% 86.000000% 1.500000% <u>100.000000%</u>	4.100590%
<u>TRACT 4-C</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 28: S/2, NW/4, W/2NE/4	560.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 86.500000% 1.000000% <u>100.000000%</u>	12.500000% 86.500000% 1.000000% <u>100.000000%</u>	3.588016%
<u>TRACT 5</u>						
SF-078740	<u>T-30-N, R-5-W</u> Sec. 19: E/2 Sec. 20: All Sec. 29: N/2NW/4, SW/4NW/4	1,080.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	6.919745%
<u>TRACT 5-A</u>						
SF-078740	<u>T-30-N, R-5-W</u> Sec. 29: S/2, SE/4NW/4, W/2NE/4, SE/4NE/4 Sec. 30: E/2	800.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 83.000000% 4.500000% <u>100.000000%</u>	12.500000% 83.000000% 4.500000% <u>100.000000%</u>	5.125737%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 5-8</u>						
SF-078740	<u>T-30-N, R-5-W</u> Sec. 30: W/2	320.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	2.050295%
<u>TRACT 6</u>						
SF-078994	<u>T-30-N, R-5-W</u> Sec. 15: SW/4, SW/4NW/4 Sec. 17: SW/4, S/2NW/4 Sec. 18: All	1,080.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	6.919745%
<u>TRACT 7</u>						
SF-078997	<u>T-30-N, R-5-W</u> Sec. 6: S/2SE/4, SE/4SW/4 Sec. 7: N/2, N/2SE/4, SE/4SE/4, NW/4SW/4 Sec. 8: NW/4, N/2SW/4 Sec. 9: W/2 Sec. 15: E/2NW/4, NW/4NW/4	1,280.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	8.201180%
<u>TRACT 11</u>						
SF-080066	<u>T-30-N, R-5-W</u> Sec. 5: Lots 5, 6, 7, 8, S/2N/2, S/2 Sec. 6: Lots 8, 9, 10, 11, S/2N/2, N/2S/2, SW/4SW/4	1,158.12	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	7.420273%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 12</u>						
NM-012335	<u>T-30-N, R-5-W</u> Sec. 31: S/2	320.00	Royalty	12.500000%	12.500000%	2.050295%
			Working Interest Owner			
			Northwest Pipeline Corp.	82.500000%	82.500000%	
			ORRI	<u>5.000000%</u>	<u>5.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 14</u>						
SF-080537	<u>T-30-N, R-5-W</u> Sec. 24: W/2	320.00	Royalty	12.500000%	12.500000%	2.050295%
			Working Interest Owner			
			J. I. Cohen	1.914063%	1.914063%	
			Thomas & Mary Dugan	1.914063%	1.914063%	
			Flag Redfern	1.914063%	1.914063%	
			Langdon D. Harrison	1.435547%	1.435547%	
			MAR Oil & Gas Corp.	2.734375%	2.734375%	
			N. O. & Thelma Pool	3.828123%	3.828123%	
			Kathleen Quinn	1.276041%	1.276041%	
			Max Rotholz	1.914063%	1.914063%	
			Robert P. Tinnin	.478516%	.478516%	
			Algernon Brown	3.828125%	3.828125%	
			Ruth Zimmerman	.638021%	.638021%	
			EPNG	65.625000%	65.625000%	
			ORRI	<u>0.000000%</u>	<u>0.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 15</u>						
SF-080538	<u>T-30-N, R-5-W</u> Sec. 11: E/2 Sec. 14: E/2	640.00	Royalty	12.500000%	12.500000%	4.100590%
			Working Interest Owner			
			J. I. Cohen	1.914063%	1.914063%	
			Thomas & Mary Dugan	1.914063%	1.914063%	
			Flag Redfern	1.914063%	1.914063%	
			Langdon D. Harrison	1.435547%	1.435547%	
			MAR Oil & Gas Corp.	2.734375%	2.734375%	
			N. O. & Thelma Pool	3.828123%	3.828123%	
			Kathleen Quinn	1.276041%	1.276041%	
			Max Rotholz	1.914063%	1.914063%	
			Robert P. Tinnin	.478516%	.478516%	
			Algernon Brown	3.828125%	3.828125%	
			Ruth Zimmerman	.638021%	.638021%	
			EPNG	65.625000%	65.625000%	
