



COMMERCIAL RESOURCES  
(505)-827-5724

SURFACE RESOURCES  
(505)-827-5793

MINERAL RESOURCES  
(505)-827-5744

ROYALTY  
(505)-827-5772

State of New Mexico  
Commissioner of Public Lands

Ray Powell, M.S., D.V.M.  
310 Old Santa Fe Trail, P. O. Box 1148  
Santa Fe, New Mexico 87504-1148  
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS  
(505)-827-5765

ADMINISTRATIVE MGMT.  
(505)-827-5700

LEGAL  
(505)-827-5713

PLANNING  
(505)-827-5752

November 5, 1998

Phillips Petroleum Company  
5525 NBU 3004  
Farmington, NM 87401

Attention: Mr. S. Scott Prather

Re: San Juan 30-5 Unit Well No. 72  
Commercial Determination  
Mesaverde Formation

Dear Mr. Prather:

We are in receipt of your letter of August 17, 1998 and a copy of the Bureau of Land Management's letter of October 8, 1998 regarding the commercial determination for the San Juan 30-5 Unit Well No. 72, W/2 of Section 10, Township 30 North, Range 5 West.

We concur with the Bureau of Land Management's determination that the San Juan 30-5 Unit Well No. 72 is a commercial well in the Mesaverde Formation and is entitled to participate in the Mesaverde participating area

Please submit an application for the appropriate expansion of the Mesaverde participating area to this office for approval.

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

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY: *for Anthony H. Nash*  
JAMI BAILEY, Director  
Oil, Gas and Minerals Division  
(505) 827-5744  
RP/JB/pm

pc: Reader File,  
BLM-Farmington Attn: Mr. Duane Spencer  
OCD-Santa Fe Attn: Mr. Roy Johnson  
TRD-Attn: Mr. Valdean Severson  
RMD-Attn: Ms. Linda Vieira

"WE WORK FOR EDUCATION"



COMMERCIAL RESOURCES  
(505)-827-5724

SURFACE RESOURCES  
(505)-827-5795

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Commissioner of Public Lands

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PLANNING  
(505)-827-5752

October 23, 1998

Phillips Petroleum Company  
5525 HWY. 64 NBU 3004  
Farmington, NM 87401

Attention: Mr. S. Scott Prather

Re: San Juan 30-5 Unit  
Commercial Determinations  
Dakota Formation

Dear Mr. Prather:

We are in receipt of your letters of August 13, 1998 and a copy of the Bureau of Land Management's letters of September 8, 1998 and October 8, 1998 regarding the commercial determinations for the San Juan 30-6 Unit Well Nos. 103, 29A, 27M and 109A.


We concur with the Bureau of Land Management that the San Juan 30-6 Unit Well Nos. 29A, 27M and 109A are commercial wells in the Pictured Cliffs Formation and should be included in the Pictured Cliffs participating area. We also concur that the San Juan Unit Well No. 103 is a non paying well and is to be produced on a lease basis.

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

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY:

  
JAMI BAILEY, Director  
Oil, Gas and Minerals Division  
(505) 827-5744  
RP/JB/pm

pc: Reader File,  
BLM-Farmington Attn: Mr. Duane Spencer  
OCD-Santa Fe Attn: Mr. Roy Johnson  
TRD-Attn: Mr. Valdean Severson

*"WE WORK FOR EDUCATION"*



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State of New Mexico  
Commissioner of Public Lands  
Ray Powell, M.S., D.V.M.  
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Santa Fe, New Mexico 87504-1148  
Phone (505)-827-5760, Fax (505)-827-5766

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(505)-827-5765

ADMINISTRATIVE MGMT.  
(505)-827-5700

LEGAL  
(505)-827-5713

PLANNING  
(505)-827-5752

September 23, 1998

Phillips Petroleum Company  
5525 HWY. 64 NBU 3004  
Farmington, NM 87401

Attention: Mr. S. Scott Prather

Re: San Juan 30-5 Unit  
Commercial Determinations  
Dakota Formation  
Corrected Letter

Dear Mr. Prather:

We are in receipt of your letters of August 13, 1998 and a copy of the Bureau of Land Management's letters of September 8, 1998 and October 8, 1998 regarding the commercial determinations for the San Juan 30-5 Unit Well Nos. 103, 29A, 27M and 109A.

We concur with the Bureau of Land Management that the San Juan 30-5 Unit Well Nos. 29A, 27M and 109A are commercial wells in the Dakota Formation and should be included in the Dakota participating area. We also concur that the San Juan 30-5 Unit Well No. 103 is a non paying well and is to be produced on a lease basis. Per our telephone conversation on this date, please disregard our letter of October 23, 1998.

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

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

A handwritten signature in cursive script, appearing to read "Jami Bailey".

BY:  
JAMI BAILEY, Director  
Oil, Gas and Minerals Division  
(505) 827-5744  
RP/JB/pm

pc: Reader File.  
BLM-Farmington Attn: Mr. Duane Spencer  
OCD-Santa Fe Attn: Mr. Roy Johnson  
TRD-Attn: Mr. Valdean Severson



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY 64 NBU 3004

OIL CONSERVATION DIV.  
98 SEP 18 PM 2:30

September 14, 1998

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Commissioner of Public Lands  
P. O. Box 1148  
Santa Fe, NM 87501-1148

State of New Mexico  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

**RE: SAN JUAN 30-5 UNIT  
#14-08-001-346  
COMMERCIALITY DETERMINATION  
SAN JUAN 30-5 UNIT #257 WELL  
SAN JUAN 30-5 UNIT #258 WELL  
RIO ARriba COUNTY, NEW MEXICO  
G. F. 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) has determined that the San Juan 30-5 Unit #257 & #258 Wells are capable of producing unitized substances in paying quantities from the Fruitland formation. Phillips requests confirmation of these paying well determinations. A summary of production and economic data is enclosed for each well.

Upon receipt of approval from the Bureau of Land Management and concurring response from the Commissioner of Public Lands and Oil Conservation Division, the formal Participating Area schedules will be prepared and submitted.

Copies of this submittal and enclosures are being sent to all owners on the attached listing. Please contact the undersigned, should you have any questions.

Very truly yours,

S. Scott Prather, CPL  
Senior Landman  
San Juan Basin  
(505) 599-3410

cc: J. L. Mathis (r) G. F. 5397

**SAN JUAN 30-5 UNIT  
FRUITLAND PARTICIPATING AREA OWNERS**

AMOCO PRODUCTION COMPANY

BURLINGTON RESOURCES OIL & GAS COMPANY

DEVON ENERGY CORPORATION (NEVADA)

EJE BROWN COMPANY

FOUR STAR OIL & GAS COMPANY

H. O. & T. K. POOL TRUST c/o WELLS FARGO BANK N. A.

KATHLEEN QUINN

MAR OIL & GAS CORPORATION

PHILLIPS-NEW MEXICO PARTNERS, L. P.

PHILLIPS-SAN JUAN LTD PARTNERS

ROBERT TINNIN

RUTH ZIMMERMAN TRUST

SAN JUAN BASIN PARTNERSHIP

THOMAS A & MARY E DUGAN

WILLIAMS PRODUCTION COMPANY

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 #257  
Fruitland Coal  
W/2 Section 11, 30N-5W  
Rio Arriba Co., NM

Date of First Delivery: 10/17/97

Total Well Costs: \$381,769

Current Gas Price (\$/mcf): \$1.64

BLM Royalty: 12.5%

% Production Taxes:	3.75000	Severance
	4.00000	School
	1.15470	Ad Valorem
	0.19000	Conservation
	0.20785	Prod Equip
	9.30255	

### Estimated Gross Annual Production and Operating Expenses

<u>Period</u>	<u>Year</u>	<u>Gas MCF</u>	<u>Operating Expense, \$</u>
1	1997	26,357	6,840
2	1998	108,820	27,350
3	1999	94,495	27,350
4	2000	79,902	27,350
5	2001	68,166	27,350
6	2002	58,620	27,350
7	2003	50,776	27,350
8	2004	44,272	27,350
9	2005	38,832	27,350
10	2006	34,249	27,350
11	2007	30,359	27,350
12	2008	27,037	27,350
13	2009	24,182	27,350
14	2010	21,715	27,350
15	2011	19,573	27,350
Total		727,354	

# Phillips Petroleum Company

## Commerciality Determination

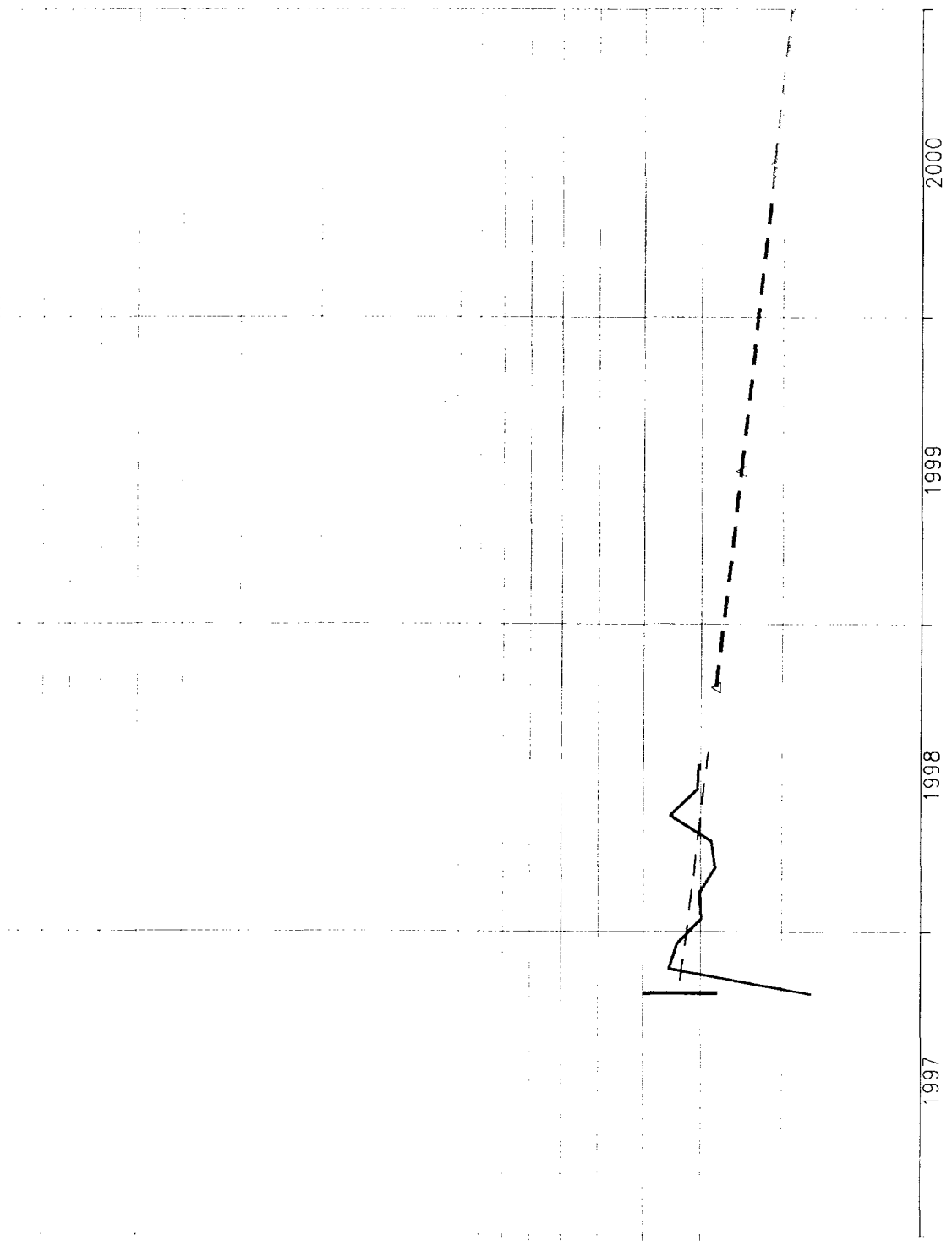
San Juan 30-5 #257  
Fruitland Coal  
W/2 Section 11, 30N-5W  
Rio Arriba Co., NM

