PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 209
Fruitland Coal
NE/4 Section 17, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	3/30/90		
Date of Commerciality Submittal:			
Well Cost Data			
Total Well Costs:	$275,000		
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	138,904	65,200
1991	304,130	32,575
1992	352,420	32,575
1993	346,500	32,575
1994	323,360	32,575
1995	303,690	32,575
1996	285,090	32,575
1997	267,540	32,575
1998	251,170	32,575
1999	235,940	32,575
2000	222,360	32,575
2001	210,050	32,575
2002	198,860	32,575
2003	188,780	32,575
2004	179,530	32,575

** Operating Expenses were not escalated for inflation.

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Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size

San Juan 29-6 #209 FRT (API #30-039-24580) 11-30-89

NE/4 Sec. 17, T29N, R6W	Arapahoe				9-5/8"	5-1/2"		
Rio Arriba County, NM	#2	0	18'	18'	500'	3675'	1	12-1/4"

Present Operation: Drilling surface hole w/ spud mud & bit #1 (12-1/4" HTC ASI).
Recap: MOL & RU. Drilled RH & MH. Spudded well at 0500 hrs 11/30/89.
Location Cost: $9,562 Daily Cost: $1,986
Cumulative Cost: $11,548 AFE Cost: $420,101
SCW/ch

San Juan 29-6 #209 FRT (API #30-039-24580) 12-1-89

NE/4 Sec. 17, T29N, R6W	Arapahoe				9-5/8"	5-1/2"		
Rio Arriba County, NM	#2	18'	545'	527'	548'	3675'	2	12-1/4"

Present Operation: WOC.
Recap: TFB #1 at 180' (12-1/4" HTC ASI). TD'd surface hole w/ spud mud & bit #2 (12-1/4" HTC SJ). Deviation- 1/2° at 545'. Circulated & conditioned hole. TOH w/ DC's. Worked bit through bridge at 470'. Ran 12 jts (531') 9-5/8", 32.30#, H-40, ST&C Lonostar smls csg. Set at 548' KB. BJ cemented w/ 280 sx (333 cu.ft.) Cl "B" w/ 3% gel & 1/4# celo-flake/sk. Displaced w/ [illegible] bbls water. Good circulation throughout job. Circulated 40 bbls good cement to surface. Plug down at 0230 hrs 12/1/89. WOC.
Revised Location Cost: $12,662 Daily Cost: $20,017
Cumulative Cost: $34,665 AFE Cost: $420,101
SCW/ch

San Juan 29-6 #209 FRT (API #30-039-24580)

NE/4 Sec. 17, T29N, R6W	Arapahoe				9-5/8"	5-1/2"		
Rio Arriba County, NM	#2	545'	1230'	685'	548'	3675'	3	7-7/8"

12-2
Present Operation: Drilling w/ Benex, water and bit #3 (7-7/8" Varel V527).
Recap: WOC 12 hrs. Pressure tested surface csg to 1500# for 30 min. Held OK. Deviation - 1/2° at 1072'.
Daily Cost: $8,135 Cumulative Cost: $42,800
AFE Cost: $420,101

San Juan 29-6 #209 (continued)

	Arapahoe				9-5/8"	5-1/2"		
12-3	#2	1230'	2763'	1533'	548'	3675'	4	7-7/8"

Present Operation: Drilling w/ Benex, water and bit #3 (7-7/8" Varel V527).
Recap: Deviations - 1/2° at 1573', 3/4° at 2136' & 3/4° at 2702'.
Daily Cost: $15,024 Cumulative Cost: $57,824
AFE Cost: $420,101

	Arapahoe				9-5/8"	5-1/2"		
12-4	#2	2763'	3448'	685'	548'	3675'	5	7-7/8"

Present Operation: Mixing mud, preparing to drill coal zone.
Recap: TFB #3 (7-7/8" Varel V527) at 2921'. Mud wt-9.0, vis-46. Deviations - 1° 2924' & 1° at 3206'.
Daily Cost: $9,608 Cumulative Cost: $67,432
AFE Cost: $420,101
SCW/KAM/ch

San Juan 29-6 #209 FRT (API #30-039-24580) 12-5-89

NE/4 Sec. 17, T29N, R6W	Arapahoe				9-5/8"	7"		
Rio Arriba County, NM	#2	3448'	3687'	239'	548'	3675'	6	7-7/8"

Present Operation: TIH after logging
Recap: Mudded up to 9.5 wt and 45 vis. Drilled w/mud and bit #4 (7 7/8" vanel V527) to TD. Top coal at 3588' Bottom of coal at 3642'. Net coal thickness - 24'.
Deviation - 1 1/2° at 3687'. Schlumberger ran DIL/GR, FDC/SNP/NGT, and Micro log. Loggers TD at 3687'.
Daily Cost: $18,600 Cumulative Cost: $86,032
AFE Cost: $420,101

ILLEGIBLE

San Juan 29-6 #209 FRT (API #30-039-24580) 12-6-89

NE/4 Sec. 17, T29N, R6W	Arapahoe				9-5/8"	7"		
Rio Arriba County, NM	#2	3687'	3687'	0'	548'	3687'	7	7-7/8"

Present Operation: Preparing to move to S.J. 29-6 #213.
Recap: TOH LDDP & DC's. Ran 87 jts (3673') 5-1/2", 15.5#, K-55, LT&C Siderca smls csg. Set at 3687' KB. FC at 3645' KB. BJ cemented w/ 475 sx (983 cu.ft.) Cl "B" 65/35 poz w/ 12% gel & 1/4# cele-flake/sk. Tailed w/ 200 sx (236 cu.ft.) Cl "B" w/ 1/4# cele-flake/sk. Displaced plug w/ 87 bbls water. Good circulation throughout job. Circulated 33 bbls good cement. Plug down at 1700 hrs 12/5/89. ND BOP & set 60,000# on slips. Barton Wellhead rep. made cut-off. Rig released at 2200 hrs 12/5/89. OFF REPORT UNTIL COMPLETION.
Daily Cost: $65,909 Cumulative Cost: $151,941
AFE Cost: $420,101

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

RUN IDENTIFICATION

SJ 29-6 # 207

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	275000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	275000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	3808318.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	3051603.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	3234701.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	3234701.
3A	LIFTING COSTS	521250.
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	521250.
4.0	INCOME BEFORE RES & TAX	2713451.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	275000.
5.0	TOTAL CAPITAL REC	165000.
6D	NET INCOME TAX	25.
7.0	PROFIT AFTER TAX	2548426.
8.0	CASH INCOME AFTER FIT	2713425.
9A	SALVAGE	110000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	2823425.
11A	CASH FLOW	2548426.

PRESENT VALUE		P.I.
@ 5.0%:	1750190.0	7.4
@ 10.0%:	1254178.0	5.6
@ 15.0%:	928509.1	4.4
@ 20.0%:	704138.7	3.6

AARR, %	76.8
BREAKEVEN(YRS)FROM 1ST INV	2.0
PAYOUT(YRS)FROM 1ST REV	2.0
NTER	10.3
ECON. LIMIT(YRS)FROM ST.	15.0

ILLEGIBLE

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 201
Fruitland Coal
NE/4 Section 6, T29N, R6W
Rio Arriba County, NM

Date of First Delivery: 12/6/90

Date of Commerciality Submittal: ______

Well Cost Data

Total Well Costs:	$295,000	
Production Taxes & Royalty:	19.87%	BLM 12.50
		Severence 3.75
		Ad Valorem 3.62

Average Product Pricing

1990-1991 1.06/MCF

Estimated Gross Annual Production and Operating Expenses

Year	Gas (MCF)	* Operating Expense ($)
1990	38,997	5,000
1991	675,000	30,960
1992	820,000	30,960
1993	813,420	30,960
1994	637,810	30,960
1995	519,320	30,960
1996	436,540	30,960
1997	374,650	30,960
1998	326,000	30,960
1999	287,630	30,960
2000	256,400	30,960
2001	231,390	30,960
2002	210,120	30,960
2003	192,370	30,960
2004	176,730	30,960

* Operating Expenses were not escalated for inflation.

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

RUN IDENTIFICATION

SJ 29-6 # 201

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	295000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	295000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	5996372.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	4804891.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	5093186.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	5093186.
3A	LIFTING COSTS	438440.
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	438440.
4.0	INCOME BEFORE RES & TAX	4654746.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	295000.
5.0	TOTAL CAPITAL REC	177000.
6D	NET INCOME TAX	45.
7.0	PROFIT AFTER TAX	4477700.
8.0	CASH INCOME AFTER FIT	4654699.
9A	SALVAGE	118000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	4772699.
11A	CASH FLOW	4477700.