			ORRI	<u>0.000000%</u>	<u>0.000000%</u>	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 15-A</u>						
SF-080538	<u>T-30-N, R-5-W</u> Sec. 12: Lots 1, 2, SW/4NE/4	68.63	Royalty Working Interest Owner Coastline Petroleum Co. Inc. (by virtue of Farmout from El Paso Natural Gas Co.) ORRI Total	12.500000% 81.125000% 6.375000% <u>100.000000%</u>	12.500000% 81.125000% 6.375000% <u>100.000000%</u>	0.439724%
<u>TRACT 17</u>						
E-347-41	<u>T-30-N, R-5-W</u> Sec. 16: NE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 17-A</u>						
E-347-40	<u>T-30-N, R-5-W</u> Sec. 16: N/2NW/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.750000% 4.750000% <u>100.000000%</u>	12.500000% 82.750000% 4.750000% <u>100.000000%</u>	0.512574%
<u>TRACT 17-B</u>						
E-347-36	<u>T-30-N, R-5-W</u> Sec. 32: NW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 17-C</u>						
E-347-37	<u>T-30-N, R-5-W</u> Sec. 32: NE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 85.500000% 2.000000% <u>100.000000%</u>	12.500000% 85.500000% 2.000000% <u>100.000000%</u>	1.025148%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 17-D</u>						
E-347-40	T-30-N, R-5-W Sec. 16: S/2NW/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	0.512574%
<u>TRACT 17-D-1</u>						
E-347-17	T-30-N, R-5-W Sec. 36: NW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 17-E</u>						
E-347-38	T-30-N, R-5-W Sec. 36: SW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	1.025148%
<u>TRACT 17-F</u>						
E-347-39	T-30-N, R-5-W Sec. 16: S/2 Sec. 32: S/2 Sec. 36: Lots 1, 2, 3, 4, W/2E/2	860.76	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	5.515037%
<u>TRACT 18</u>						
Fee	T-30-N, R-5-W Sec. 8: E/2	320.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	2.050295%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 19</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 7: S/2SW/4, NE/4SW/4, SW/4SE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 20</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 17: NE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 21</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 17: SE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 22</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 21: NW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 23</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 27: W/2NW/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	0.512574%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 23-A</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 28: E/2NE/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	0.512574%
<u>TRACT 24</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 26: W/2SW/4, SE/4SW/4 Sec. 27: NE/4SE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	1.025148%
<u>TRACT 25</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 8: S/2SW/4 Sec. 17: N/2NW/4 (except 4.00 acres)	156.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	0.999518%
<u>TRACT 25-A</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 17: A tract of land 1200' long by 450' wide lying in the NW/4 of Sec. 17	4.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	0.025628%