### Comments:

The volumes for 1997 are actual numbers. The well is gathered into the Williams Conventional gas system (Line Pressure 340 psi). Well had a 2000 mcf/d pitot during completion.

Monthly Production			
<u>Yr</u>	<u>Mo</u>	<u>Gas MCF</u>	<u>Water BBLS</u>
1997	Oct	5,353	
1997	Nov	10,536	
1997	Dec	10,468	
<b>Total 1997</b>		<u>26,357</u>	
1998	Jan	9,281	
1998	Feb	8,456	
1998	Mar	8,635	
1998	Apr	8,521	
1998	May	10,821	
1998	Jun	9,159	
1998	Jul	9,409	
<b>7 mos. 1998</b>		<u>64,282</u>	

11/97-7/98    8/98-LIFE    ASSOC.    Current Cums  
 INITIAL PROD / DAY : 332.1    288.9    0.0    666.99 MCF GAS  
 REMAINING LIFE : 0.75    5.00  
 HYPR(0.33) DECL % : 19.05    18.19  
 CUM PRODUCTION : 85285.    357481.  
 FINAL PROD / DAY : 303.5    130.5



LEASE : 650424 : SAN JUAN 30-5 UNIT #257    F8B6201  
 RESVR : 028 : BASIN    FRUITLAND COAL NQ    ZONE-65042402800025 / 18B6201  
 WELL - 000257 CUM MCF = 90639.    API-30039257180000    THRU 98/07



# Phillips Petroleum Company

## Commerciality Determination

**San Juan 30-5 #258**  
**Fruitland Coal**  
**E/2 Section 14, 30N-5W**  
**Rio Arriba Co., NM**

Date of First Delivery:	10/31/97
Total Well Costs:	\$355,340
Current Gas Price (\$/mcf):	\$1.64
BLM Royalty:	12.5%
% Production Taxes:	
3.75000	Severance
4.00000	School
1.15470	Ad Valorem
0.19000	Conservation
0.20785	Prod Equip
9.30255	

### Estimated Gross Annual Production and Operating Expenses

<u>Period</u>	<u>Year</u>	<u>Gas MCF</u>	<u>Operating Expense, \$</u>
1	1997	22,952	6,840
2	1998	373,596	27,350
3	1999	272,149	27,350
4	2000	193,902	27,350
5	2001	143,007	27,350
6	2002	108,479	27,350
7	2003	84,232	27,350
8	2004	66,706	27,350
9	2005	53,724	27,350
10	2006	43,905	27,350
11	2007	36,339	27,350
12	2008	30,417	27,350
13	2009	25,715	27,350
14	2010	21,934	27,350
15	2011	18,860	27,350
Total		1,495,917	

# Phillips Petroleum Company

## Commerciality Determination

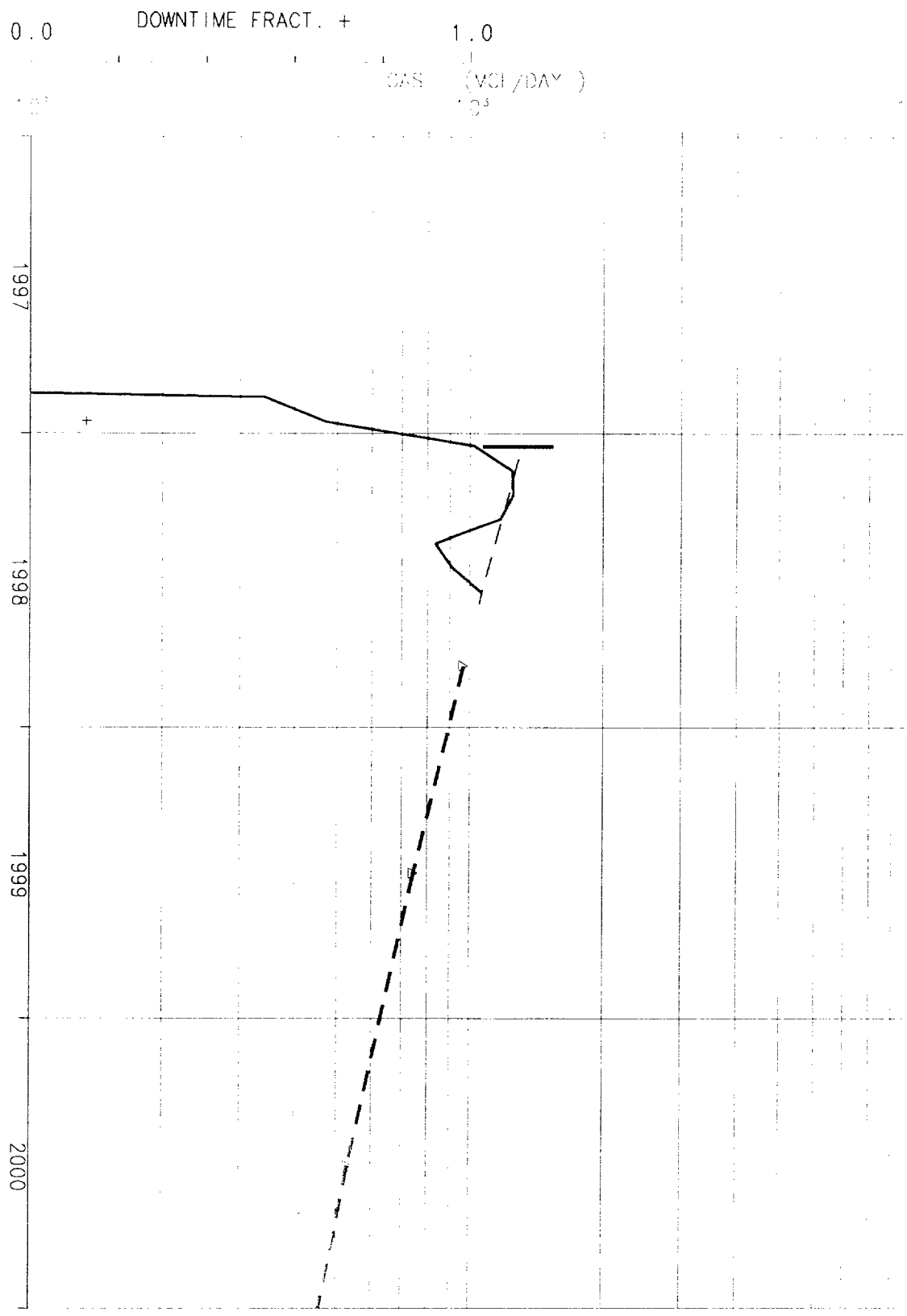
San Juan 30-5 #258  
Fruitland Coal  
E/2 Section 14, 30N-5W  
Rio Arriba Co., NM

### Comments:

The volumes for 1997 are actual numbers. The well is gathered into the Williams Conventional gas system (Line Pressure 340 psi). Well had a 2900 mcf/d pitot during completion.

Monthly Production			
<u>Yr</u>	<u>Mo</u>	<u>Gas MCF</u>	<u>Water BBLS</u>
1997	Oct	4	
1997	Nov	10,225	
1997	Dec	12,723	
<b>Total 1997</b>		22,952	
1998	Jan	31,610	
1998	Feb	34,881	
1998	Mar	38,865	
1998	Apr	35,135	
1998	May	25,899	
1998	Jun	27,378	
1998	Jul	32,948	
<b>7 mos. 1998</b>		226,716	

INITIAL PROD / DAY	: 1288.6	2/98-7/98	8/98-LIFE	ASSOC.	Current Cums
REMAINING LIFE	: 0.50		1047.2	0.0	249669. MCF GAS
HYPR(0.33) DECL %	: 42.97		5.00		
CUM PRODUCTION	: 195108.		40.10		
FINAL PROD / DAY	: 1062.8		916020.	0.	
			225.5		



LEASE- 650441: SAN JUAN 30-5 UNIT #258  
 RESVR- 028: BASIN FRUITLAND COAL NO  
 WTTI 000258 CUM MCF =249668.  
 F8B6301  
 ZONE-650441028000258 F8B6301  
 API-30039256990000 THRU 98/07



## PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

August 17, 1998

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, New Mexico 87401

State of New Mexico  
Commissioner of Public Lands  
P. O. Box 1148  
Santa Fe, New Mexico 87501-1148

State of New Mexico  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

RE: **SAN JUAN 30-5 UNIT**  
**#14-08-001-346**  
**COMMERCIALITY DETERMINATION**  
**SAN JUAN 30-5 UNIT #72 WELL**  
**RIO ARriba COUNTY, NEW MEXICO**  
**G. F. 5397**

Gentlemen:

In reference to letter dated August 13, 1998, we referred to the formation in the first paragraph as Dakota rather than the Mesaverde formation. This letter is being sent to replace the previous.

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) has determined that the San Juan 30-5 Unit #72 Well is capable of producing unitized substances in paying quantities from the Mesaverde formation. Phillips requests confirmation of this paying well determination. A summary of production and economic data is enclosed for this well.

Upon receipt of approval from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and Oil Conservation Division, the formal Participating Area schedule will be prepared and submitted.