PRESENT VALUE		P.I.
@ 5.0%:	3422170.0	12.6
@ 10.0%:	2718105.0	10.2
@ 15.0%:	2224038.0	8.5
@ 20.0%:	1862224.0	7.3

AARR, %	232.2
BREAKEVEN(YRS)FROM 1ST INV	0.9
PAYOUT(YRS)FROM 1ST REV	0.6
NTER	16.2
ECON. LIMIT(YRS)FROM ST.	14.1

Daily Drilling Summary - 1-6,7,8-90
Page #2

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size

San Juan 29-6 #201 ? NE/4 6-29N-6W
SW/4 Sec. 19, T30N, R5W Drake
Rio Arriba County, NM #27 2
1-6
Present Operation: Blowing well in coal zones.
Recap: Finished PU DP & TIH. Tagged cement at 3405' KB. Test pipe rams to 2000 ps
Drilled cement from 3405' to shoe at 3478' w/ 6-1/4" bit, 10,000# WOB, 100 RI
Drilled coal zones as follows:

Depth	Bckgrd Gas	Depth	Bckgrd Gas
3486'-88' (2')	100	3616'-18' (2')	0
3498'-3500' (2')	100	3622'-32' (10')	0
3508'-10' (2')	3800	3638'-40' (2')	0
3578'-80' (2')	0	3644'-50' (6')	0
3582'-84' (2')	0	3652'-54' (2')	0
3590'-92' (2')	0	3660'-62' (2')	0
3596'-3606' (10')	0	3668'-76' (8')	0
3216'-14' (2')	0	Total 56'	

TD 3679' KB. Started blowing hole w/ 2-1/2 MMSCF/D & 5 BPM wtr. Well ma approximately 600 BPD wtr. Small amount of coal - mostly small pieces. Est gas MMSCF/D.

Daily Cost: $13,726 Cum. Completion Cost: $34,101
Cum. Well Cost: $141,853 AFE Cost: $466,609

Drake
1-7 #27 3
Present Operation: Blowing well.
Recap: Blew w/ 2.5 MMCF/D air and 3 BWPM. Making some fine coal and 1000 BWPD. up into csg. Gauged well at 1400 hrs 1-6-90:

	SI for build up
0 min - 2684 MCF/D	
15 min - 2863 MCF/D	15 min - 400#
30 min - 3042 MCF/D	30 min - 800#
45 min - 3042 MCF/D	45 min - 950#
60 min - 3042 MCF/D	60 min - 1000#

Cleaned out 5' of fill to bottom. Blew w/ 2.5 MMCF/D air and 1/2 BWPM w/ 50 bbl every 30 min. Making a lot of fine coal on sweeps. Pulled up into csg. Gauged 1615 hrs 1-7-90:

	SI for build up
0 min - 3221 MCF/D	
15 min - 3850 MCF/D	15 min - 750#
30 min - 3937 MCF/D	30 min - 900#
45 min - 3937 MCF/D	45 min - 1100#
60 min - 3937 MCF/D	60 min - 1150#

Cleaned out 5' of fill to bottom.

Daily Cost: $8,350 Cum. Completion Cost: $42,451
Cum. Well Cost: $150,203 AFE Cost: $466,609

Drake
1-8 #27 4
Present Operation: Blowing well.
Recap: Blew w/ 2.5 MMCF/D air and 1/2 BWPM w/ 50 bbl sweeps every 30 min. Maki of fine coal on sweeps. Making about 800 BWPD. Pulled up into csg. Gauged 1400 hrs 1-7-90:

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 208
Fruitland Coal
SW/4 Section 17, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	3/30/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$275,000	
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	610,157	73,300
1991	716,170	34,175
1992	734,130	34,175
1993	613,690	34,175
1994	490,220	34,175
1995	407,310	34,175
1996	348,200	34,175
1997	303,620	34,175
1998	268,900	34,175
1999	241,140	34,175
2000	218,810	34,175
2001	200,090	34,175
2002	184,380	34,175
2003	170,690	34,175
2004	159,090	34,175

** Operating Expenses were not escalated for inflation.

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[illegible]

[illegible]	TOTAL EXPENSES	50[illegible].
[illegible]	INCOME BEFORE RES & TAX	4261[illegible].
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	275000.
[illegible]	TOTAL CAPITAL REC	165000.
6B	NET INCOME TAX	41.
7.0	PROFIT AFTER TAX	4096286.
8.0	CASH INCOME AFTER FIT	4261286.
9.	SALVAGE	110000.
10	[illegible] INCOME AFTER FIT	0.
11	CASH RETURNED	4371286.
11A	CASH FLOW	4096286.

PRESENT VALUE		P.I.
@ 5.0%:	3145302.0	12.4
@ 10.0%:	2518709.0	10.2
@ 15.0%:	2082529.0	8.6
@ 20.0%:	1764620.0	7.4

AARR, %	373.1
BREAKEVEN(YRS)FROM 1ST INV	0.6
PAYOUT(YRS)FROM 1ST REV	0.6
NTER	15.9
ECON. LIMIT(YRS)FROM ST.	15.0

ILLEGIBLE

NORTHWEST PIPELINE CORPORATION

Farmington Production and Drilling

Daily Drilling Summary

Weather: Cloudy 26º

Page: 1 of 1

Roads: Frozen

Date: 1-16-90

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size

San Juan 29-6 #208 FRT /
Sec. 17, T29N, R6W — Drake
Rio Arriba County, NM — #27 — 2

Present Operation: Blowing well w/ air.

Recap: Tested BOPs & csg to 2000# - ok. TIH w/ 6-1/4" bit on 3-1/2" drill pipe. Tagged cmt & CO to shoe at 3349'. Drill coals from 3388'-3565' (42' total) TD at 3566 Put air on well at 2.5 MMCF/D & 3 BPM water. Well making a small amount of fine coal.

Daily Cost: $10,594 — Cum. Completion Cost: $24,289
Cum. Well Cost: $139,062 — AFE Cost: $418,759
MJT/ch

San Juan 30-5 #201 FRT
Sec. 19, T30N, R5W — Big A
Rio Arriba County, NM — #22 — 3

Present Operation: Cleaning out hole w/ 8-1/2" bit.

Recap: Conditioned mud. Mud wt-10.1, vis-48. Drilled shoe at 2910' & formation 2924'. TOH for core #1. PU 7-7/8" coring tools & TIH. Cored as follows:

	Bkr. Gas Incr.	Recovery
Core #1 2924'-2954'	2000	26-1/2' - sand & shales
	(drill break 2943'-2948')	3-1/2' - coal (mostly gone)

PU 8-1/2" bit & TIH to drill to core point #2 at ± 3002'.

Daily Cost: $19,476 — Cum. Completion Cost: $38,336
Cum. Well Cost: $178,397 — AFE Cost: $468,364
MJT/ch

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit# 206
Fruitland Coal
NE/4 Section 4, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	3/21/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$310,000	
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	102,023	76,625
1991	185,000	33,650
1992	287,000	33,650
1993	307,000	33,650
1994	298,000	33,650
1995	283,000	33,650
1996	264,000	33,650
1997	244,000	33,650
1998	226,000	33,650
1999	210,000	33,650
2000	196,000	33,650
2001	183,000	33,650
2002	172,000	33,650
2003	162,000	33,650
2004	153,000	33,650

** Operating Expenses were not escalated for inflation.

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

RUN IDENTIFICATION

SJ 29-6 # 206

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	310000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	310000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	3214509.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	2575780.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	2730330.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	2730330.
3A	LIFTING COSTS	547725.
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	547725.
4.0	INCOME BEFORE RES & TAX	2182606.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	310000.
5.0	TOTAL CAPITAL REC	186000.
6D	NET INCOME TAX	20.
7.0	PROFIT AFTER TAX	1996584.
8.0	CASH INCOME AFTER FIT	2182583.
9A	SALVAGE	124000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	2306583.
11A	CASH FLOW	1996584.

PRESENT VALUE		P.I.
@ 5.0%:	1349957.0	5.4
@ 10.0%:	943349.4	4.0
@ 15.0%:	673767.4	3.2
@ 20.0%:	486595.4	2.6

AARR, %	53.1
BREAKEVEN(YRS)FROM 1ST INV	2.5
PAYOUT(YRS)FROM 1ST REV	2.5
NTER	7.4
ECON. LIMIT(YRS)FROM ST.	14.4

NORTHWEST PIPELINE CORPORATION

Farmington Production and Drilling

Daily Drilling Summary

Weather: Cloudy 35°

Roads: Muddy

Date: 1-31-90

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size

San Juan 29-5 #203 FRT
NE/4 Sec. 6, T29N, R5W — Drake
Rio Arriba County, NM — #27 — 6

Present Operation: Rig released at 1000 hrs 1-30-90.

Recap: ND BOPs & NU wellhead. Pumped out plug & attempted to gauge well up tbg. Well logged off. SI & moved to 29-6 #207. OFF REPORT.

Daily Cost: $2,400 — Cum. Completion Cost: $98,429
Cum. Well Cost: $199,872 — AFE Cost: $397,463
MJT/ch

San Juan 29-6 #207 FRT
SW/4 Sec. 2, T29N, R6W — Drake
Rio Arriba County, NM — #27

Present Operation: PU drill pipe & TIH.

Recap: MOL & RU. NU & test BOPs to 2000# - ok. PU 6-1/4" bit & began TIH.

Daily Cost: $15,825 — Cum. Completion Cost: $15,825
Cum. Well Cost: $115,574 — AFE Cost: $648,109
MJT/ch

San Juan 29-6 #206 FRT
Sec. 4, T29N, R6W — Big A
Rio Arriba County, NM — #22 — 2

Present Operation: TOH for core #2.