SCHEDULE XXXII
THIRTY-FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

RECAPITULATION

Description of lands in Mesaverde Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 16, 17, 18, 20, 21, 22,

23, 26, 27, 28, 30, 31, 32, 33, 36: All

Sections 9, 15, 24, 25, 34: W/2

Sections 11, 14, 19, 35: E/2

Section 12: Lots 1, 2, SW/4NE/4

Section 29: W/2, SE/4, NW/4NE/4, S/2NE/4

Total Number of Acres in Participating Area: 15,607.51

Total Number of Acres Committed to Participating Area: 15,607.51

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 1</u>						
NM-012331	<u>T-30-N, R-5-W</u> Sec. 31: N/2	320.00	Royalty	12.500000%	12.500000%	1.969533%
			Working Interest Owner			
			Northwest Pipeline Corp.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 2</u>						
NM-012332	<u>T-30-N, R-5-W</u> Sec. 34: W/2 Sec. 35: E/2	640.00	Royalty	12.500000%	12.500000%	3.939065%
			Working Interest Owner			
			Northwest Pipeline Corp.	83.000000%	83.000000%	
			ORRI	4.500000%	4.500000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 3</u>						
SF-078738	<u>T-30-N, R-5-W</u> Sec. 23: All Sec. 25: W/2 Sec. 26: NE/4SW/4, E/2 Sec. 27: SW/4, E/2NW/4, NE/4, NW/4SE/4, S/2SE/4	1,840.00	Royalty	12.500000%	12.500000%	11.324812%
			Working Interest Owner			
			Northwest Pipeline Corp.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 3-A</u>						
SF-078738	<u>T-30-N, R-5-W</u> Sec. 26: NW/4	160.00	Royalty	12.500000%	12.500000%	.984766%
			Working Interest Owner			
			Northwest Pipeline Corp.	84.000000%	84.000000%	
			ORRI	3.500000%	3.500000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 4</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 21: SW/4, E/2 Sec. 22: E/2	800.00	Royalty	12.500000%	12.500000%	4.923832%
			Working Interest Owner			
			Northwest Pipeline Corp.	84.500000%	84.500000%	
			ORRI	3.000000%	3.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 4-A</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 22: W/2	320.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	1.969533%
<u>TRACT 4-B</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 33: All	640.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 86.000000% 1.500000% <u>100.000000%</u>	12.500000% 86.000000% 1.500000% <u>100.000000%</u>	3.939065%
<u>TRACT 4-C</u>						
SF-078739	<u>T-30-N, R-5-W</u> Sec. 28: S/2, NW/4, W/2NE/4	560.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 86.500000% 1.000000% <u>100.000000%</u>	12.500000% 86.500000% 1.000000% <u>100.000000%</u>	3.446682%
<u>TRACT 5</u>						
SF-078740	<u>T-30-N, R-5-W</u> Sec. 19: E/2 Sec. 20: All Sec. 29: N/2NW/4, SW/4NW/4	1,080.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	6.647172%
<u>TRACT 5-A</u>						
SF-078740	<u>T-30-N, R-5-W</u> Sec. 29: S/2, SE/4NW/4, W/2NE/4, SE/4NE/4 Sec. 30: E/2	800.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 83.000000% 4.500000% <u>100.000000%</u>	12.500000% 83.000000% 4.500000% <u>100.000000%</u>	4.923832%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 5-B</u>						
SF-078740	T-30-N, R-5-W Sec. 30: W/2	320.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	12.500000% 84.500000% 3.000000% <u>100.000000%</u>	1.969533%
<u>TRACT 6</u>						
SF-078994	T-30-N, R-5-W Sec. 15: SW/4, SW/4NW/4 Sec. 17: SW/4, S/2NW/4 Sec. 18: All	1,080.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	6.647172%
<u>TRACT 7</u>						
SF-078997	T-30-N, R-5-W Sec. 6: S/2SE/4, SE/4SW/4 Sec. 7: N/2, N/2SE/4, SE/4SE/4, NW/4SW/4 Sec. 8: NW/4, N/2SW/4 Sec. 9: W/2 Sec. 15: E/2NW/4, NW/4NW/4, E/2	1,600.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	9.847663%
<u>TRACT 11</u>						
SF-080066	T-30-N, R-5-W Sec. 5: Lots 5, 6, 7, 8, S/2N/2, S/2 Sec. 6: Lots 8, 9, 10, 11, S/2N/2, N/2S/2, SW/4SW/4	1,158.12	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	7.127985%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 12</u>						
NM-012335	<u>T-30-N, R-5-W</u> Sec. 31: S/2	320.00	Royalty	12.500000%	12.500000%	1.969533%
			Working Interest Owner			
			Northwest Pipeline Corp.	82.500000%	82.500000%	
			ORRI	5.000000%	5.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 14</u>						
SF-080537	<u>T-30-N, R-5-W</u> Sec. 24: W/2	320.00	Royalty	12.500000%	12.500000%	1.969533%
			Working Interest Owner			
			J. I. Cohen	1.914063%	1.914063%	
			Thomas & Mary Dugan	1.914063%	1.914063%	
			Flag Redfern	1.914063%	1.914063%	
			Langdon D. Harrison	1.435547%	1.435547%	
			MAR Oil & Gas Corp.	2.734375%	2.734375%	
			N. O. & Thelma Pool	3.828123%	3.828123%	
			Kathleen Quinn	1.276041%	1.276041%	
			Max Rotholz	1.914063%	1.914063%	
			Robert P. Tinnin	.478516%	.478516%	
			Algernon Brown	3.828125%	3.828125%	
			Ruth Zimmerman	.638021%	.638021%	
			EPNG	65.625000%	65.625000%	
			ORRI	0.000000%	0.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	
<u>TRACT 15</u>						
SF-080538	<u>T-30-N, R-5-W</u> Sec. 11: E/2 Sec. 14: All	960.00	Royalty	12.500000%	12.500000%	5.908598%
			Working Interest Owner			
			J. I. Cohen	1.914063%	1.914063%	
			Thomas & Mary Dugan	1.914063%	1.914063%	
			Flag Redfern	1.914063%	1.914063%	
			Langdon D. Harrison	1.435547%	1.435547%	
			MAR Oil & Gas Corp.	2.734375%	2.734375%	
			N. O. & Thelma Pool	3.828123%	3.828123%	
			Kathleen Quinn	1.276041%	1.276041%	
			Max Rotholz	1.914063%	1.914063%	
			Robert P. Tinnin	.478516%	.478516%	
			Algernon Brown	3.828125%	3.828125%	
			Ruth Zimmerman	.638021%	.638021%	
			EPNG	65.625000%	65.625000%	
			ORRI	0.000000%	0.000000%	
			Total	<u>100.000000%</u>	<u>100.000000%</u>	