Copies of this submittal and enclosures are being sent to all owners on the attached listing. Please contact the undersigned, should you have any questions.

Very truly yours,

S. Scott Prather, CPL  
Senior Landman  
San Juan Basin  
(505) 599-3410

cc: J. L. Mathis (r) G. F. 5397

**SAN JUAN 30-5 UNIT  
MESAVERDE FORMATION PARTICIPATING AREA**

THOMAS A & MARY E DUGAN

FOUR STAR OIL & GAS COMPANY

LANGDON D HARRISON TRUST

MAR OIL & GAS CORPORATION

KATHLEEN QUINN

ROBERT TINNIN

WILLIAMS PRODUCTION COMPANY

RUTH ZIMMERMAN TRUST

EJE BROWN COMPANY

BURLINGTON RESOURCES OIL & GAS COMPANY

DEVON ENERGY CORPORATION

H. O. & T. K. POOL TRUST

PHILLIPS PETROLEUM COMPANY



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

August 13, 1998

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, New Mexico 87401

State of New Mexico  
Commissioner of Public Lands  
P. O. Box 1148  
Santa Fe, New Mexico 87501-1148

State of New Mexico  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

**RE: SAN JUAN 30-5 UNIT  
#14-08-001-346  
COMMERCIALITY DETERMINATION  
SAN JUAN 30-5 UNIT #103 WELL  
RIO ARRIBA COUNTY, NEW MEXICO  
G. F. 5397**

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, Phillips Petroleum Company (Phillips) has determined that the San Juan 30-5 Unit #103 Well is not capable of producing unitized substances in paying quantities from the Dakota formation. Phillips requests confirmation of this paying well determination. A summary of production and economic data is enclosed for this well.

Upon receipt of approval from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and Oil Conservation Division, the well will be carried as non-commercial on a lease basis.

Copies of this submittal and enclosures are being sent to all owners on the attached listing. Please contact the undersigned, should you have any questions.

Very truly yours,

S. Scott Prather, CPL  
Senior Landman  
San Juan Basin  
(505) 599-3410

cc: J. L. Mathis (r) G. F. 5397

**SAN JUAN 30-5 UNIT  
DAKOTA FORMATION PARTICIPATING AREA**

AMOCO PRODUCTION COMPANY

BURLINGTON RESOURCES OIL & GAS COMPANY

PHILLIPS-NEW MEXICO PARTNERS, L. P.

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #103

Dakota

W/2 Section 3, 30N-5W

Rio Arriba Co., NM

Date of First Delivery: 11/21/97

Total Well Costs: \$430,000

1997 Avg. Gas Price (\$/mcf): \$1.80

BLM Royalty: 12.5%

% Production Taxes:	3.75000	Severance
	4.00000	School
	1.15470	Ad Valorem
	0.19000	Conservation
	<u>0.20785</u>	Prod Equip
	9.30255	

### Estimated Gross Annual Production and Operating Expenses

Period	Year	Gas MCF	Operating Expense, \$
1	1997	12,589 (actual)	833
2	1998	43,863	6,000
3	1999	40,573	6,000
4	2000	37,603	6,000
5	2001	34,916	6,000
6	2002	32,478	6,000
7	2003	30,262	6,000
8	2004	28,242	6,000
9	2005	26,397	6,000
10	2006	24,710	6,000
11	2007	23,163	6,000
12	2008	21,742	6,000
13	2009	20,435	6,000
14	2010	19,230	6,000
15	2011	18,118	6,000

Total 414,321



# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #103

Dakota

W/2 Section 3, 30N-5W

Rio Arriba Co., NM

This well was drilled and completed in January 1985 by Northwest Pipeline Co. Apparently due to low test rates no pipeline connection was made to the well until November 1997, subsequent to which the well was first delivered.

The original well costs were not used in this determination due to the long period of time between completion and first delivery. Instead, an average well cost for single Dakota wells drilled in the area in recent years was used (\$430,000).

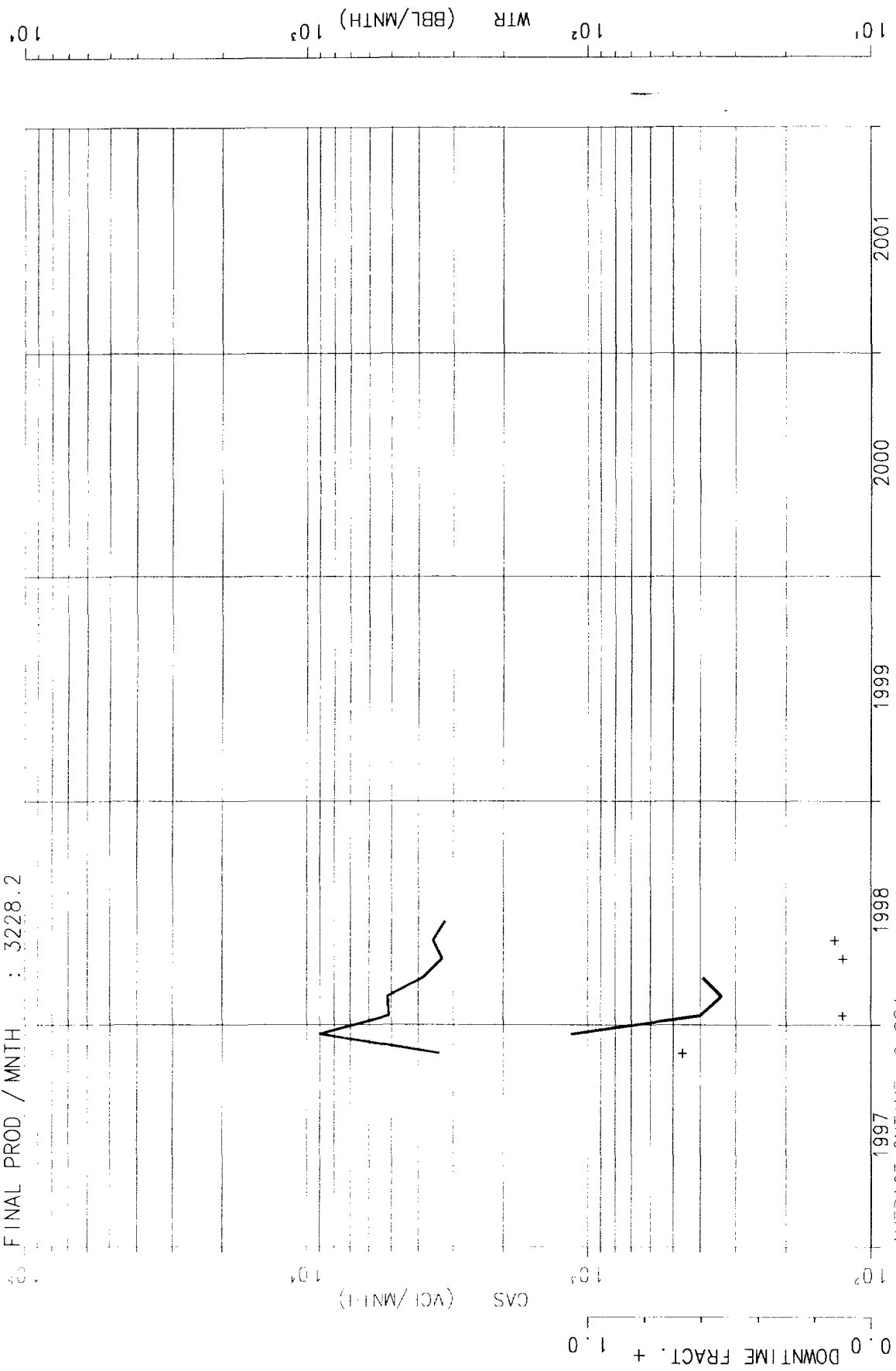
The operating costs and production for 1997 are actual.

The gas price is an average for Dakota wells in the area for 1997, with transportation costs removed.

11/97-6/98

INITIAL PROD / MNTH : 9934.9  
REMAINING LIFE : 0.67  
CUM PRODUCTION : 36414.  
FINAL PROD / MNTH : 3228.2

Current Cums  
36414. MCF GAS  
230. BBL WTR



AVERAGE ONTIME = 0.884

LEASE- 650291 : SAN JUAN 30-5 UNIT DK #103  
RESVR- 076 : BASIN DAKOTA  
WELL - 000103 CUM MCF = 36414.

F054401  
ZONE-650291076000103 F054401  
API-30039232230000 THRU 98/06

ADJ	-----	PRODUCED	-----	DAYS	-----	WELL	---
FLG DATE	OIL (BBL)	GAS (MCF)	WATER (BBL)	PROD	OP	ST	CL TY
1997-07	0.00	0	0	0.00	0	41	03 2
1997-08	0.00	0	0	0.00	0	41	03 2
1997-09	0.00	0	0	0.00	0	41	03 2
* 1997-10	0.00	0	0	31.00	0	11	03 2
* 1997-11	0.00	326	0	10.00	10	11	03 2
* 1997-12	0.00	300	3	31.00	31	11	03 2
* 1998-01	0.00	182	1	28.00	28	11	03 2
* 1998-02	0.00	169	1	28.00	28	51	03 2
* 1998-03	0.00	126	1	31.00	31	11	03 2
1998-04	0.00	112	0	29.00	29	11	03 2
1998-05	0.00	134	0	27.00	27	11	03 2
1998-06	0.00	106	0	30.00	30	11	03 2

PA1=ICE    PA2=Exit    PF1=Help    PF3=End    PF11=GRAPH  
Transfer->    PF7=Backward    PF8=Forward    PF4=PREV SCREEN    PF12=LOG GRAPH



# PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

August 13, 1998

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, New Mexico 87401

State of New Mexico  
Commissioner of Public Lands  
P. O. Box 1148  
Santa Fe, New Mexico 87501-1148

State of New Mexico  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

**RE: SAN JUAN 30-5 UNIT  
#14-08-001-346  
COMMERCIALITY DETERMINATION  
SAN JUAN 30-5 UNIT #72 WELL  
RIO ARriba COUNTY, NEW MEXICO  
G. F. 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) has determined that the San Juan 30-5 Unit #72 Well is capable of producing unitized substances in paying quantities from the Dakota formation. Phillips requests confirmation of this paying well determination. A summary of production and economic data is enclosed for this well.

Upon receipt of approval from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and Oil Conservation Division, the formal Participating Area schedule will be prepared and submitted.

Copies of this submittal and enclosures are being sent to all owners on the attached listing. Please contact the undersigned, should you have any questions.