Recap: Circulate hole clean & TOH. PU core barrel & TIH. Cut core #1.

Core/Depth	Increase Bkgrd Gas	Recovery (30' total)
Core #1 - 3073'-3103'	50 units	4' coal
		12' - carb. shale
		14' - s/shale

TIH w/ 8-1/2" bit & drilled to 3120' (core #2 top). Conditioned mud & hole. Mud wt-10.6, vis-55.

Daily Cost: $14,246 — Cum. Completion Cost: $36,094
Cum. Well Cost: $184,055 — AFE Cost: $508,711
MJT/ch

NORTHWEST PIPELINE CORPORATION

Farmington Production and Drilling

Daily Drilling Summary

Weather: Cloudy 26°

Roads: Muddy Date: 2-01-90

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size
San Juan 29-6 #206 FRT NE/4 Sec. 4, T29N, R6W Rio Arriba County, NM	Big A #22						3	

Present Operation: Circulating & conditioning hole at 3172'.

Recap: TOH & ran core #2.

Core/Depth	Bkgr. Gas Increase	Recovery
Core #2 - 3120'-3150'	975	11' - sand
		3-1/2' - coal
		12' - shale
		26-1/2' Total

TIH & drilled to 3172' (core pt. #3). Began conditioning hole. Mud wt-10.9, vis-53.

Daily Cost: $13,403 Cum. Completion Cost: $49,497

Cum. Well Cost: $197,458 AFE Cost: $508,711

MJT/ch

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size
San Juan 29-6 #207 FRT SW/4 Sec. 2, T29N, R6W Rio Arriba County, NM	Drake #27						2	

Present Operation: Blowing well w/ 2.5 MMCF/D air & 3 BPM wtr.

Recap: TIH w/ 6-1/4" bit & drilled shoe & formation (shoe at 3154').

Coals		Bkgr. Gas Increase
3195'-3201'	6'	700 units
3217'-3229'	12'	2000 units
3232'-3242'	10'	Detector at max. reading for bkgr gas
3310'-3315'	5'	
3317'-3327'	10'	
3331'-3333'	2'	
3334'-3350'	16'	
3354'-3363'	9'	
Total	70'	

TD at 3368'. Estimated top of PC at 3378'. Blew well w/ 1.2 MCF/D and 3 BPM wtr. Well making moderate amount of fine coal. Gauged well at 0415 hrs 2-1-90.

0 min - 492 MCF/D (SI)
15 min - 752 MCF/D - 200#
30 min - 1065 MCF/D - 350#
45 min - 1236 MCF/D - 500#
60 min - 1520 MCF/D - 580#

TIH and tagged 3' of fill.

Daily Cost: $10,450 Cum. Completion Cost: $26,275

Cum. Well Cost: $126,024 AFE Cost: $648,109

MJT/ch

NORTHWEST PIPELINE CORPORATION

Farmington Production and Drilling

Daily Drilling Summary

Weather: Snowing 31°

Roads: Snow Packed

Date: 2-02-90

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size
San Juan 29-6 #206 FRT NE/4 Sec. 4, T29N, R6W Rio Arriba County, NM	Big A #22						4	

Present Operation: Cutting core #4.

Recap: TOH & TIH to cut core #3.

Core/Depth	Bkgr. Gas Increase	Recovery
Core #3 - 3172'-3199'	0	8-1/2' - sandstone
		15-1/2' - shaley sand
		3' - coal
		27' total

Cutting core #4. Mud wt-10.7, vis-53.

Daily Cost: $11,134

Cum. Well Cost: $208,592

Cum. Completion Cost: $60,631

AFE Cost: $508,711

MJT/ch

Well Name & Number Location	Contr. Rig #	Day #
San Juan 29-6 #207 FRT SW/4 Sec. 2, T29N, R6W Rio Arriba County, NM	Drake #27	3

Present Operation: Blowing well.

Recap: Blew well w/ 2.5 MMCF/D air and 50 bbl wtr sweeps every 30 min. Making quite bit of coal and shale (1/2" minus). Pulled up into csg. Gauged well at 1400 hr 2-1-90.

0 min - 1065 MCF/D (SI)
15 min - 1236 MCF/D - 340#
30 min - 1808 MCF/D - 440#
45 min - 1865 MCF/D - 600#
60 min - 1865 MCF/D - 620#

Cleaned out 5' of fill to TD. Blew well as above. Making approximately 700 BWPD. Pulled up into csg. Gauged well at 0415 hrs 2-2-90.

0 min - 2100 MCF/D (SI)
15 min - 1520 MCF/D - 420#
30 min - 2416 MCF/D - 680#
45 min - 2684 MCF/D - 820#
60 min - 2774 MCF/D - 920#

Cleaned out 4' of fill to TD.

Daily Cost: $7,350

Cum. Well Cost: $133,374

Cum. Completion Cost: $33,625

AFE Cost: $648,109

VM/ch

NORTHWEST PIPELINE CORPORATION

Farmington Production and Drilling

Daily Drilling Summary

Weather: Cloudy 31° Page: 1 of 4

Roads: Muddy Date: 2-3,4,5-90

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size
San Juan 29-6 #206 FRT NE/4 Sec. 4, T29N, R6W Rio Arriba County, NM	Big A #22						5	

2-3

Present Operation: Coring interval #6 at 3248'.

Recap:

Core/Depth	Bkgr. Gas Increase	Recovery
Core #4 - 3197'-3227'	0	16' - coal 5-1/2' - carb. shale 8' - sandy shale 29-1/2' total
Core #5 - 3227'-3247'	0	20' - shale 20' total

Redressed core barrel & TIH. Mud wt=10.8, vis=69.

Daily Cost: $13,481 Cum. Completion Cost: $74,112

Cum. Well Cost: $222,073 AFE Cost: $508,711

Big A #22

2-4 Day 6

Present Operation: Drilling rat Hole at 3306'.

Recap: Cut core #6.

Core/Depth	Bkgr. Gas Increase	Recovery
Core #6 - 3247'-3267'	0	3-1/2' - coal 16' - shale 19-1/2' total

PU 8-1/2" bit & TIH to clean out & drill rat hole. Mud wt=11.2, vis=71. Expect TD 3320'.

Daily Cost: $15,312 Cum. Completion Cost: $89,424

Cum. Well Cost: $237,985 AFE Cost: $508,711

Big A #22

2-5 Day 7

Present Operation: Preparing to cement PC (3320'-3280').

Recap: TD well at 3320'. Conditioned hole & TOH. Schlumberger ran: DIL/G FDC/CNL/GR, BHC, Spectral GR, Microlog. Logger TD at 3322'. PU 6-1/4" bit, ten 4-3/ DC & TIH on 3-1/2" drill pipe. CO to bottom. RU Dowell to prepare to cement. Top PC at 3295'.

Daily Cost: $19,539 Cum. Completion Cost: $108,963

Cum. Well Cost: $257,524 AFE Cost: $508,711

MJT/ch

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 207
Fruitland Coal
SW/4 Section 2, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	3/8/90	
Date of Commerciality Submittal:		

Well Cost Data

Total Well Costs:	$243,000		
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	629,190	113,750
1991	720,290	37,100
1992	822,440	37,100
1993	726,270	37,100
1994	598,810	37,100
1995	507,910	37,100
1996	441,140	37,100
1997	388,820	37,100
1998	346,050	37,100
1999	311,190	37,100
2000	282,330	37,100
2001	258,510	37,100
2002	238,160	37,100
2003	220,680	37,100
2004	205,230	37,100

** Operating Expenses were not escalated for inflation.

#1 comdet2.dav

NORTHWEST PIPELINE CORPORATION

Farmington Production and Drilling

Daily Drilling Summary

Weather: Cloudy 26º

Page: 1 of 2

Roads: Muddy

Date: 2-01-90

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size
San Juan 29-6 #206 FRT NE/4 Sec. 4, T29N, R6W Rio Arriba County, NM	Big A #22						3	

Present Operation: Circulating & conditioning hole at 3172'.

Recap: TOH & ran core #2.

Core/Depth	Bkgr. Gas Increase	Recovery
Core #2 - 3120'-3150'	975	11' - sand 3-1/2' - coal 12' - shale 26-1/2' Total

TIH & drilled to 3172' (core pt. #3). Began conditioning hole. Mud wt-10.9, vis-53.

Daily Cost: $13,403

Cum. Completion Cost: $49,497

Cum. Well Cost: $197,458

AFE Cost: $508,711

MJT/ch

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size
San Juan 29-6 #207 FRT SW/4 Sec. 2, T29N, R6W Rio Arriba County, NM	Drake #27						2	

Present Operation: Blowing well w/ 2.5 MMCF/D air & 3 BPM wtr.

Recap: TIH w/ 6-1/4" bit & drilled shoe & formation (shoe at 3154').

Coals		Bkgr. Gas Increase
3195'-3201'	6'	700 units
3217'-3229'	12'	2000 units
3232'-3242'	10'	Detector at max. reading for bkgr gas
3310'-3315'	5'	
3317'-3327'	10'	
3331'-3333'	2'	
3334'-3350'	16'	
3354'-3363'	9'	
Total	70'	

TD at 3368'. Estimated top of PC at 3378'. Blew well w/ 1.2 MCF/D and 3 BPM wtr. Well making moderate amount of fine coal. Gauged well at 0415 hrs 2-1-90.