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 15-A</u>						
SF-080538	<u>T-30-N, R-5-W</u> Sec. 12: Lots 1, 2, SW/4NE/4	68.63	Royalty Working Interest Owner Coastline Petroleum Co. Inc. (by virtue of Farmout from El Paso Natural Gas Co.) ORRI Total	12.500000% <u>81.125000%</u> <u>6.375000%</u> <u>100.000000%</u>	12.500000% <u>81.125000%</u> <u>6.375000%</u> <u>100.000000%</u>	.422403%
<u>TRACT 17</u>						
E-347-41	<u>T-30-N, R-5-W</u> Sec. 16: NE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% <u>87.500000%</u> <u>0.000000%</u> <u>100.000000%</u>	12.500000% <u>87.500000%</u> <u>0.000000%</u> <u>100.000000%</u>	.984766%
<u>TRACT 17-A</u>						
E-347-40	<u>T-30-N, R-5-W</u> Sec. 16: N/2NW/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% <u>82.750000%</u> <u>4.750000%</u> <u>100.000000%</u>	12.500000% <u>82.750000%</u> <u>4.750000%</u> <u>100.000000%</u>	.492383%
<u>TRACT 17-B</u>						
E-347-36	<u>T-30-N, R-5-W</u> Sec. 32: NW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% <u>82.500000%</u> <u>5.000000%</u> <u>100.000000%</u>	12.500000% <u>82.500000%</u> <u>5.000000%</u> <u>100.000000%</u>	.984766%
<u>TRACT 17-C</u>						
E-347-37	<u>T-30-N, R-5-W</u> Sec. 32: NE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% <u>85.500000%</u> <u>2.000000%</u> <u>100.000000%</u>	12.500000% <u>85.500000%</u> <u>2.000000%</u> <u>100.000000%</u>	.984766%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 17-D</u>						
E-347-40	<u>T-30-N, R-5-W</u> Sec. 16: S/2NW/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	.492383%
<u>TRACT 17-D-1</u>						
E-347-17	<u>T-30-N, R-5-W</u> Sec. 36: NW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	.984766%
<u>TRACT 17-E</u>						
E-347-38	<u>T-30-N, R-5-W</u> Sec. 36: SW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	12.500000% 85.000000% 2.500000% <u>100.000000%</u>	.984766%
<u>TRACT 17-F</u>						
E-347-39	<u>T-30-N, R-5-W</u> Sec. 16: S/2 Sec. 32: S/2 Sec. 36: Lots 1, 2, 3, 4, W/2E/2	860.76	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	12.500000% 82.500000% 5.000000% <u>100.000000%</u>	5.297796%
<u>TRACT 18</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 8: E/2	320.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	1.969533%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 19</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 7: S/2SW/4, NE/4SW/4, SW/4SE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.984766%
<u>TRACT 20</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 17: NE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.984766%
<u>TRACT 21</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 17: SE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.984766%
<u>TRACT 22</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 21: NW/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.984766%
<u>TRACT 23</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 27: W/2NW/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.492383%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 23-A</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 28: E/2NE/4	80.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.492383%
<u>TRACT 24</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 26: W/2SW/4, SE/4SW/4 Sec. 27: NE/4SE/4	160.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.984766%
<u>TRACT 25</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 8: S/2SW/4 Sec. 17: N/2NW/4 (except 4.00 acres)	156.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.960148%
<u>TRACT 25-A</u>						
Fee	<u>T-30-N, R-5-W</u> Sec. 17: A tract of land 1200' long by 450' wide lying in the NW/4 of Sec. 17	4.00	Royalty Working Interest Owner Northwest Pipeline Corp. ORRI Total	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	12.500000% 87.500000% 0.000000% <u>100.000000%</u>	.024619%