Very truly yours,

S. Scott Prather, CPL  
Senior Landman  
San Juan Basin  
(505) 599-3410

cc: J. L. Mathis (r) G. F. 5397

**SAN JUAN 30-5 UNIT  
MESAVERDE FORMATION PARTICIPATING AREA**

THOMAS A & MARY E DUGAN

FOUR STAR OIL & GAS COMPANY

LANGDON D HARRISON TRUST

MAR OIL & GAS CORPORATION

KATHLEEN QUINN

ROBERT TINNIN

WILLIAMS PRODUCTION COMPANY

RUTH ZIMMERMAN TRUST

EJE BROWN COMPANY

BURLINGTON RESOURCES OIL & GAS COMPANY

DEVON ENERGY CORPORATION

H. O. & T. K. POOL TRUST

PHILLIPS PETROLEUM COMPANY

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #72

Mesaverde

W/2 Section 10, 30N-5W

Rio Arriba Co., NM

Date of First Delivery: 07/22/97

Total Well Costs: \$200,411

1997 Avg. Gas Price (\$/mcf): \$1.84

BLM Royalty: 12.5%

% Production Taxes:	3.75000	Severance
	4.00000	School
	1.15470	Ad Valorem
	0.19000	Conservation
	<u>0.20785</u>	Prod Equip
	9.30255	

### Estimated Gross Annual Production and Operating Expenses

Period	Year	Gas MCF	Operating Expense, \$
1	1997	89,588 (actual)	865
2	1998	144,219	3,100
3	1999	124,995	3,100
4	2000	109,035	3,100
5	2001	95,676	3,100
6	2002	84,408	3,100
7	2003	74,839	3,100
8	2004	66,661	3,100
9	2005	59,630	3,100
10	2006	53,552	3,100
11	2007	48,271	3,100
12	2008	43,661	3,100
13	2009	39,618	3,100
14	2010	36,059	3,100
15	2011	32,912	3,100
Total		<u>1,103,124</u>	

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #72  
Mesaverde  
W/2 Section 10, 30N-5W  
Rio Arriba Co., NM

This well was drilled and completed from March to July 1997 by Phillips.

The original well costs were used in this determination.

The operating costs and production for 1997 are actual.

The gas price is an average for this well in 1997, with transportation costs removed.

### Actual Production

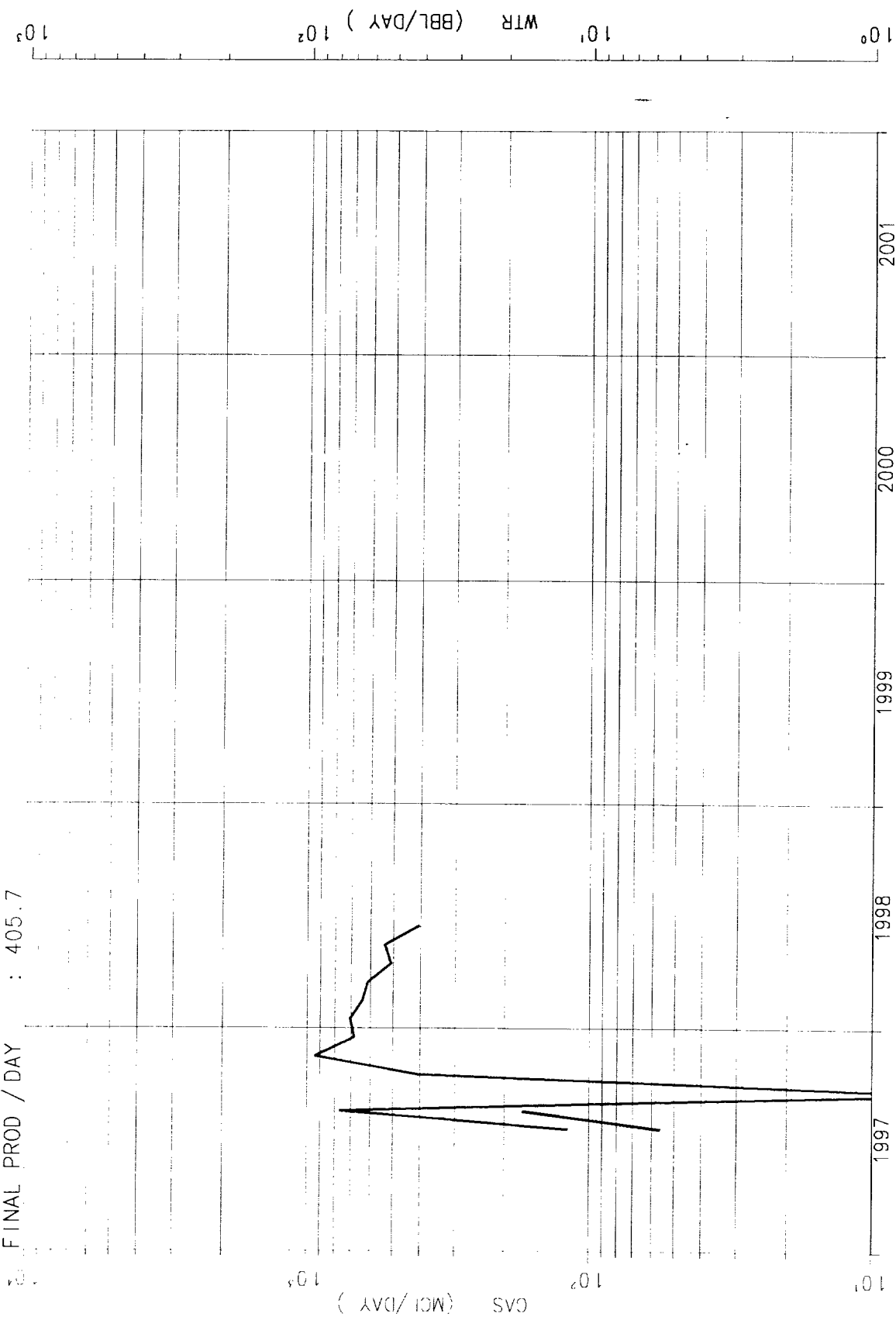
Month	Production
Jul-97	3,688 MCF
Aug-97	23,830 MCF
Sep-97	0 MCF
Oct-97	12,680 MCF
Nov-97	28,210 MCF
Dec-97	21,180 MCF
Jan-98	21,915 MCF
Feb-98	17,924 MCF
Mar-98	19,050 MCF

7/97-6/98

INITIAL PROD / DAY : 119.0  
REMAINING LIFE : 1.00

CUM PRODUCTION : 192562.  
FINAL PROD / DAY : 405.7

Current Cums  
192562. MCF GAS  
707. BBL WTR



LEASE- 650421 : SAN JUAN 30-5 UNIT #72 MW  
RESVR- 170 : BLANCO MESAVERDE  
WELL - 000072 CUM MCF = 192568.

L989302  
ZONE-650421170000072 L989302  
API-30039225730000 THRU 98/06





## PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

August 13, 1998

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, New Mexico 87401

State of New Mexico  
Commissioner of Public Lands  
P. O. Box 1148  
Santa Fe, New Mexico 87501-1148

State of New Mexico  
Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

**RE: SAN JUAN 30-5 UNIT  
#14-08-001-346  
COMMERCIALITY DETERMINATION  
SAN JUAN 30-5 UNIT #27M WELL  
SAN JUAN 30-5 UNIT #29A WELL  
SAN JUAN 30-5 UNIT #109A WELL  
RIO ARriba COUNTY, NEW MEXICO  
G. F. 5397**

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, Phillips Petroleum Company (Phillips) has determined that the San Juan 30-5 Unit #27M, #29A and #109A Wells are capable of producing unitized substances in paying quantities from the Dakota formation. Phillips requests confirmation of these paying well determinations. A summary of production and economic data is enclosed for each well.

Upon receipt of approval from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and Oil Conservation Division, the formal Participating Area schedules will be prepared and submitted.

Copies of this submittal and enclosures are being sent to all owners on the attached listing. Please contact the undersigned, should you have any questions.

Very truly yours,

A handwritten signature in black ink, appearing to read "S. Scott Prather".

S. Scott Prather, CPL  
Senior Landman  
San Juan Basin  
(505) 599-3410

cc: J. L. Mathis (r) G. F. 5397

**SAN JUAN 30-5 UNIT  
DAKOTA FORMATION PARTICIPATING AREA**

AMOCO

BURLINGTON RESOURCES OIL & GAS COMPANY

PHILLIPS-NEW MEXICO PARTNERS, L. P.

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #27M

Dakota

W/2 Section 20, 30N-5W

Rio Arriba Co., NM

Date of First Delivery: 08/05/97

Total Well Costs: \$309,588

1997 Avg. Gas Price (\$/mcf): \$1.80

BLM Royalty: 12.5%

% Production Taxes:	3.75000	Severance
	4.00000	School
	1.15470	Ad Valorem
	0.19000	Conservation
	<u>0.20785</u>	Prod Equip
	9.30255	

### Estimated Gross Annual Production and Operating Expenses

Period	Year	Gas MCF	Operating Expense, \$
1	1997	45,596 (actual)	1,800
2	1998	96,379	6,000
3	1999	85,866	6,000
4	2000	76,825	6,000
5	2001	69,008	6,000
6	2002	62,214	6,000
7	2003	56,281	6,000
8	2004	51,078	6,000
9	2005	46,496	6,000
10	2006	42,445	6,000
11	2007	38,850	6,000
12	2008	35,649	6,000
13	2009	32,789	6,000
14	2010	30,227	6,000
15	2011	27,924	6,000

Total 797,624

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #27M

Dakota

W/2 Section 20, 30N-5W

Rio Arriba Co., NM

This well was drilled and completed from March to July 1997 by Phillips.

The original well costs were used in this determination.

The operating costs and production for 1997 are actual.

The gas price is an average for Dakota wells in the area for 1997, with transportation costs removed.