0 min - 492 MCF/D (SI)
15 min - 752 MCF/D - 200#
30 min - 1065 MCF/D - 350#
45 min - 1236 MCF/D - 500#
60 min - 1520 MCF/D - 580#

TIH and tagged 3' of fill.

Daily Cost: $10,450

Cum. Completion Cost: $26,275

Cum. Well Cost: $126,024

AFE Cost: $648,109

MJT/ch

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 212
Fruitland Coal
SW/4 Section 30, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	4/11/90		
Date of Commerciality Submittal:			
Well Cost Data			
Total Well Costs:	$283,000		
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	58,292	4,200
1991	38,000	16,050
1992	60,000	16,050
1993	58,200	16,050
1994	56,500	16,050
1995	54,800	16,050
1996	53,100	16,050
1997	51,500	16,050
1998	50,000	16,050
1999	48,500	16,050
2000	47,000	16,050
2001	45,600	16,050
2002	44,200	16,050
2003	42,900	16,050
2004	41,600	16,050

** Operating Expenses were not escalated for inflation.

#1 comdet13.dav

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

RUN IDENTIFICATION

SJ 29-6 # 212

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	283000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	283000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	750192.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	601129.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	637197.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	637197.
3A	LIFTING COSTS	228900.
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	228900.
4.0	INCOME BEFORE RES & TAX	408296.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	283000.
5.0	TOTAL CAPITAL REC	169800.
6D	NET INCOME TAX	2.
7.0	PROFIT AFTER TAX	238494.
8.0	CASH INCOME AFTER FIT	408294.
9A	SALVAGE	113200.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	521494.
11A	CASH FLOW	238494.

PRESENT VALUE		P.I.
@ 5.0%:	70061.4	1.2
@ 10.0%:	-25151.8	0.9
@ 15.0%:	-82796.1	0.7
@ 20.0%:	-119954.4	0.6

AARR, %	8.4
BREAKEVEN(YRS)FROM 1ST INV	9.3
PAYOUT(YRS)FROM 1ST REV	9.3
NTER	1.8
ECON. LIMIT(YRS)FROM ST.	15.0

Location	Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size

San Juan 29-6 #212 FRT 12-13-89
SW/4 Sec. 30, T29N, R6W — Arapahoe
Rio Arriba County, NM — #2 — 0 — 456' — 456' — 9-5/8" 500' — 5-1/2" 3570' — 1 — 12-1/4"

Present Operation: Drilling surface hole.
Recap: MOL & RU. Spud well at 2230 hrs 12/12/89. Drilling w/ bit #1 (12-1/4" HTC).
Location Cost: $10,884 Daily Cost: $7,931
Cumulative Cost: $18,815 AFE Cost: $411,741
PGT/ch

San Juan 29-6 #212 FRT 12-14-8
SW/4 Sec. 30, T29N, R6W — Arapahoe
Rio Arriba County, NM — #2 — 456' — 542' — 86' — 9-5/8" 500' — 5-1/2" 3570' — 2 — 12-1/4"

Present Operation: Drilling cmt w/ water & bit #2 (7-7/8" Varel V527).
Recap: TD'd surface hole w/ spud mud & bit #1 (12-1/4" HTC, DSJ). Deviation - 1/2° a 542'. Ran 12 jts (524') 9-5/8", 32.3#, H-40, ST&C Lonestar ERW. Set at 539' KB Western cemented w/ 320 sx (381 cu.ft.) Cl "B" w/ 3% $CaCl_2$ & 1/4# cele-flake/sk. Displaced w/ 39 bbls wtr. Circulated 16 bbls cmt. Plug down at 1215 hrs 12/13/89. WO 12 hrs. Pressure tested blind rams and pipe rams for 30 min each, held ok.
Daily Cost: $17,739 Cumulative Cost: $36,554
AFE Cost: $411,741
MAM/ch

San Juan 29-6 #212 FRT 12-15-89
SW/4 Sec. 30, T29N, R6W — Arapahoe
Rio Arriba County, NM — #2 — 542' — 2110' — 1568' — 9-5/8" 500' — 5-1/2" 3570' — 3 — 7-7/8"

Present Operation: Drilling w/ Benex, wtr & bit #2 (7-7/8" Varel V527).
Recap: Deviations - 1/2° at 950', 1/2° at 1451' and 3/4° at 1981'.
Daily Cost: $14,990
AFE Cost: $411,741 Cumulative Cost: $51,544
SCW/ch

San Juan 29-6 #212 FRT
SW/4 Sec. 30, T29N, R6W — Arapahoe
Rio Arriba County, NM — #2 — 2110' — 2855' — 745' — 9-5/8" 539' — 5-1/2" 3570' — 4 — 7-7/8
12-16
Present Operation: Drilling w/ Benex, wtr & bit #3 (7-7/8" Varel V527).
Recap: TFB #2 at 2808'. Deviations - 3/4° at 1981' and 3/4° at 2480'.
Daily Cost: $9,478 Cumulative Cost: $61,022
AFE Cost: $411,741

Arapahoe — 9-5/8" — 5-1/2"
12-17 — #2 — 2855' — 3571' — 716' — 539' — 3600' — 5 — 7-7/8
Present Operation: Drilling w/ $CaCO_3$ mud & bit #3 (7-7/8" Varel V527).
Recap: Deviation - 3/4° at 2808'. Mud wt=9.5, vis-40.
Daily Cost: $11,190 Cumulative Cost: $72,212
AFE Cost: $11,741

Arapahoe — 9-5/8" — 5-1/2"
12-18 — #2 — 3571' — 3600' — 29' — 539' — 3600' — 6 — 7-7/8
Present Operation: Preparing to move to S.J. 29-6 Unit #201.
Recap: TD'd well at 3600' w/ $CaCO_3$ mud & bit #3 (7-7/8" Varel V527). Mud wt- vis-41. Circulated & conditioned hole for logs. Deviation - 1° at 3600'. Made s trip. Hole ok. TOH w/ DP & DCs. RU Schlumberger & ran DIL/PD/FDC/HRL & N Microlog. Loggers TD at 3600'. Top of coal at 3435'. Bottom of coal at 3525'. coal thickness = 46'. Background gas increases:
3440' - 3473' 1250 units
3481' - 3486' 1250 units
3491' - 3497' 1250 units
3505' - 3510' 1250 units
3516' - 3531' 1250 units.
RD Schlumberger. TIH after logs. LDDP & DCs. Ran 85 jts (3587') 5-1/2", 15.5#, K LT&C Siderca smls csg. Set at 3601' KB. FC at 3558' KB. Western cemented w/ 45 (932 cu.ft.) Cl "B" 65/35 poz w/ 12% gel & 1/4# cele-flake/sk. Tailed w/ 200 sx cu.ft.) Cl "B" w/ 1/4# cele-flake/sk. Displaced w/ 85 bbls wtr. Lost circulatio bbls into displacement. Slowed rate & regained circulation 48 bbls into displacem Circulated 28 bbls good cement to pit. Plug down 0300 hrs 12/18/89. ND BOP & 60,000# on slips. Barton Wellhead rep. made cut-off. Rig released at 0800 12/18/89. OFF REPORT UNTIL COMPLETION.
Daily Cost: $54,857 Cumulative Cost: $127,069
AFE Cost: $411,741
SCW/ch

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 213
Fruitland Coal
NE/4 Section 30, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	4/10/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$240,000	
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	85,911	3,475
1991	100,000	17,800
1992	146,000	17,800
1993	148,000	17,800
1994	140,000	17,800
1995	135,000	17,800
1996	131,000	17,800
1997	127,000	17,800
1998	124,000	17,800
1999	121,000	17,800
2000	118,000	17,800
2001	115,000	17,800
2002	112,000	17,800
2003	109,000	17,800
2004	106,000	17,800

** Operating Expenses were not escalated for inflation.

#1 comdet5.dav

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

RUN IDENTIFICATION

SJ 29-6 # 213

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	240000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	240000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	1817911.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	1456689.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	1544091.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	1544091.
3A	LIFTING COSTS	252675.
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	252675.
4.0	INCOME BEFORE RES & TAX	1291418.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	240000.
5.0	TOTAL CAPITAL REC	144000.
6D	NET INCOME TAX	11.
7.0	PROFIT AFTER TAX	1147405.
8.0	CASH INCOME AFTER FIT	1291405.
9A	SALVAGE	96000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	1387404.
11A	CASH FLOW	1147405.