SCHEDULE XXXIII
THIRTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 30-5 UNIT AREA

R E C A P I T U L A T I O N

Description of lands in Mesaverde Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

Sections 5, 6, 7, 8, 14, 15, 16, 17, 18, 20, 21, 22,
23, 26, 27, 28, 30, 31, 32, 33, 36: All

Sections 9, 24, 25, 34: W/2

Sections 11, 19, 35: E/2

Section 12: Lots 1, 2, SW/4NE/4

Section 29: W/2, SE/4, NW/4NE/4, S/2NE/4

Total Number of Acres in Participating Area: 16,247.51

Total Number of Acres Committed to Participating Area: 16,247.51

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SAN JUAN 30-5 MV UNIT #74 COMMERCIALITY

THU OCTOBER 8, 1987
10:17:38 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	
UNIT OF PRODUCTION DEPRECIATION			

GAS PRODUCTION FROM SAN JUAN 30-5 #74

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	10.4	OPERATING COSTS (\$/MO).....	350.0
MONTH OF CAPITAL EXPENSE....	7	OPERATING COSTS (% OF PROD).	0.0
DRILLING COSTS (\$1000).....	238.3	TANGIBLE \$ (% OF DRILLING \$)	33.1
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
17	287.0	83.6	100.0	24
24	100.0	7.2	71.0	79
79	71.0	6.8	25.0	257
257	25.0	100.0	0.0	258

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1981	3.10	0	0.	0.	0.
1982	3.10	120	43751.	5469.	119.
1983	2.41	96	35084.	4386.	74.
1984	2.50	89	32558.	4070.	71.
1985	2.54	83	30214.	3777.	67.
1986	2.07	77	28038.	3505.	51.
1987	2.15	71	26031.	3254.	49.
1988	2.15	66	24247.	3031.	46.
1989	2.15	62	22599.	2825.	43.
1990	2.15	58	21063.	2633.	40.
1991	2.15	54	19632.	2454.	37.
1992	2.15	50	18298.	2287.	34.
1993	2.15	47	17055.	2132.	32.
1994	2.15	44	15896.	1987.	30.
1995	2.15	41	14816.	1852.	28.
1996	2.15	38	13809.	1726.	26.
1997	2.15	35	12871.	1609.	24.
1998	2.15	33	11996.	1500.	23.
1999	2.15	31	11181.	1398.	21.
2000	2.15	29	10421.	1303.	20.
2001	2.15	27	9713.	1214.	18.
TOTAL.....			419267.	52409.	852.