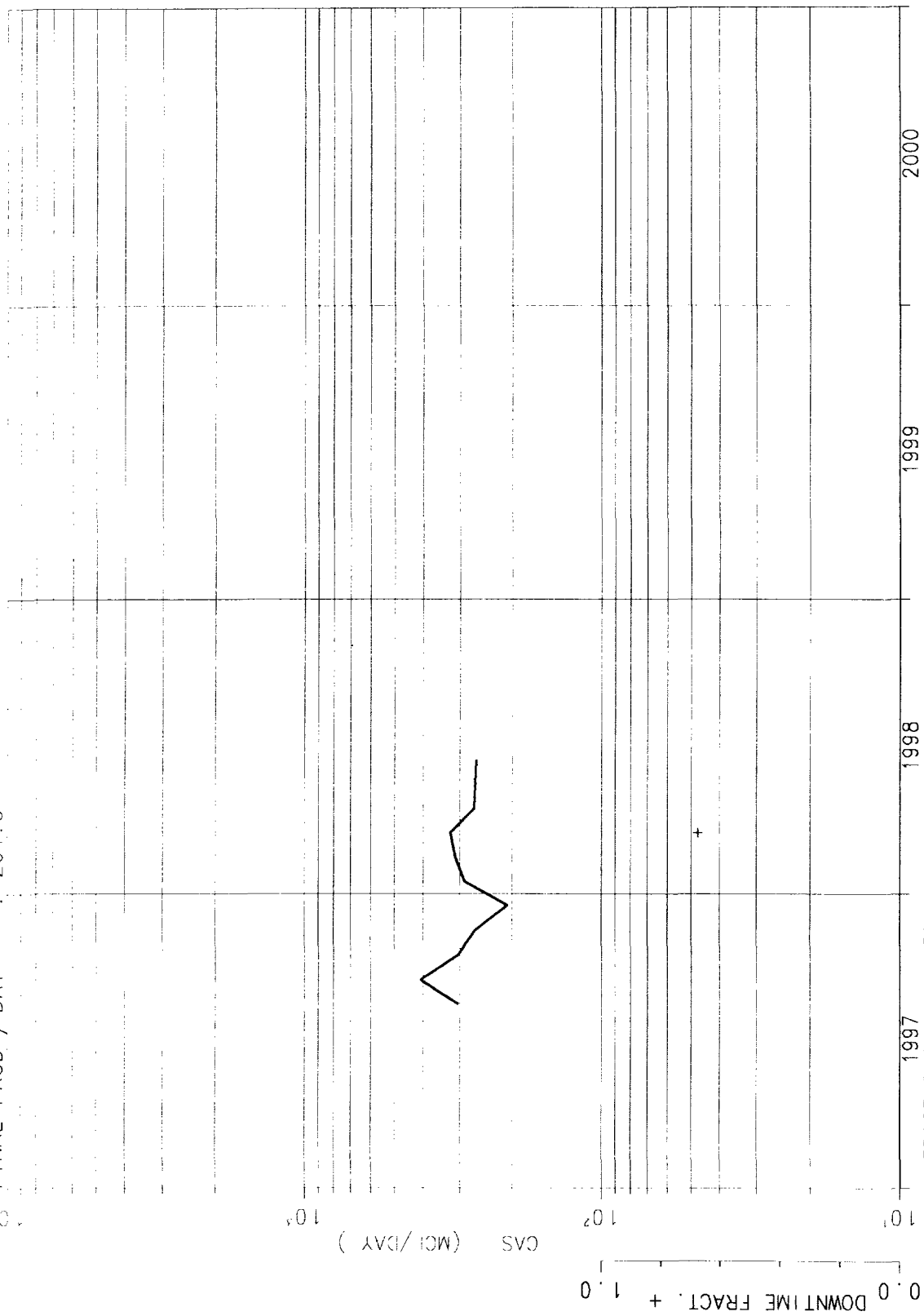
### Actual Production

Month	Production
Aug-97	9,449 MCF
Sep-97	12,275 MCF
Oct-97	9,441 MCF
Nov-97	8,007 MCF
Dec-97	6,424 MCF
Jan-98	8,988 MCF
Feb-98	8,739 MCF
Mar-98	3,236 MCF
Apr-98	8,076 MCF

8/97-6/98

Current Cums  
90848. MCF GAS

INITIAL PROD / DAY : 304.8  
REMAINING LIFE : 0.92  
CUM PRODUCTION : 90848.  
FINAL PROD / DAY : 264.6



AVERAGE ONTIME = 0.939

LEASE- 650423 : SAN JUAN 30-5 #27M DK  
RESVR- 076 : BASIN DAKOTA  
WELL - 00027M CUM MCF = 90847.

F062802  
ZONE-650423076000027MF062802  
API-30039256690000 THRU 98/06

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #29A

Dakota

E/2 Section 14, 30N-5W

Rio Arriba Co., NM

Date of First Delivery: 10/28/97

Total Well Costs: \$324,624

1997 Avg. Gas Price (\$/mcf): \$1.80

BLM Royalty: 12.5%

% Production Taxes:	3.75000	Severance
	4.00000	School
	1.15470	Ad Valorem
	0.19000	Conservation
	<u>0.20785</u>	Prod Equip
	9.30255	

### Estimated Gross Annual Production and Operating Expenses

Period	Year	Gas MCF	Operating Expense, \$
1	1997	108,349 (actual)	1,028
2	1998	435,719	6,200
3	1999	282,636	6,200
4	2000	193,595	6,200
5	2001	138,324	6,200
6	2002	102,221	6,200
7	2003	77,651	6,200
8	2004	60,355	6,200
9	2005	47,830	6,200
10	2006	38,539	6,200
11	2007	31,503	6,200
12	2008	26,078	6,200
13	2009	21,829	6,200
14	2010	18,453	6,200
15	2011	15,738	6,200

Total 1,598,820

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #29A

Dakota

E/2 Section 14, 30N-5W

Rio Arriba Co., NM

This well was drilled and completed in October 1997 by Phillips.

The original well costs were used in this determination.

The operating costs and production for 1997 are actual.

The gas price is an average for Dakota wells in the area for 1997, with transportation costs removed.

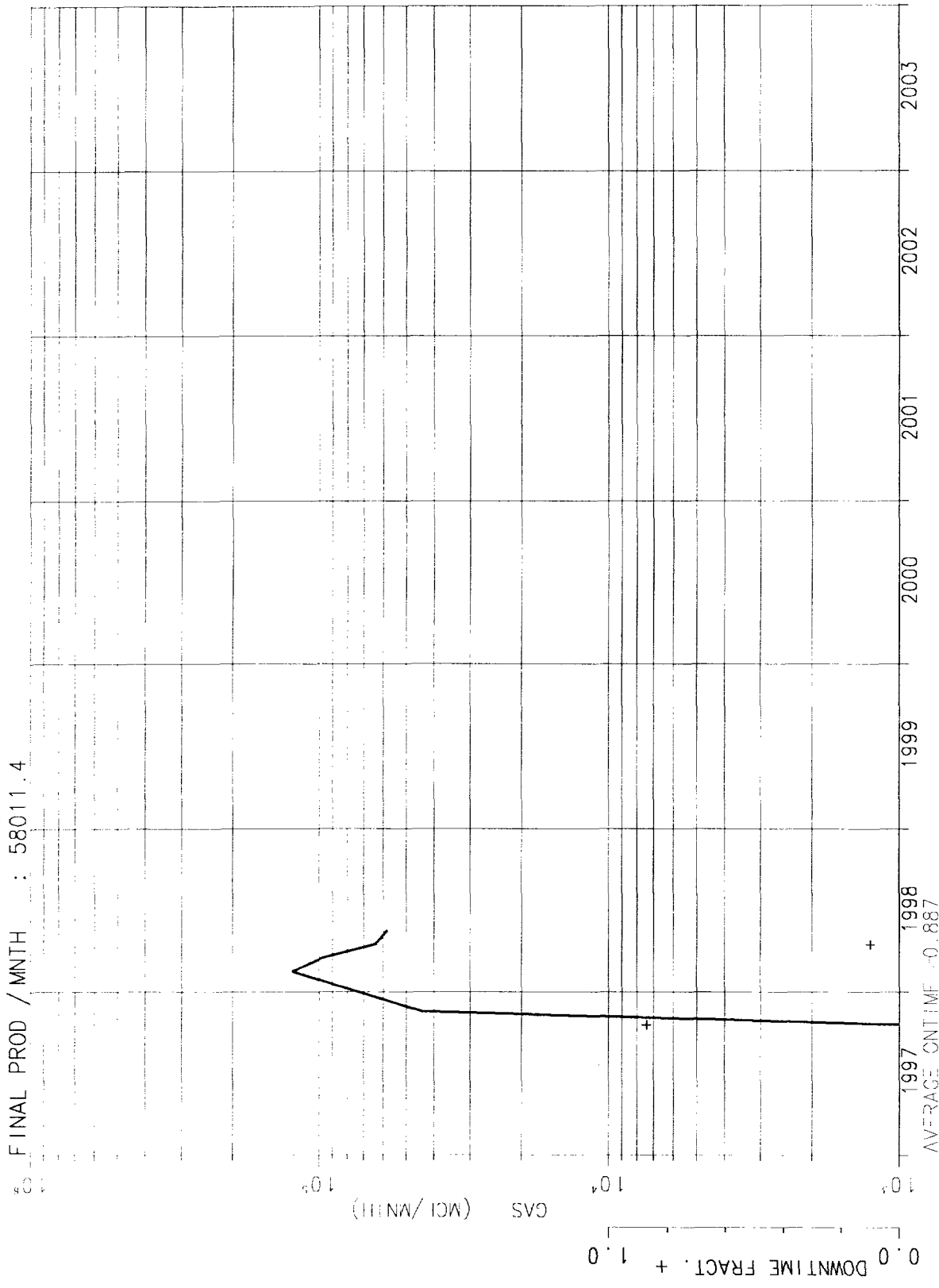
### Actual Production

Month	Production
Oct-97	999 MCF
Nov-97	42,692 MCF
Dec-97	64,658 MCF
Jan-98	88,902 MCF
Feb-98	113,681 MCF
Mar-98	99,644 MCF
Apr-98	62,860 MCF
May-98	59,124 MCF
Jun-98	47,013 MCF

10/97-5/98

Current Cums  
532560. MCF GAS

INITIAL PROD / MNTH : 7598.5  
REMAINING LIFE : 0.67  
CUM PRODUCTION : 532560.  
FINAL PROD / MNTH : 58011.4



LEASE- 650428 : SAN JUAN 30-5 #29A DK  
RESVR- 076 : BASIN DAKOTA  
WELL - 00029A CUM MCF =532560.  
F062902  
ZONE -650428076000029AF062902  
API -30039257070000 THRU 98/05



# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #109A

Dakota

W/2 Section 14, 30N-5W

Rio Arriba Co., NM

Date of First Delivery: 10/28/97

Total Well Costs: \$374,488

1997 Avg. Gas Price (\$/mcf): \$1.80

BLM Royalty: 12.5%

% Production Taxes:	3.75000	Severance
	4.00000	School
	1.15470	Ad Valorem
	0.19000	Conservation
	<u>0.20785</u>	Prod Equip
	9.30255	

### Estimated Gross Annual Production and Operating Expenses

Period	Year	Gas MCF	Operating Expense, \$
1	1997	37,465 (actual)	1,027
2	1998	137,684	6,200
3	1999	122,665	6,200
4	2000	109,750	6,200
5	2001	98,582	6,200
6	2002	88,877	6,200
7	2003	80,402	6,200
8	2004	72,969	6,200
9	2005	66,423	6,200
10	2006	60,635	6,200
11	2007	55,499	6,200
12	2008	50,927	6,200
13	2009	46,841	6,200
14	2010	43,181	6,200
15	2011	39,891	6,200

Total 1,111,791

# Phillips Petroleum Company

## Commerciality Determination

San Juan 30-5 Unit #109A

Dakota

W/2 Section 14, 30N-5W

Rio Arriba Co., NM

This well was drilled and completed from Aug. to Oct. 1997 by Phillips.