PRESENT VALUE		P.I.
@ 5.0%:	728605.9	4.0
@ 10.0%:	477493.0	3.0
@ 15.0%:	317917.9	2.3
@ 20.0%:	211123.2	1.9

AARR, %	41.7
BREAKEVEN(YRS)FROM 1ST INV	3.0
PAYOUT(YRS)FROM 1ST REV	3.0
NTER	5.8
ECON. LIMIT(YRS)FROM ST.	15.0

Well Name & Number Location	Contr. Rig #	Depth Yes'day	Depth Today	Feet Drld	Csg Sz Depth	Proj'd TD	Day #	Hole Size
San Juan 29-6 #213 FRT (API# 30-039-24581)								
NE/4 Sec. 30, T29N, R6W	Arapahoe				9-5/8"	5-1/2"		
Rio Arriba County, NM	#2	986'	2587'	1601'	232'	3360'	3	7-7/8"
12-9								

Present Operation: Drilling with Benex, water and bit #2 (7-7/8" Varel V527).
Recap: Deviations - 1/2° at 1265', 3/4° at 1805° & 3/4° at 2305'.
Daily Cost: $15,288 Revised Cum. Cost: $51,368
AFE Cost: $407,682

San Juan 29-6 #213 (continued)

	Arapahoe				9-5/8"	5-1/2"		
12-10	#2	2587'	3082'	495'	232	3360'	4	7-7/8"

Present Operation: Drilling w/ mud & bit #3 (7-7/8" Reed FB52).
Recap: TFB #2 at 2705'. Deviation - 3/4° at 2705'. Mud wt-9.4, vis-52.
Daily Cost: $7,543 Cumulative Cost: $58,911
AFE Cost: $407,682

	Arapahoe				9-5/8"	5-1/2"		
12-11	#2	3082'	3360'	278'	232'	3360'	5	7-7/8"

Present Operation: Circulating & conditioning mud for short trip.
Recap: Work on C-250 pump motor. TFB #3 at 3190' (7-7/8" Reed FB52). Deviation - 1/2° at 3178'. TD'd well at 3360' w/ bit #4 (7-7/8" Varel V527). Begin circulating & conditioning hole. Mud wt-9.5, vis-52.
Daily Cost: $6,280 Cumulative Cost: $65,191
AFE Cost: $407,682
SCW/ch

San Juan 29-6 #213 FRT (API# 30-039-24581) 12-12-89								
NE/4 Sec. 30, T29N, R6W	Arapahoe				9-5/8"	5-1/2"		
Rio Arriba County, NM	#2	3360'	3360'	0'	232'	3360'	6	7-7/8"

Present Operation: Preparing to move to S.J. 29-6 #212.
Recap: Circulated & conditioned hole for logs. Mud wt-9.5, vis-52. Deviation - 1° at 3360'. Made short trip. Hole ok. TOH w/ drill pipe and drill collars. RU Halliburton Logging Services. Halliburton ran DIL/GR/FDC/SNP/NGT and microlog. Loggers TD at 3348'. Top of coal at 3187', bottom of coal at 3290'. Net coal thickness - 50'. Ran 79 jts (3374') 5-1/2", 15.5#, K-55, LT&C Siderca smls csg. Set at 3350' (FC at 3310' KB). BJ cemented w/ 380 sx (787 cu.ft.) 65/35 poz w/ 12% gel & 1/4# cele-flake/sk. Tailed w/ 200 sx (236 cu.ft.) Cl "B" w/ 1/4# cele-flake/sk. Displaced plug w/ 79 bbls wtr. Lost circulation 55 bbls into displacement. Slowed rate & regained circulation 10 bbls short of displacement. Did not circulate cement. Plug down at 0600 hrs 12/12/89. ND BOP. Set 50,000# on slips & Barton Wellhead rep. made cut-off. Rig released at 1000 hrs 12/12/89. Will run temperature survey this date.
Daily Cost: $51,021 Cumulative Cost: $116,212
AFE Cost: $407,682
SCW/ch

San Juan 29-6 #213 FRT (API# 30-039-24581) 12-13-89
NE/4 Sec. 30, T29N, R6W
Rio Arriba County, NM 3360' 7
Present Operation: Off report until completion.
Recap: Wilson ran temperature survey & found TOC at 50'. PBTD at 3287'.
Daily Cost: $500 Cumulative Cost: $116,712
AFE Cost: $407,682
PCT/ch

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 214
Fruitland Coal
NE/4 Section 3, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	5/3/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$270,500	
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	341,849	84,675
1991	1,138,900	38,442
1992	1,096,600	38,442
1993	954,710	38,442
1994	750,690	38,442
1995	617,560	38,442
1996	524,640	38,442
1997	455,490	38,442
1998	401,880	38,442
1999	359,150	38,442
2000	324,720	38,442
2001	296,270	38,442
2002	272,270	38,442
2003	251,630	38,442
2004	234,060	38,442

** Operating Expenses were not escalated for inflation.

#1 comdet6.dav

ECONOMIC EVALUATION OF [illegible]

[illegible] EXPENDITURES PRODUCTION OR PROPERTY ACQUISITION

PROGRAM NO. [illegible]

[illegible] IDENTIFICATION

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible] EQUIPMENT	[illegible]
[illegible]	[illegible]	0.
[illegible]	TOTAL CAPITAL [illegible]	[illegible]
[illegible]	[illegible] OIL SALES	[illegible]
[illegible]	[illegible]	[illegible]114.
[illegible]	[illegible] LIQUID SALES	0.
[illegible]	NET OIL SALES	0.
[illegible]	NET [illegible] SALES	642[illegible]756.
[illegible]	NET [illegible] LIQUID SALES	0.
[illegible]	NET OIL [illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible] LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	[illegible]
3A	[illegible] COSTS	622060.
[illegible]	[illegible]	0.
[illegible]	[illegible] TAX CRUDE OIL	0.
[illegible]	[illegible] TAXES	0.
3E	OTHER TAXES	0.
[illegible]	[illegible] COSTS	[illegible]
3.0	TOTAL EXPENSES	622[illegible].
4.0	INCOME BEFORE RES & TAX	6189502.
5A	COST DEPLETION	0.
5B	[illegible]	0.
5C	EXPENSED ITEMS	[illegible]
5.0	TOTAL CAPITAL REC	162300.
6B	NET INCOME TAX	[illegible]0.
7.0	PROFIT AFTER TAX	602710[illegible].
8.0	CASH INCOME AFTER FIT	61894[illegible].
9A	SALVAGE	108200.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	6297609.
11A	CASH FLOW	6027109.

PRESENT VALUE		P.I.
@ 5.0%:	4533133.0	17.9
@ 10.0%:	3628374.0	14.4
@ 15.0%:	2963072.0	12.0
@ 20.0%:	2478602.0	10.2

AARR, %	281.3
BREAKEVEN(YRS)FROM 1ST INV	1.1
PAYOUT(YRS)FROM 1ST REV	1.1
NTER	23.3
ECON. LIMIT(YRS)FROM ST.	15.0

ILLEGIBLE

API 30-39-24606

DATE: 3/1/90 | RPT. NO. 7 | WELL: S. J. 29-6 # 214

FLD.: Basin Fruit Coal | PTD (MD): 3305 FT. | RIG: Drake 27

PURPOSE OF JOB: Open Hole Completion

AFE/WO NO.: DC 828 AUTH. $: 282000 DAILY $: 11,375 CUM $: 39,480 ~~135,742~~

PRESENT OPERATION: Clean up Hole

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

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

24-HR. DETAIL REPORT:

6 Am Drilling open Hole 3106' to 3305' Drilled out 4' below Coal - Rotate & Recip while circ with water at 5 BPM - Flaring Gas Light to Moderate Coal, Large pieces up To 3/4, Making 70 BPH water —

Fruitland Coal Tops per Mudlogs

Coal interval		B.G. Gas Units
3107 - 3112	5'	3000
3164 - 3175	11	6500
3182 3188	6'	
3246 3248	2'	
3252 3264	12'	
3268 - 3286	18'	
3pm 3288 3300	12	6500

3pm R & R with water 1 To 5 BPM with 10 BBL Sweeps each 1/2 Hr — Hole Sticky

6 Am when water less than 2 BPM - Some Sloughing

PHILLIPS WELLSITE SUPERVISOR: D. Green

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 216
Fruitland Coal
SW/4 Section 4, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	5/22/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$300,000	
Production Taxes & Royalty:	19.87%	BLM 12.50% Servence 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

Year	Gas (MCF)	** Operating Expense ($)
1990	37,464	51,050
1991	118,170	26,289
1992	139,130	26,289
1993	151,490	26,289
1994	149,640	26,289
1995	148,300	26,289
1996	145,290	26,289
1997	140,760	26,289
1998	135,560	26,289
1999	130,340	26,289
2000	125,340	26,289
2001	120,090	26,289
2002	116,620	26,289
2003	112,910	26,289
2004	108,770	26,289

** Operating Expenses were not escalated for inflation.

#1 comdet8.dav

ECONOMIC EVALUATION OF [illegible]
[illegible] EXPENDITURES [illegible] OR PROPERTY ACQUISITION
[illegible]

RUN IDENTIFICATION

[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	TANGIBLE EQUIPMENT	[illegible]
[illegible]	INTANGIBLE [illegible] COSTS	[illegible]
[illegible]	TOT. CAPITAL OUTLAY	[illegible]
[illegible]	GROSS OIL SALES	[illegible]
[illegible]	GROSS GAS SALES	[illegible]
[illegible]	GROSS GAS LIQUID SALES	0.
[illegible]	NET OIL SALES	0.
F5	NET GAS SALES	1506[illegible].
[illegible]	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
[illegible]	NET GAS REVENUE	[illegible]
[illegible]	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	[illegible]
2.0	TOTAL NET REVENUE	[illegible]
3A	LIFTING COSTS	41[illegible].
[illegible]	GENERAL EXPENSE	[illegible]
[illegible]	EXCISE TAX CRUDE OIL	0.
[illegible]	SEVERANCE TAXES	0.
3E	OTHER TAXES	0.
[illegible]	ABANDONMENT COSTS	0.
3.0	TOTAL EXPENSES	419096.
4.0	INCOME BEFORE RES & TAX	1177626.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	300000.
5.0	TOTAL CAPITAL REC	180000.
6D	NET INCOME TAX	10.
7.0	PROFIT AFTER TAX	997617.
8.0	CASH INCOME AFTER FIT	1177616.
9A	SALVAGE	120000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	1297616.
11A	CASH FLOW	997617.