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SAN JUAN 30-5 MV UNIT #74 COMMERCIALITY

THU OCTOBER 8, 1987
10:17:38 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	

UNIT OF PRODUCTION DEPRECIATION

DISCOUNT	*****PRESENT VALUE*****	DISCOUNTED PROFIT TO**
RATE**	** \$1000 *****	***INVESTMENT RATIO***
*** % **	BEFORE TAX AFTER TAX	BEFORE TAX AFTER TAX
23.6	0.	0.00
19.7	0.	
15.0	70. 29.	0.29

RATE OF RETURN B.T.
0.0 RATE OF RETURN A.T.
0.12

YEAR	INCOME *\$1000 **NET*	***PROJECT EXPENSES IN \$1000*	AD.V.	SEV. PROD. COSTS	*****CASH FLOW ANALYSIS IN \$1000*****	**CUM	TAXED INCOME	INCOME TAXES	AFTER TAXES	
	*****	***** CAPI-*****	***** DEPR. *****	***** TAXES *****	***** BEFORE TAXES *****	***** BEFORE TAXES *****	***** TAXED INCOME *****	***** INCOME TAXES *****	***** AFTER TAXES *****	
1981	0	238	0	0	-238	-238	-159	-57	-181	
1982	119	0	8	12	104	-135	95	34	69	
1983	74	0	7	8	62	-73	55	20	42	
1984	71	0	6	7	60	-13	54	19	40	
1985	67	0	6	7	56	43	50	18	38	
1986	51	0	5	5	41	84	36	13	28	
1987	49	0	5	5	40	124	35	13	27	
1988	46	0	5	5	37	161	32	12	25	
1989	43	0	4	4	34	194	30	11	23	
1990	40	0	4	4	31	226	27	10	21	
1991	37	0	4	4	29	255	25	9	20	
1992	34	0	3	4	27	281	23	8	18	
1993	32	0	3	3	25	306	21	8	17	
1994	30	0	3	3	23	328	20	7	16	
1995	28	0	3	3	21	349	18	6	14	
1996	26	0	3	3	19	368	16	6	13	
1997	24	0	2	3	17	386	15	5	12	
1998	23	0	2	2	16	402	14	5	11	
1999	21	0	2	2	15	416	13	5	10	
2000	20	0	2	2	13	430	11	4	9	
2001	18	0	2	2	12	442	10	4	8	
TOTAL	852	238	79	89	83	442	0	442	159	283

PAYOUT DURING MONTH 3 OF YEAR 5

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SAN JUAN 30-5 MV UNIT #84 COMMERCIALITY

THU OCTOBER 8, 1987
10:32:17 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	
UNIT OF PRODUCTION DEPRECIATION			

GAS PRODUCTION FROM SAN JUAN 30-5 #84

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	10.4	OPERATING COSTS (\$/MO).....	350.0
MONTH OF CAPITAL EXPENSE....	9	OPERATING COSTS (% OF PROD).	0.0
DRILLING COSTS (\$1000).....	223.7	TANGIBLE \$ (% OF DRILLING \$)	39.3
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
18	480.0	55.3	300.0	25
25	300.0	8.5	220.0	67
67	220.0	7.0	70.0	257
257	70.0	100.0	0.0	258

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1982	3.10	0	0.	0.	0.
1983	3.10	231	84368.	10546.	229.
1984	2.41	288	105248.	13156.	222.
1985	2.50	264	96322.	12040.	211.
1986	2.54	241	88154.	11019.	196.
1987	2.07	221	80811.	10101.	147.
1988	2.19	205	74990.	9374.	144.
1989	2.19	191	69758.	8720.	134.
1990	2.19	178	64891.	8111.	124.
1991	2.19	165	60364.	7545.	116.
1992	2.19	154	56152.	7019.	108.
1993	2.19	143	52234.	6529.	100.
1994	2.19	133	48590.	6074.	93.
1995	2.19	124	45200.	5650.	87.
1996	2.19	115	42046.	5256.	81.
1997	2.19	107	39112.	4889.	75.
1998	2.19	100	36384.	4548.	70.
1999	2.19	93	33845.	4231.	65.
2000	2.19	86	31484.	3935.	60.
2001	2.19	80	29287.	3661.	56.
2002	2.19	75	27244.	3405.	52.
TOTAL.....			1166455.	145805.	2368.