The original well costs were used in this determination.

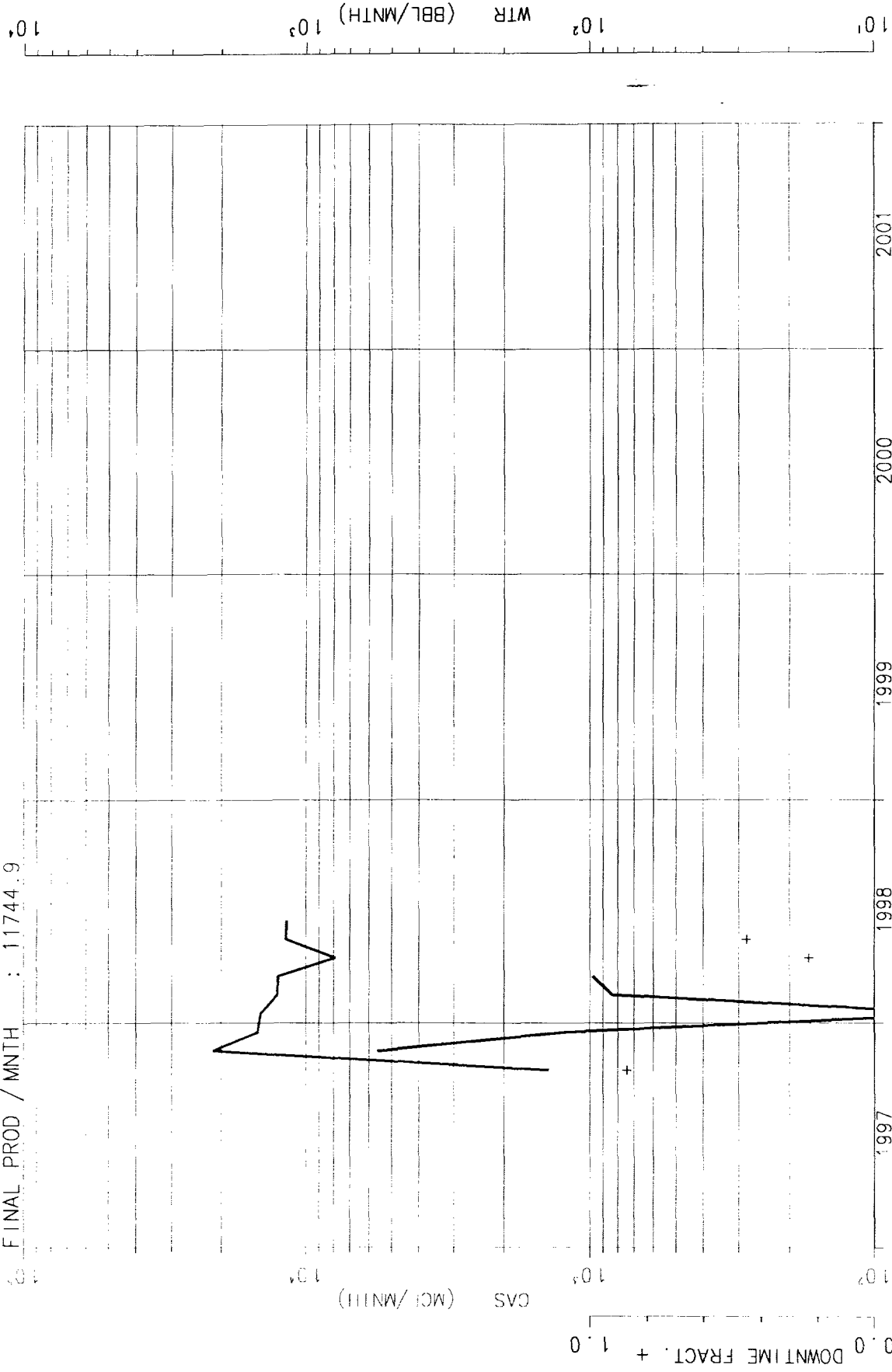
The operating costs and production for 1997 are actual.

The gas price is an average for Dakota wells in the area for 1997, with transportation costs removed.

10/97-6/98

INITIAL PROD / MNTH : 10937.5  
REMAINING LIFE : 0.75  
CUM PRODUCTION : 107790.  
FINAL PROD / MNTH : 11744.9

Current Cums  
107790. MCF GAS  
845. BBL WTR



AVERAGE CNTIME -0.827

LEASE- 650440 : SAN JUAN 30-5 #109A DK  
RESVR- 076 : BASIN DAKOTA  
WELL - 00109A CUM MCF = 107790.

F063002  
ZONE-650440076000109AF063002  
API-30039257060000 THRU 98/06

PARPI - WELLZONE PRODUCTION BROWSE

Date: 7/31/98

User: MWSTODO

Wellzone F0630 02 Yr: 1997 Mth: 09 Property: 650428 SAN JUAN 30-5 #29A DK

Screen: 1 (1-Prod, 2-Inj, 3-Both) Well No: 000109A

Type: D (T-Total, D-Daily Avg) Field: 042233 BASIN

Period: M (M-Mnthly, Y-Yrly, C-Cum) Resvr: 20079 DAKOTA NO

ADJ	-----	PRODUCED			-----	DAYS		-----	WELL			---
FLG	DATE	OIL (BBL)	GAS (MCF)	WATER (BBL)	---	PROD	OP	ST	CL	TY		
*	1997-09	0.00	0	0		0.00	0	87	11	2		
*	1997-10	0.00	359	0		4.00	4	11	11	2		
*	1997-11	0.00	689	18		30.00	6	11	11	2		
*	1997-12	0.00	494	4		31.00	31	11	11	2		
*	1998-01	0.00	466	0		31.00	31	11	11	2		
*	1998-02	0.00	415	2		28.00	28	11	11	2		
*	1998-03	0.00	413	3		31.00	31	11	11	2		
	1998-04	0.00	338	0		23.00	23	11	11	2		
	1998-05	0.00	706	0		17.00	17	11	11	2		
	1998-06	0.00	386	0		30.00	30	11	11	2		

NO MORE DATA AVAILABLE

PA1=ICE    PA2=Exit    PF1=Help    PF3=End    PF11=GRAPH  
Transfer->    PF7=Backward    PF8=Forward    PF4=PREV SCREEN    PF12=LOG GRAPH



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

October 15, 1997

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Commission of Public Lands  
ATTN: MR. RAY POWELL  
310 Old Santa Fe Trail, P. O. Box 1148  
Santa Fe, NM 87504-1148

State of New Mexico  
Oil Conservation Division  
ATTN: MR. WILLIAM J. LEMAY  
310 Old Santa Fe Trail, Room 206  
Santa Fe, NM 87514-2088

RE: **SAN JUAN 30-5 UNIT**  
**#14-08-001-346**  
**21<sup>ST</sup> EXPANSION**  
**G. F. 5397, LCN 650363**

Gentlemen:

By letter dated September 15, 1997 Phillips Petroleum Company (Phillips) submitted an Expansion Schedule for the captioned. Tract 3B, 3C and 7B incorrectly reflected Phillips as a working interest owner. In actuality the Expansion Schedule for the 21<sup>st</sup> Expansion of the participating area for Fruitland Formation should have reflected Phillips-New Mexico Partners, L. P. as the owner of this interest. Please find enclosed for your records, a corrected copy of the Expansion Schedule. We respectfully request that you please replace the originally provided copy with this corrected version and apologize for any inconvenience this error may have caused.

Very truly yours,

S. Scott Prather  
Senior Landman  
San Juan Basin  
(505) 599-3410

cc: San Juan 30-5 Unit Owners  
J. L. Mathis - G. F. 5397  
Farmington Contract Distribution

**SAN JUAN 30-5 UNIT  
FRUITLAND PARTICIPATING AREA OWNERS**

AMOCO PRODUCTION COMPANY

BURLINGTON RESOURCES OIL & GAS COMPANY

DEVON ENERGY CORPORATION (NEVADA)

EJE BROWN COMPANY

FOUR STAR OIL & GAS COMPANY

H. O. & T. K. POOL TRUST

MAR OIL & GAS CORPORATION

PHILLIPS-NEW MEXICO PARTNERS, L. P.

PHILLIPS-SAN JUAN LTD PARTNERS

ROBERT TINNIN

RUTH ZIMMERMAN TRUST

SAN JUAN BASIN PARTNERSHIP

SUNWEST BANK OF ALBUQUERQUE NA  
~AGENT FOR KATHLEEN QUINN

THOMAS & MARY DUGAN

WILLIAMS PRODUCTION COMPANY

DATE:10/14/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-012331		320.00		TRACT: 001			2.702753
SEC. 31	RSW	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

NM-012332		640.00		TRACT: 002			5.405505
SEC. 34	ALL						
	ORRI:				4.500000	4.500000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				64.657000	64.657000	
	PHILLIPS-NEW MEXICO PARTNERS, L.P.				3.403000	3.403000	
	SAN JUAN BASIN PARTNERSHIP				14.940000	14.940000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #238  
SAN JUAN 30-5 UNIT #242

SF-078738		240.00		TRACT: 003			2.027064
SEC. 27	SW/4, E/2 NW/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 #236

DATE:10/14/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078738	T30N R5W	600.00		TRACT: 003A			5.067662
SEC. 23	W/2		ORRI:		5.000000	5.000000	
SEC. 27	NE/4, W/2 SE/4, SE/4 SE/4		ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-NEW MEXICO PARTNERS, L.P.		64.267500	64.267500	
			SAN JUAN BASIN PARTNERSHIP		3.328500	3.328500	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
							0.337844
REMARKS:	SAN JUAN 30-5 UNIT #235 SAN JUAN 30-5 UNIT #241						
SF-078738	T30N R5W	40.00		TRACT: 003B			
SEC. 26	NE/4 SW/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-NEW MEXICO 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 #246						
SF-078738	T30N R5W	160.00		TRACT: 003C			
SEC. 26	NW/4		ORRI:		3.500000	3.500000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS-NEW MEXICO PARTNERS L.P.		68.880000	68.880000	
			WILLIAMS PRODUCTION COMPANY		15.120000	15.120000	
			TOTAL		100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #246						
							1.351377