PRESENT VALUE		P.I.
@ 5.0%:	577806.2	2.9
@ 10.0%:	327936.9	2.1
@ 15.0%:	170326.2	1.6
@ 20.0%:	65659.2	1.2

AARR, %	24.4
BREAKEVEN(YRS)FROM 1ST INV	4.5
PAYOUT(YRS)FROM 1ST REV	4.5
NTER[illegible]	4.3
ECON. LIMIT(YRS)FROM ST.	15.0

ILLEGIBLE

KEY: 30-039-24607

DATE: 3/23/90 | RPT. NO. 8 | WELL: SAN JUAN 29-6 #216

FLD. Basin Fruitland coal | PTD (MD): 3350 FT. | RIG: Drake #27

PURPOSE OF JOB: Open hole Completion

AFE/WO NO.: PC-820 AUTH. $: 282,000 DAILY $: 9254 CUM $: ~~56,190~~ 151,030

PRESENT OPERATION: Open hole logging

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

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

24-HR. DETAIL REPORT:

6AM Drilling Open hole From 3175 To 3350' KB

PTD - 10.1 Mud WT - 45 Vis - Pv-yp 16/4 -

Gels 2/4 - wh 6.0 - Ph 9.5 - 120 RPM - 18000 # Pts

on Bit - 3 BBls Per min @ 200 # Pump Press

Fruitland coal Producing Interval

Tops	Thickness	Gas units
3085-3084	2'	30 u
3092-3098	6'	125 u
3112-3116	4'	1850 u
3123-3125	2'	900 u
3129-3132	3'	1100 u
3135-3138	3'	1000 u
3160-3164	4'	1225 u
3183-3186	3'	990 u
3224-3232	8'	1450 u
3242-3252	8'	1625 u
11:30pm 3299-3306	7'	1540

TOTAL - 50'

PHILLIPS WELLSITE SUPERVISOR: David Green

RLF:jh 08/88

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 219
Fruitland Coal
NE/4 Section 10, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	5/3/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$302,000	
Production Taxes & Royalty:	19.87%	BLM 12.50% Servence 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

Year	Gas (MCF)	** Operating Expense ($)
1990	119,417	35,600
1991	388,000	30,930
1992	650,000	30,930
1993	585,000	30,930
1994	527,000	30,930
1995	474,000	30,930
1996	426,000	30,930
1997	384,000	30,930
1998	345,000	30,930
1999	311,000	30,930
2000	280,000	30,930
2001	252,000	30,930
2002	227,000	30,930
2003	204,000	30,930
2004	184,000	30,930

** Operating Expenses were not escalated for inflation.

#1 comdet9.dav

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

RUN IDENTIFICATION

SJ 29-6 # 219

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	302000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	302000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	5356417.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	4292093.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	4549619.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	4549619.
3A	LIFTING COSTS	468620.
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	468620.
4.0	INCOME BEFORE RES & TAX	4080999.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	302000.
5.0	TOTAL CAPITAL REC	181200.
6D	NET INCOME TAX	39.
7.0	PROFIT AFTER TAX	3899758.
8.0	CASH INCOME AFTER FIT	4080958.
9A	SALVAGE	120800.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	4201758.
11A	CASH FLOW	3899758.

PRESENT VALUE		P.I.
@ 5.0%:	2786805.0	10.2
@ 10.0%:	2073679.0	7.9
@ 15.0%:	1592340.0	6.3
@ 20.0%:	1252669.0	5.1

AARR, %	104.8
BREAKEVEN(YRS)FROM 1ST INV	1.8
PAYOUT(YRS)FROM 1ST REV	1.8
NTER	13.9
ECON. LIMIT(YRS)FROM ST.	15.0

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PHILLIPS DAILY COMPLETION/WORKOVER REPORT

KEY: 30 039-24608

DATE: 2/28/90 | RPT. NO. 8 | WELL: San Juan 29-6 #219

FLD.: Basin Fruitland Coal | PTD (MD): 3333' FT. | RIG: Drake #27

PURPOSE OF JOB: Completion

AFE/WO NO.: PC 832 AUTH. $: 282,000 DAILY $: 6605 CUM $: 137,667

PRESENT OPERATION: Cleaning up Well

SITP: PSIG @ HRS. | SITP: PSIG @ HRS. | FTP: PSIG @ HRS

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

24-HR. DETAIL REPORT: Fruitland Coal Tops

Coal Interval	Thickness	Total Gas Units
3161'-62'	1'	600 units
3172'-74'	2'	4000 "
3176'-82'	6'	3000 "
3184'-88'	4'	3000 "
3195'-96'	1'	3000 "
3220'-21'	1'	3000 "
3264'-67'	3'	4500 "
3279'-84'	5'	5000 "
3285'-96'	11'	5000 "
3297'-98'	1'	5000 "
3300'-04'	4'	5000 "
3308'-12'	5'	5000 "
3314'-18'	4'	5000 "
3326'-30'	4'	5000 "
	52' Total Thickness	

Page #2

PHILLIPS WELLSITE SUPERVISOR: [illegible]

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 215
Fruitland Coal
SW/4 Section 3, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	6/18/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$260,000	
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	74,151	17,900
1991	156,620	24,161
1992	175,560	24,161
1993	181,990	24,161
1994	166,650	24,161
1995	154,460	24,161
1996	143,130	24,161
1997	132,600	24,161
1998	123,210	24,161
1999	114,890	24,161
2000	107,640	24,161
2001	101,110	24,161
2002	95,754	24,161
2003	90,986	24,161
2004	86,324	24,161

** Operating Expenses were not escalated for inflation.

#1 comdet7.dav

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

RUN IDENTIFICATION

[illegible] 215

DIFFERENCE SUMMARY

[illegible]	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	260000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	260000.
F1	GROSS OIL SALES	0.
F2	GROSS GAS SALES	1605074.
F3	GROSS GAS LIQUID SALES	0.
F4	NET OIL SALES	0.
F5	NET GAS SALES	1526534.
F6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	1618126.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	1618126.
3A	LIFTING COSTS	356154.
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	356154.
4.0	INCOME BEFORE RES & TAX	1261973.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	260000.
5.0	TOTAL CAPITAL REC	156000.
6D	NET INCOME TAX	11.
7.0	PROFIT AFTER TAX	1105963.
8.0	CASH INCOME AFTER FIT	1261961.
9A	SALVAGE	104000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	1365960.
11A	CASH FLOW	1105963.

PRESENT VALUE		P.I.
@ 5.0%:	720596.7	3.8
@ 10.0%:	483724.2	2.9
@ 15.0%:	329167.4	2.3
@ 20.0%:	222967.4	1.9

AARR, %	42.0
BREAKEVEN(YRS)FROM 1ST INV	2.8
PAYOUT(YRS)FROM 1ST REV	2.8
NTER	5.3
ECON. LIMIT(YRS)FROM ST	15.0

ILLEGIBLE

KEY:

DATE: 4/23/90 | RPT. NO. 6 | WELL: San Juan 29-6 # 215

FLD.: Basin Fruitland Coal | PTD (MD): 3385 FT. | RIG: Drake 27

PURPOSE OF JOB: Open Hole Completion

AFE/WO NO.: PC893 AUTH. $: 269,000 DAILY $: 8367 CUM $: 18,367 126,127

PRESENT OPERATION: Clean out open Hole

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 Drill Cmt, Float Shoe & 1 ft formation
To 3183 – Circ Bottoms up &
Correlate with mud loggers –

12 pm Drill open Hole interval 3183' To
3385'
Coal intervals as listed

3203 – 3206'	3'	1200	B.Ground Gas
3223 – 3225'	2'	1300	"
3226 – 3228	2'	1600	"
3240 – 3244	4'	1300	"
3324 – 3332	8'	3600-3800	"
3339 – 3345	6"	"	"
3347 – 3350	3"	"	"
	28' Total Coal		

4 AM unload Hole with Air
Rotate & Recip with 1.40 To .7 MMCFD
& 3 To 5 BBL Water Sweep each 30 min

6 AM – at 3382'

PHILLIPS WELLSITE SUPERVISOR: David Green

RLF:jh 08/88

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 231
Fruitland Coal
NE/4 Section 36, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	5/18/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$270,000	
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	35,063	4,175
1991	50,000	16,400
1992	73,000	16,400
1993	71,000	16,400
1994	68,700	16,400
1995	66,600	16,400
1996	64,600	16,400
1997	62,700	16,400
1998	60,800	16,400
1999	59,000	16,400
2000	57,200	16,400
2001	55,500	16,400
2002	53,800	16,400
2003	52,200	16,400
2004	50,700	16,400

** Operating Expenses were not escalated for inflation.

#1 comdet12.dav

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

RUN IDENTIFICATION

SJ 29-6 # 231

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	270000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	270000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	880863.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	705835.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	748186.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	748186.
3A	LIFTING COSTS	233775.
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	233775.
4.0	INCOME BEFORE RES & TAX	514411.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	270000.
5.0	TOTAL CAPITAL REC	162000.
6D	NET INCOME TAX	4.
7.0	PROFIT AFTER TAX	352408.
8.0	CASH INCOME AFTER FIT	514407.
9A	SALVAGE	108000.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	622407.
11A	CASH FLOW	352407.