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SAN JUAN 30-5 MV UNIT #84 COMMERCIALITY

THU OCTOBER 8, 1987
10:32:17 AM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	

UNIT OF PRODUCTION DEPRECIATION

DISCOUNT	*****PRESENT VALUE*****	DISCOUNTED PROFIT TO**
RATE**	** \$1000 *****	***INVESTMENT RATIO***
*** % **	BEFORE TAX AFTER TAX	BEFORE TAX AFTER TAX
93.2	0.	0.00
75.8	0.	0.0
15.0	612.	375.
		2.73
		1.67

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*				****CASH FLOW ANALYSIS IN \$1000****				
	\$1000	***	*****	AD.V.	*****	*****	**CUM	*****	*****	*****
	NET*	CAPI-	***	SEV.	PROD.	BEFORE	BEFORE	TAXED	INCOME	AFTER
	*****	*TAL*	DEPR.	TAXES	COSTS	*TAXES	TAXES	INCOME	TAXES	TAXES
1982	0	224	0	0	0	-224	-224	-136	-49	-175
1983	229	0	6	24	2	203	-21	196	71	132
1984	222	0	8	23	4	194	173	187	67	127
1985	211	0	7	22	4	185	358	177	64	121
1986	196	0	7	20	4	171	529	165	59	112
1987	147	0	6	15	4	127	657	121	44	84
1988	144	0	6	15	4	125	781	119	43	82
1989	134	0	5	14	4	116	897	110	40	76
1990	124	0	5	13	4	107	1004	102	37	70
1991	116	0	5	12	4	99	1103	95	34	65
1992	108	0	4	11	4	92	1196	88	32	61
1993	100	0	4	10	4	85	1281	82	29	56
1994	93	0	4	10	4	79	1360	76	27	52
1995	87	0	3	9	4	73	1434	70	25	48
1996	81	0	3	8	4	68	1502	65	23	45
1997	75	0	3	8	4	63	1565	60	22	41
1998	70	0	3	7	4	58	1623	56	20	38
1999	65	0	3	7	4	54	1677	51	18	35
2000	60	0	2	6	4	50	1727	47	17	33
2001	56	0	2	6	4	46	1773	44	16	30
2002	52	0	2	5	4	43	1815	40	15	28
TOTAL	2368	224	88	246	82	1815	0	1815	654	1162

PAYOUT DURING MONTH 2 OF YEAR 3

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SJU 30-5 #61 MV

WED OCTOBER 28, 1987
4:52:51 PM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	

UNIT OF PRODUCTION DEPRECIATION

GAS PRODUCTION FROM SJU 30-5 #61 MV

LAND OWNER ROYALTY.....%	12.5	OVERRIDING ROYALTY.....	0.0
AD VALOREM AND SEV TAXES...%	10.4	OPERATING COSTS (\$/MO).....	363.0
MONTH OF CAPITAL EXPENSE....	8	OPERATING COSTS (% OF PROD).	0.0
DRILLING COSTS (\$1000).....	269.1	TANGIBLE \$ (% OF DRILLING \$)	33.3
SALVAGE VALUE (\$1000).....	0.0		

INITIAL MONTH	MCF/D	% DECLINE	TO MCF/D	ENDING MONTH
16	1000.0	95.0	368.0	20
20	368.0	39.9	262.0	28
28	262.0	9.9	127.0	111
111	127.0	7.0	53.0	256
256	53.0	100.0	0.0	257

YEAR	BEG. YR \$/ MCF	AVG MCF/D	ANNUAL MCF	ROYALTY MCF	REVENUE AFTER ROYALTY \$1000
1985	2.30	0	0.	0.	0.
1986	2.30	379	138527.	17316.	279.
1987	2.30	261	95388.	11923.	192.
1988	2.30	231	84362.	10545.	170.
1989	2.30	208	75976.	9497.	153.
1990	2.30	187	68424.	8553.	138.
1991	2.30	169	61622.	7703.	124.
1992	2.30	152	55497.	6937.	112.
1993	2.30	137	49980.	6248.	101.
1994	2.30	124	45460.	5682.	91.
1995	2.30	116	42259.	5282.	85.
1996	2.30	108	39310.	4914.	79.
1997	2.30	100	36568.	4571.	74.
1998	2.30	93	34016.	4252.	68.
1999	2.30	87	31643.	3955.	64.
2000	2.30	81	29435.	3679.	59.
2001	2.30	75	27382.	3423.	55.
2002	2.30	70	25471.	3184.	51.
2003	2.30	65	23694.	2962.	48.
2004	2.30	60	22041.	2755.	44.
2005	2.30	56	20503.	2563.	41.
TOTAL.....			1007552.	125940.	2028.