EFFECTIVE 09/01/95



DATE:10/14/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078739	T30N R5W SEC. 21 E/2, SW/4	480.00		TRACT: 004			4.054129
	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 SAN JUAN 30-5 UNIT #229							
SF-078739	T30N R5W SEC. 28 W/2 E/2, E/2 SE/4	240.00		TRACT: 004A			2.027064
	ORRI:				1.000000	1.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				70.930000	70.930000	
	PHILLIPS-SAN JUAN PARTNERS, L.P.				15.570000	15.570000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #227							
SF-078739	T30N R5W SEC. 28 W/2	320.00		TRACT: 004B			2.702753
	ORRI:				1.000000	1.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:				67.383500	67.383500	
	PHILLIPS-NEW MEXICO PARTNERS, L.P.				3.546500	3.546500	
	SAN JUAN BASIN PARTNERSHIP				15.570000	15.570000	
	WILLIAMS PRODUCTION COMPANY						
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #228							

DATE:10/14/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078739	T30N R5W E/2	320.00		TRACT: 004C			2.702753
	ORRI:				3.000000	3.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO PARTNERS, L.P.				65.825500	65.825500	
	SAN JUAN BASIN PARTNERSHIP				3.464500	3.464500	
	WILLIAMS PRODUCTION COMPANY				15.210000	15.210000	
	TOTAL				100.000000	100.000000	
SF-078739	T30N R5W W/2	320.00		TRACT: 004D			2.702753
	ORRI:				2.500000	2.500000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO PARTNERS, L.P.				66.215000	66.215000	
	SAN JUAN BASIN PARTNERSHIP				3.485000	3.485000	
	WILLIAMS PRODUCTION COMPANY				15.300000	15.300000	
	TOTAL				100.000000	100.000000	
SF-078739	T30N R5W ALL	640.00		TRACT: 004E			5.405505
	ORRI:				1.500000	1.500000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO PARTNERS, L.P.				66.994000	66.994000	
	SAN JUAN BASIN PARTNERSHIP				3.526000	3.526000	
	WILLIAMS PRODUCTION COMPANY				15.480000	15.480000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #234

REMARKS: SAN JUAN 30-5 UNIT #240

REMARKS: SAN JUAN 30-5 UNIT #232  
SAN JUAN 30-5 UNIT #233

EFFECTIVE 09/01/95

417



COMMERCIAL RESOURCES  
(505)-827-5724

SURFACE RESOURCES  
(505)-827-5793

MINERAL RESOURCES  
(505)-827-5744

ROYALTY  
(505)-827-5772

**State of New Mexico  
Commissioner of Public Lands**

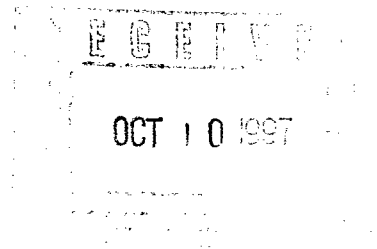
**Ray Powell, M.S., D.V.M.**  
310 Old Santa Fe Trail, P. O. Box 1148  
Santa Fe, New Mexico 87504-1148  
Phone (505)-827-5760, Fax (505)-827-5766

PUBLIC AFFAIRS  
(505)-827-5765

ADMINISTRATIVE MGMT.  
(505)-827-5700

LEGAL  
(505)-827-5713

PLANNING  
(505)-827-5752



October 7, 1997

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

Attn: Mr. S. Scott Prather

Re: San Juan 30-5 Unit  
Fruitland Participating Area  
21st Revision, Effective 9-1-1995  
Rio Arriba County, New Mexico

Dear Mr. Prather:

This office is in receipt of your letter of September 15, 1997, requesting approval of the Twenty-first expansion of the Fruitland Participating Area for the San Juan 30-5 Unit.

The Bureau of Land Management has advised this office of their approval to this expansion by their letter of September 24, 1997.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management and has this date approved the expansion of the above-mentioned participating area effective September 1, 1995.

The 21st expansion is described at the W/2 of Section 14-30N-05W and the E/2 of Section 15-30N-05W containing 640 acres.

Phillips Petroleum Company.

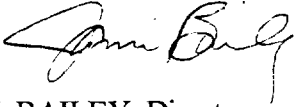
Page 2

October 7, 1997

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

Very truly yours,

RAY POWELL, M.S., D.V.M.  
COMMISSIONER OF PUBLIC LANDS

BY:   
JAMI BAILEY, Director  
Oil, Gas and Minerals Division  
(505) 827-5744

RP/JB/cpm

xc: Reader File

OCD--Mr. Roy Johnson

TRD--Mr. Valdean Severson

BLM--Mr. Duane Spencer

417

File.



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
3575 HWY. 64 NBU 3004

September 15, 1997

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. Prondo  
P. O. Box 1148  
Santa Fe, NM 87504-1148

State of New Mexico  
Oil Conservation Division  
ATTN: MR. WILLIAM J. LEMAY  
310 Old Santa Fe Trail, Room 206  
Santa Fe, NM 87504-2088

**RE: SAN JUAN 30-5 UNIT**  
**#14-08-001-346**  
**21ST EXPANSION**  
**G. F. 5397, LCN 650363**

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 date indicated below that the well listed below is capable to produce unitized substances in paying quantities from the Fruitland Formation. Therefore, this application for the Twenty First Expansion of the participating area for the Fruitland Formation is submitted for your review as follows:

Twenty First Expansion  
September 15, 1997  
Page 2

**TWENTY FIRST EXPANDED PARTICIPATING AREA-EFFECTIVE**  
**SEPTEMBER 1, 1995**

<b><u>DRILLING BLOCK</u></b>	<b><u>NEW ACRES</u></b>	<b><u>WELL NUMBER</u></b>
W/2 Section 14-30N-5W	320.00	255
E/2 Section 15-30N-5W*	320.00	----

\*INTERVENING DRILL BLOCK

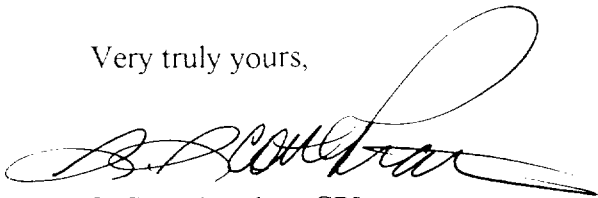
The San Juan 30-5 Unit #255 well was completed on August 31, 1995, and the Fruitland Formation was tested on this same date, with cumulative gas production of 177,730 mcf through June 30, 1997. The spacing unit for this well is described as the W/2 Section 14-30N-5W, Rio Arriba County, NM, containing 320.00 acres, MOL.

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, inclusion of the above noted Drilling Block as a part of the Participating Area will provide for the E/2 Section 15-30N-5W, Rio Arriba County, NM to be included in the Participating Area as an Intervening Drill Block.

Enclosed herewith is Schedule XXII for the Twenty First Expanded Participating Area for the Fruitland Formation of the San Juan 30-5 Unit Area. These schedules describe the participating areas and indicate the percentages of unitized substances allocated to the unit tracts according to the Fruitland ownership of such tracts.

Unless this application is disapproved or contested in whole or in part, the Twenty First Expanded Participating Area is effective as of September 1, 1995

Very truly yours,



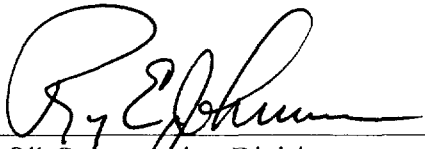
S. Scott Prather, CPL  
Senior Landman  
San Juan Basin  
(505) 599-3410

Twenty First Expansion  
September 15, 1997  
Page 3

The signatory approvals below are for the Twenty First Expanded Participating Area of the Fruitland Formation in the San Juan 30-5 Unit #14-01-008-346.

Approved \_\_\_\_\_ Date \_\_\_\_\_  
Assistant District Manager, Minerals  
Bureau of Land Management  
Subject to like approval by the  
Commissioner of Public Lands and the  
Oil Conservation Division

Approved \_\_\_\_\_ Date \_\_\_\_\_  
Commissioner of Public Lands  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Oil Conservation Division

Approved  \_\_\_\_\_ Date 9-25-97  
Oil Conservation Division  
Subject to like approval by the  
Area Oil and Gas Supervisor and the  
Commissioner of Public Lands

cc: C. D. Richard (r)Supervisors  
San Juan 30-5 Unit Owners  
J. L. Mathis (r)G. F. 5397

**SAN JUAN 30-5 UNIT  
FRUITLAND OWNERS**

AMOCO PRODUCTION COMPANY	P 103 700 679
BURLINGTON RESOURCES OIL & GAS COMPANY	P 103 700 680
DEVON ENERGY CORPORATION (NEVADA)	P 103 700 491
EJE BROWN COMPANY	P 103 700 492
FOUR STAR OIL & GAS COMPANY	P 103 700 493
H. O. & T. K. POOL TRUST	P 103 700 494
MAR OIL & GAS CORPORATION	P 103 700 495
PHILLIPS-NEW MEXICO PARTNERS, L. P.	
PHILLIPS-SAN JUAN LTD PARTNERS	
ROBERT TINNIN	P 103 700 496
RUTH ZIMMERMAN TRUST	P 103 700 497
SAN JUAN BASIN PARTNERSHIP	P 103 700 498
SUNWEST BANK OF ALBQ NA ~AGENT FOR KATHLEEN QUINN	P 103 700 499
THOMAS A & MARY E DUGAN	P 103 700 500
WILLIAMS PRODUCTION COMPANY	P 103 700 501



DATE 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-012331	T30N R5W SEC. 31 N/2	320.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 001	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	2.702753
TOTAL					100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #211 SAN JUAN 30-5 UNIT #212							
NM-012332	T30N R5W SEC. 34 ALL	640.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-NEW MEXICO PARTNERS, L.P. SAN JUAN BASIN PARTNERSHIP WILLIAMS PRODUCTION COMPANY	TRACT: 002	4.500000 12.500000 64.657000 3.403000 14.940000	4.500000 12.500000 64.657000 3.403000 14.940000	5.405505
TOTAL					100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #238 SAN JUAN 30-5 UNIT #242							
SF-078738	T30N R5W SEC. 27 SW/4, E/2 NW/4	240.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 003	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	2.027064
TOTAL					100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #236							