PRESENT VALUE		P.I.
@ 5.0%:	150102.9	1.6
@ 10.0%:	33612.4	1.1
@ 15.0%:	-37995.0	0.9
@ 20.0%:	-84684.4	0.7

AARR, %	12.1
BREAKEVEN(YRS)FROM 1ST INV	7.2
PAYOUT(YRS)FROM 1ST REV	7.2
NTER	2.3
ECON. LIMIT(YRS)FROM ST.	15.0

KEY: 30-039-24610

DATE: 4/5/90	RPT. NO. 7	WELL: San Juan 29-6 # 231	
FLD.: Basin Fruitland Coal		PTD (MD): 3322 FT.	RIG: Drake 27

PURPOSE OF JOB: Open Hole Completion

AFE/WO NO.: P-C836 AUTH. $: 281,000 DAILY $: 20,182 CUM $: ~~44,782~~ 138,597

PRESENT OPERATION: Clean up with water & Air

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 Drlg Cmt 3120' - 3145' Drilled 1' Formation & Circ. To correlate with Mud Logger

7:00 Drill open Hole. 3146' To 3322' KB Circ Bottoms up - Coal intervals as listed

3144 - 3146	2 ft	1550 units B/G Gas
3166 - 3170	4 "	2450
3184 - 3186	2 "	2100
3192 - 3194	2 "	2250
3210 - 3220	10 "	2750
3228 - 3234	6 "	1800
3305 - 3308	3 "	1200
3310 - 3320	10 "	2850
	39' Coal	

3:30 Circ hole with water + Air →

6:30 Load Hole with water & COOH

9:00 RU HLS Held Safety Meeting

PHILLIPS WELLSITE SUPERVISOR: David Green

RLF:jh 08/88

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 221
Fruitland Coal
SW/4 Section 11, T29N, R6W
Rio Arriba County, NM

Date of First Delivery:	6/20/90	
Date of Commerciality Submittal:		
Well Cost Data		
Total Well Costs:	$304,000	
Production Taxes & Royalty:	19.87%	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

Year	Gas (MCF)	** Operating Expense ($)
1990	190,203	29,950
1991	388,000	30,150
1992	648,000	30,150
1993	583,000	30,150
1994	525,000	30,150
1995	472,000	30,150
1996	425,000	30,150
1997	383,000	30,150
1998	344,000	30,150
1999	310,000	30,150
2000	279,000	30,150
2001	251,000	30,150
0002	226,000	30,150
2003	203,000	30,150
2004	183,000	30,150

** Operating Expenses were not escalated for inflation.

#1 comdet10.dav

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

RUN IDENTIFICATION

SJ 29-6 # 221

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	304000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	304000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	5410203.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	4335188.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	4595302.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	4595302.
3A	LIFTING COSTS	452050.
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	452050.
4.0	INCOME BEFORE RES & TAX	4143253.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	304000.
5.0	TOTAL CAPITAL REC	182400.
6D	NET INCOME TAX	40.
7.0	PROFIT AFTER TAX	3960811.
8.0	CASH INCOME AFTER FIT	4143211.
9A	SALVAGE	121600.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	4264811.
11A	CASH FLOW	3960811.

PRESENT VALUE		P.I.
@ 5.0%:	2846689.0	10.4
@ 10.0%:	2132489.0	8.0
@ 15.0%:	1650117.0	6.4
@ 20.0%:	1309438.0	5.3

AARR, %	119.4
BREAKEVEN(YRS)FROM 1ST INV	1.6
PAYOUT(YRS)FROM 1ST REV	1.6
NTER	14.0
ECON. LIMIT(YRS)FROM ST.	15.0

KEY: 30-039-24680

DATE: 4/26/90 | RPT. NO. 7 | WELL: San Juan 29-6 # 221

FLD.: Basin Fruitland Coal | PTD (MD): 3380 FT. | RIG: Big A 22

PURPOSE OF JOB: Open Hole Completion

AFE/WO NO.: PC897 AUTH. $: 271,000 DAILY $: 9875 CUM $: 41325 / 145730

PRESENT OPERATION: Circ. Prep to start Air

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 D.P. + GIH To Float Collar

12 pm Test BOP Pipe Rams + HCR Valves
200 PSi 10 min 2500 psi 30 min Each
All Test OK

3:30pm Drill F.C. + Cmt To 3222'

7:30pm Drill open Hole interval 3222' To 3380'

430 AM Circ Bottoms up + Corr with mud

600 AM Loggers — Flaring Gas

Coal Interval	Net Feet	Back Ground Gas
3242-3250	4 ft	940
3258-3261	3 ft	1280
3278-3284	6 ft	4050
3290-3300	4 ft	3950
3348-3354	6 ft	4500
3364-3374	6 ft	3950

PHILLIPS WELLSITE SUPERVISOR: Dave Walters

08/88

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 225
Fruitland Coal
SW/4 Section 13, T29N, R6W
Rio Arriba County, NM

Date of First Delivery: 6/20/90

Date of Commerciality Submittal: ____________

Well Cost Data

Total Well Costs: $363,000

Production Taxes & Royalty: 19.87%

BLM	**12.50**
Severence	3.75
Ad Valorem	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

Year	Gas (MCF)	** Operating Expense ($)
1990	13,589	10,230
1991	6,000	16,500
1992	28,000	16,500
1993	100,000	16,500
1994	94,000	16,500
1995	90,000	16,500
1996	87,000	16,500
1997	84,000	16,500
1998	81,000	16,500
1999	79,000	16,500
2000	77,000	16,500
2001	75,000	16,500
2002	73,000	16,500
2003	71,000	16,500
2004	70,000	16,500

** Operating Expenses were not escalated for inflation.

#1 comdet27.dav

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

RUN IDENTIFICATION

SJ 29-6 # 225

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	363000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	363000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	1028589.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	824208.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	873661.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	873661.
3A	LIFTING COSTS	241230.
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	241230.
4.0	INCOME BEFORE RES & TAX	632431.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	363000.
5.0	TOTAL CAPITAL REC	217800.
6D	NET INCOME TAX	4.
7.0	PROFIT AFTER TAX	414627.
8.0	CASH INCOME AFTER FIT	632426.
9A	SALVAGE	145200.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	777626.
11A	CASH FLOW	414627.

PRESENT VALUE		P.I.
@ 5.0%:	137758.6	1.4
@ 10.0%:	-21818.7	0.9
@ 15.0%:	-119282.8	0.7
@ 20.0%:	-181991.6	0.5

AARR, %	9.2
BREAKEVEN(YRS)FROM 1ST INV	8.8
PAYOUT(YRS)FROM 1ST REV	8.7
NTER	2.1
ECON. LIMIT(YRS)FROM ST.	14.5

PHILLIPS DAILY COMPLETION/WORKOVER REPORT

KEY: 30-039-24682

DATE: 5/6/90 | RPT. NO. 7 | WELL: San Juan 29-6 #225

FLD. Basin Fruitland Coal | PTD (MD): 3670 FT. | RIG: Drake #27

PURPOSE OF JOB: Open hole Completion

AFE/WO NO.: P-C899 AUTH. $: 278,000 DAILY $: 16,423 CUM $: ~~51,673~~ 167,116

PRESENT OPERATION: Clean up open hole

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:

6AM Drill open hole from 3628 To 3670

Coal intervals		Back Ground gas
3445 - 3448	3' ft	85 units
3456 - 3460	4 ft	2000 units
3543 - 3544	1 ft	85 "
3574 - 3586	10 ft	3200 "
3616 - 3618	2 ft	1000 "
3636 - 3646	7 ft	1600 "

Total coal Thickness 27 ft - No gas show @ flare

9AM Circ Bottom's up - Short Trip No fill - COOH with DP & BHA

3pm RU HLS - GIH with GR-DSN-SDL-csng-from 3670' To 2450' with sweep of logs - POOH & RD HLS (Wireline showed T.D. at 3673)

7pm GIH with BHA & DP To 3670

8:30pm Rotate & Recip with Air .7 To 2.1 MMCFD & 5 BPM To 2 BPM water - No gas - No coal -

6AM No water

16

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 218
Fruitland Coal
SW/4 Section 5, T29N, R6W
Rio Arriba County, NM

Date of First Delivery: 8/15/90

Date of Commerciality Submittal:

Well Cost Data

Total Well Costs: $263,000

Production Taxes & Royalty: **19.87%**

BLM	**12.50**
Severence	3.75
Ad Valorem	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

Year	Gas (MCF)	** Operating Expense ($)
1990	185,532	48,900
1991	680,000	45,800
1992	848,000	45,800
1993	743,000	45,800
1994	730,000	45,800
1995	592,000	45,800
1996	498,000	45,800
1997	428,000	45,800
1998	374,000	45,800
1999	330,000	45,800
2000	296,000	45,800
2001	268,000	45,800
2002	244,000	45,800
2003	223,000	45,800
2004	206,000	45,800

** Operating Expenses were not escalated for inflation.

#1 comdet24.dav

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

RUN IDENTIFICATION

SJ 29-6 # 218

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	263000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	263000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	6645532.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	5325060.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	5644565.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	5644565.
3A	LIFTING COSTS	670100.
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	670100.
4.0	INCOME BEFORE RES & TAX	4974465.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	263000.
5.0	TOTAL CAPITAL REC	157800.
6D	NET INCOME TAX	48.
7.0	PROFIT AFTER TAX	4816614.
8.0	CASH INCOME AFTER FIT	4974415.
9A	SALVAGE	105200.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	5079614.
11A	CASH FLOW	4816614.