NORTHWEST PIPELINE CORPORATION
GAS RESERVES DEPARTMENT ECONOMIC STUDY
SJU 30-5 #61 MV

WED OCTOBER 28, 1987
4:52:51 PM

WORKING INT. B/PAYOUT.....%	100.0	ANNUAL COST INFLATION.....%	0.0
WORKING INT. A/PAYOUT.....%	100.0	ANNUAL PRICE INFLATION.....%	0.0
INCOME TAX.....%	36.0	NEG INC TAX OFFSET BY OTHER INCOME	
UNIT OF PRODUCTION DEPRECIATION			

DISCOUNT	****PRESENT VALUE*****	DISCOUNTED PROFIT TO**
RATE	***** \$1000 *****	***INVESTMENT RATIO***
*** % **	BEFORE TAX AFTER TAX	BEFORE TAX AFTER TAX
75.7	0.	0.00
62.5	0.	
15.0	491.	1.83
		1.11
		RATE OF RETURN B.T.
		0.0 RATE OF RETURN A.T.

YEAR	INCOME	**PROJECT EXPENSES IN \$1000*				****CASH FLOW ANALYSIS IN \$1000****				
	\$1000	***	*****	AD.V.	*****	*****	**CUM	*****	*****	*****
NET*	***	CAPI-	*****	SEV.	PROD.	BEFORE	BEFORE	TAXED	INCOME	AFTER
*****	*****	*TAL*	DEPR.	TAXES	COSTS	*TAXES	TAXES	INCOME	TAXES	TAXES
1985	0	269	0	0	0	-269	-269	-179	-65	-204
1986	279	0	12	29	3	247	-23	234	84	162
1987	192	0	8	20	4	168	145	159	57	110
1988	170	0	8	18	4	148	293	140	50	97
1989	153	0	7	16	4	133	425	126	45	87
1990	138	0	6	14	4	119	544	113	41	78
1991	124	0	5	13	4	107	651	101	36	70
1992	112	0	5	12	4	96	747	91	33	63
1993	101	0	4	10	4	86	833	81	29	56
1994	92	0	4	10	4	78	910	74	26	51
1995	85	0	4	9	4	72	982	68	25	47
1996	79	0	4	8	4	67	1049	63	23	44
1997	74	0	3	8	4	62	1110	58	21	41
1998	68	0	3	7	4	57	1167	54	19	38
1999	64	0	3	7	4	53	1220	50	18	35
2000	59	0	3	6	4	49	1268	46	17	32
2001	55	0	2	6	4	45	1313	43	15	30
2002	51	0	2	5	4	42	1355	39	14	27
2003	48	0	2	5	4	38	1393	36	13	25
2004	44	0	2	5	4	35	1429	33	12	23
2005	41	0	2	4	4	33	1461	31	11	22
TOTAL	2028	269	90	211	86	1461	0	1461	526	935

PAYOUT DURING MONTH 2 OF YEAR 3

NOTE: THIS WELL WAS SHUT-IN FROM JULY 1986 TO JULY 1987 BECAUSE OF STATE REGULATIONS (OVER-PRODUCTION) AND LACK OF DEMAND. THE DELIVERABILITY PROJECTION IS BASED ON THE INITIAL AND CURRENT CAPACITY OF THE WELL AS INDICATED BY THE PRODUCTION HISTORY AND THE DECLINE RATES OF OFFSET MESAVERDE WELLS WITHIN A RADIUS OF 15000 FEET. THE PRODUCTION SHOWN FOR 1986 AND 1987 REPRESENTS WHAT THE WELL WAS CAPABLE OF PRODUCING.