EFFECTIVE 09/01/95

DATE 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078738	T30N R5W SEC. 23 W/2 SEC. 27 NE/4, W/2 SE/4, SE/4 SE/4	600.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-NEW MEXICO PARTNERS, L. P. SAN JUAN BASIN PARTNERSHIP WILLIAMS PRODUCTION COMPANY	TRACT 003A	5.000000 12.500000 64.267500 3.328500 14.850000	5.000000 12.500000 64.267500 3.328500 14.850000	5.067662
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #235 SAN JUAN 30-5 UNIT #241							
SF-078738	T30N R5W SEC. 26 NE/4 SW/4	40.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS PETROLEUM COMPANY WILLIAMS PRODUCTION COMPANY	TRACT 003B	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	0.337844
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #246							
SF-078738	T30N R5W SEC. 26 NW/4	160.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS PETROLEUM COMPANY WILLIAMS PRODUCTION COMPANY	TRACT 003C	3.500000 12.500000 68.880000 15.120000	3.500000 12.500000 68.880000 15.120000	1.351377
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #246							

DATE 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078739	T30N R5W SEC. 21 E/2, SW/4	480.00	TRACT: 004				4.054129
	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 SAN JUAN 30-5 UNIT #229						
SF-078739	T30N R5W SEC. 28 W/2 E/2, E/2 SE/4	240.00	TRACT: 004A				2.7027064
	ORRI:				1.000000	1.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				70.930000	70.930000	
	WILLIAMS PRODUCTION COMPANY				15.570000	15.570000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #227						
SF-078739	T30N R5W SEC. 28 W/2	320.00	TRACT: 004B				2.702753
	ORRI:				1.000000	1.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO PARTNERS, L.P.				67.383500	67.383500	
	SAN JUAN BASIN PARTNERSHIP				3.546500	3.546500	
	WILLIAMS PRODUCTION COMPANY				15.570000	15.570000	
	TOTAL				100.000000	100.000000	
REMARKS:	SAN JUAN 30-5 UNIT #228						

EFFECTIVE 09/01/95

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DATE:09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078739	T30N R5W E/2	320.00		TRACT: 004C			2.702753
	SEC. 22						
	ORRI:				3.000000	3.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO PARTNERS, L. P.				65.825500	65.825500	
	SAN JUAN BASIN PARTNERSHIP				3.464500	3.464500	
	WILLIAMS PRODUCTION COMPANY				15.210000	15.210000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #240						
SF-078739	T30N R5W W/2	320.00		TRACT: 004D			2.702753
	SEC. 22						
	ORRI:				2.500000	2.500000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO PARTNERS, L. P.				66.215000	66.215000	
	SAN JUAN BASIN PARTNERSHIP				3.485000	3.485000	
	WILLIAMS PRODUCTION COMPANY				15.300000	15.300000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #234						
SF-078739	T30N R5W ALL	640.00		TRACT: 004E			5.405505
	SEC. 33						
	ORRI:				1.500000	1.500000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO PARTNERS, L. P.				66.994000	66.994000	
	SAN JUAN BASIN PARTNERSHIP				3.526000	3.526000	
	WILLIAMS PRODUCTION COMPANY				15.480000	15.480000	
	TOTAL				100.000000	100.000000	
	REMARKS: SAN JUAN 30-5 UNIT #232 SAN JUAN 30-5 UNIT #233						

EFFECTIVE 09/01/95

DATE: 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078740	T30N R5W	1400.00		TRACT: 005			11.824544
SEC. 19	ALL		ORRI:		5.000000	5.000000	
SEC. 20	ALL		ROYALTY:		12.500000	12.500000	
SEC. 29	N/2 NW/4, SW/4 NW/4		WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY		67.650000 14.850000	67.650000 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 #216R SAN JUAN 30-5 UNIT #223 SAN JUAN 30-5 UNIT #226						
SF-078740	T30N R5W	520.00		TRACT: 005A			4.391973
SEC. 29	SW/4, SE/4 NW/4, E/2		ORRI:		4.500000	4.500000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY		68.060000 14.940000	68.060000 14.940000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #225  
SAN JUAN 30-5 UNIT #226

DATE:09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078740	T30N R5W E/2	320.00		TRACT: 005B			2.702753
	ORRI:				4.500000	4.500000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	PHILLIPS-SAN JUAN PARTNERS, L.P.				68.060000	68.060000	
	WILLIAMS PRODUCTION COMPANY				14.940000	14.940000	
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #209							
SF-078740	T30N R5W W/2	320.00		TRACT: 005C			2.702753
	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 #210							
SF-078994	T30N R5W SW/4, S/2 NW/4	880.00		TRACT: 006			7.432571
	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 #206 SAN JUAN 30-5 UNIT #207 SAN JUAN 30-5 UNIT #224							

EFFECTIVE 09/01/95

DATE 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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	T30N R5W SEC. 15 SW/4, SW/4 NW/4	200.00	TRACT: 006A				1.669221
	ORRI:	5.000000			5.000000		
	ROYALTY:	12.500000			12.500000		
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO 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 #239						
SF-078997	T30N R5W SEC. 6 SE/4 SW/4 SEC. 7 N/2, N/2 SE/4, SE/4 SE/4, NW/4 SW/4	520.00	TRACT: 007				4.391973
	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 SAN JUAN 30-5 UNIT #204 SAN JUAN 30-5 UNIT #205						
SF-078997	T30N R5W SEC. 15 E/2 NW/4, NW/4 NW/4	120.00	TRACT: 007A				1.013532
	ORRI:	5.000000			5.000000		
	ROYALTY:	12.500000			12.500000		
	WORKING INTEREST:						
	PHILLIPS-NEW MEXICO 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 #239						

DATE:09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-078997	T30N R5W SECTION 15 E/2	320	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS PETROLEUM COMPANY WILLIAMS PRODUCTION COMPANY	TRACT: 007B	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	2.702753
	TOTAL				100.000000	100.000000	
REMARKS: INTERVENING DRILL BLOCK							
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	2.363051
	TOTAL				100.000000	100.000000	
REMARKS: SAN JUAN 30-5 UNIT #203							
NM-012335	T30N R5W SEC. 31 S/2	320.00	ORRI: ROYALTY: WORKING INTEREST: PHILLIPS-SAN JUAN PARTNERS, L.P. WILLIAMS PRODUCTION COMPANY	TRACT: 012	5.000000 12.500000 67.650000 14.850000	5.000000 12.500000 67.650000 14.850000	2.702753
	TOTAL				100.000000	100.000000	

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

EFFECTIVE 09/01/95



DATE: 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-06538	T30N R5W SEC. 14 W/2	320.00		TRACT: 015			2.702753
	ORRI:				0.000000	0.000000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	BURLINGTON RESOURCES				63.4531250	69.4531250	
	THOMAS A. & MARY E. DUGAN				1.9140625	1.9140625	
	MAR OIL & GAAS CORPORATION				2.7343750	2.7343750	
	KATHLEEN QUINN (SUNWEST BANK-ALBQ.)				1.2760388	1.2760388	
	ROBERT P. TINNIN				0.4785200	0.4785200	
	RUTH ZIMMERMAN TRUST				0.6380237	0.6380237	
	EJE BROWN COMPANY				3.8281250	3.8281250	
	DEVON ENERGY CORPORATION				1.9140625	1.9140625	
	H. O. & T. K. POOL TRUST				3.8281250	3.8281250	
	LANGDON D. HARRISON TRUST				1.4355425	1.4355425	
	TOTAL				100.0000000	100.0000000	
E-347-40	T30N R5W SEC. 16 N/2 NW/4	80.00		TRACT: 017A			0.675688
	ORRI:				4.750000	4.750000	
	ROYALTY:				12.500000	12.500000	
	WORKING INTEREST:						
	TEXACO EXPLORATION & PRODUCTION INC.				67.855000	67.855000	
	WILLIAMS PRODUCTION COMPANY				14.895000	14.895000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #219

EFFECTIVE 09/01/95

DATE 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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-347-36	T30N R5W SEC. 32 NW/4	160.00		TRACT 017B			1.351377
	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	T30N R5W SEC. 32 NE/4	160.00		TRACT 017C			1.351377
	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	T30N R5W SEC. 16 S/2 NW/4	80.00		TRACT 017D			0.675688
	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 XXII  
THE 021 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
E-347-38	T30N R5W	480.00		TRACT: 017F			4.054129
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			1.351377
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

DATE 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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
FEE	T30N R5W SEC. 17 NE/4	160.00		TRACT: 020			1.351377
	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			1.351377
	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			1.351377
	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 09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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
FEE	T30N R5W	80.00		TRACT: 023			0.675688
	SEC. 27 W/2 NW/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 #236

FEE	T30N R5W	80.00		TRACT: 023A			0.675688
	SEC. 28 E/2 NE/4		ORRI: ROYALTY: WORKING INTEREST: AMOCO 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 #227

FEE	T30N R5W	160.00		TRACT: 024			1.351377
	SEC. 26 S/2 SW/4, NW/4 SW/4		ORRI: ROYALTY: WORKING INTEREST: WILLIAMS PRODUCTION COMPANY		0.000000 12.500000 87.500000	0.000000 12.500000 87.500000	
	SEC. 27 NE/4 SE/4						
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #235  
SAN JUAN 30-5 UNIT #246

DATE:09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 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
FEE	T30N R5W	76.00		TRACT: 025			0.641904
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 35.875000 51.625000	0.000000 12.500000 35.875000 51.625000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #224

FEE	T30N R5W	4.00		TRACT: 025A			0.033784
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 35.875000 51.625000	0.000000 12.500000 35.875000 51.625000	
	TOTAL				100.000000	100.000000	

REMARKS: SAN JUAN 30-5 UNIT #224

TOTAL 11839.78

100.000000

DATE:09/15/97

PHILLIPS PETROLEUM COMPANY  
SCHEDULE XXII  
THE 021 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION  
SAN JUAN 30-5 UNIT AREA  
R E C A P I T U L A T I O N

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 14 : W/2  
SECTION 15 : ALL  
SECTION 16 : W/2  
SECTION 17 : ALL  
SECTION 18 : ALL  
SECTION 19 : ALL  
SECTION 20 : ALL  
SECTION 21 : ALL  
SECTION 22 : ALL  
SECTION 23 : W/2  
SECTION 26 : W/2  
SECTION 27 : ALL  
SECTION 28 : ALL  
SECTION 29 : ALL  
SECTION 30 : ALL  
SECTION 31 : ALL  
SECTION 32 : ALL  
SECTION 33 : ALL  
SECTION 34 : E/2

TOTAL ACRES COMMITTED: 11839.78 TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 11839.78