PRESENT VALUE		P.I.
@ 5.0%:	3669112.0	15.0
@ 10.0%:	2906496.0	12.1
@ 15.0%:	2373928.0	10.0
@ 20.0%:	1986081.0	8.6

AARR, %	301.3
BREAKEVEN(YRS)FROM 1ST INV	0.8
PAYOUT(YRS)FROM 1ST REV	0.6
NTER	19.3
ECON. LIMIT(YRS)FROM ST.	14.3

KEY:

DATE: 6/15/90	RPT. NO. 6	WELL: San Juan 29-6 #218	
FLD.: Basin Fruitland Coal		PTD (MD): 3693 FT.	RIG: Drake Rig #27

PURPOSE OF JOB: Open Hole Completion

AFE/WO NO.: PC-891 AUTH. $: 281,000 DAILY $: 22,213 CUM $: 166,140 / 48,827

PRESENT OPERATION: Shut-In Test

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:

6am	RU Loggers & Logging with	
	CNTA 3431-3693, LDTD 3432-3693,	
	MITA 1170-3677, NGTD 3030-3688,	
	Coal Thickness	Net
	3491-3494	3'
	3510-3511	1'
	3515-3516	1'
	3527-3529	2'
	3530-3535	5'
	3581-3591	10'
	3636-3637	1'
	3641-3653	12'
	3656-3660	4'
	3661-3671	10'
	3672-3676	4'
	3677-3679	2'
	3681-3688	7'
12Pm	Total	64'

PHILLIPS WELLSITE SUPERVISOR: David Green

RLF:jh 08/88

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 220
Fruitland Coal
NE/4 Section 11, T29N, R6W
Rio Arriba County, NM

Date of First Delivery: 7/28/90

Date of Commerciality Submittal: ____________

Well Cost Data

Total Well Costs: $248,000

Production Taxes & Royalty: **19.87%**

BLM	**12.50**
Severence	3.75
Ad Valorem	3.62

verage Product Pricing

1990-1991 * 1.06/MCF

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

imated Gross Annual Production and Operating Expenses

ar	Gas (MCF)	** Operating Expense ($)
90	34,476	22,600
91	117,000	33,600
92	263,000	33,600
93	288,000	33,600
94	298,000	33,600
995	271,000	33,600
996	245,000	33,600
97	222,000	33,600
98	203,000	33,600
99	187,000	33,600
00	173,000	33,600
01	161,000	33,600
002	150,000	33,600
003	141,000	33,600
2004	132,000	33,600

** Operating Expenses were not escalated for inflation.

#1 comdet25.dav

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

RUN IDENTIFICATION

SJ 29-6 # 220

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	248000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	248000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	2888476.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	2314531.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	2453401.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	2453401.
3A	LIFTING COSTS	493000.
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	493000.
4.0	INCOME BEFORE RES & TAX	1960403.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	248000.
5.0	TOTAL CAPITAL REC	148800.
6D	NET INCOME TAX	18.
7.0	PROFIT AFTER TAX	1811586.
8.0	CASH INCOME AFTER FIT	1960386.
9A	SALVAGE	99200.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	2059585.
11A	CASH FLOW	1811586.

PRESENT VALUE		P.I.
@ 5.0%:	1237000.0	6.0
@ 10.0%:	874292.8	4.5
@ 15.0%:	633026.6	3.6
@ 20.0%:	465116.9	2.9

AARR, %	58.6
BREAKEVEN(YRS)FROM 1ST INV	2.5
PAYOUT(YRS)FROM 1ST REV	2.3
NTER	8.3
ECON. LIMIT(YRS)FROM ST.	14.4

KEY:

DATE: 6/6/90	RPT. NO. 7	WELL: San Juan 29-6 # 220
FLD.: Basin Fruitland Coal	PTD (MD): 3393 FT.	RIG: Drake Rig 26

PURPOSE OF JOB: Open hole completion

AFE/WO NO.: PC 895 AUTH. $: 272,000 DAILY $: 28,500 CUM $: ~~28,500~~ 149,403

PRESENT OPERATION: G.I.H. after Logging

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:

6:00 A.M. - 7:30 A.M.	P.T. BOP's, Valves
7:30 A.M. - 9:30 A.M.	Drlg. F.C., Cmt, G.S. @ 3210', 1' Formation for Log correlation
9:30 A.M. - 3:45 P.M.	Drlg. open hole, 3210' - 3393' w/ 9000# W.O.B 120 RPM's + 5 BPM water T.D. at 3393
3:45 P.M. - 5:30 P.M.	Circ + [redacted] well to pit w/ 5 BPM water
5:30 P.M. - 8:00 P.M.	P.O.O.H. to Log
8:00 P.M. - 10:00 P.M.	R.U. Schlumberger
10:00 P.M. - 3:30 A.M.	Schlumberger ran GR/Microlog/NGT 3387' to 3210'
3:30 A.M. - 4:30 A.M.	R.D. Schlumberger
4:30 A.M. - 6:00 A.M.	G.I.H.

Interval	Thickness	Max Gas in Back Ground u
3251 - 3257	6'	3900 u
3261 - 3264	3'	3400 u
3361 - 3369	8'	4000 u
3377 - 3390	11'	3900 u

Total net 28'

PHILLIPS WELLSITE SUPERVISOR: [signature]

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 223
Fruitland Coal
SW/4 Section 12, T29N, R6W
Rio Arriba County, NM

Date of First Delivery: 7/12/90

Date of Commerciality Submittal: ______

Well Cost Data

Total Well Costs: $278,000

Production Taxes & Royalty: **19.87%**

BLM	**12.50**
Severence	3.75
Ad Valorem	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

Year	Gas (MCF)	** Operating Expense ($)
1990	194,421	54,000
1991	498,000	39,400
1992	580,000	39,400
1993	619,000	39,400
1994	577,000	39,400
1995	460,000	39,400
1996	382,000	39,400
1997	325,000	39,400
1998	283,000	39,400
1999	249,000	39,400
2000	222,000	39,400
2001	200,000	39,400
2002	181,000	39,400
2003	166,000	39,400
2004	153,000	39,400

** Operating Expenses were not escalated for inflation.

#1 comdet26.dav

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

RUN IDENTIFICATION

SJ 29-6 # 223

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	278000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	278000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	5089421.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	4078146.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	4322836.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	4322836.
3A	LIFTING COSTS	605600.
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	605600.
4.0	INCOME BEFORE RES & TAX	3717237.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	278000.
5.0	TOTAL CAPITAL REC	166800.
6D	NET INCOME TAX	36.
7.0	PROFIT AFTER TAX	3550401.
8.0	CASH INCOME AFTER FIT	3717201.
9A	SALVAGE	111200.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	3828401.
11A	CASH FLOW	3550401.

PRESENT VALUE		P.I.
@ 5.0%:	2675064.0	10.6
@ 10.0%:	2095338.0	8.5
@ 15.0%:	1691355.0	7.1
@ 20.0%:	1397570.0	6.0

AARR, %	190.1
BREAKEVEN(YRS)FROM 1ST INV	1.0
PAYOUT(YRS)FROM 1ST REV	0.9
NTER	13.8
ECON. LIMIT(YRS)FROM ST.	14.4

FF M '90 05/27 00:48 P.01

PHILLIPS DAILY COMPLETION/WORKOVER REPORT

KEY: 30-039-24681

DATE: 5/26/90	RPT. NO. 6	WELL: San Juan 29-6 #223
FLD. Basin Fruitland Coal	PTD (MD): 3456 FT.	RIG: Drake #27

PURPOSE OF JOB: Open hole completion

AFE/WO NO.: P-C962 AUTH. $: 282000 DAILY $: 9417 CUM $: 33,534 141,244

PRESENT OPERATION: Cleaning up open hole

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:

6am Drill 3270' to 3456 with 2% KCl & Prod water

Coal interval		Background gas
3293' - 3297'	4 ft	1150 units
3311' - 3318'	7 ft	1380 units
3392' - 3407'	13 ft	4150 "
3425' - 3428'	3 ft	4100 "
3449 - 3454	5 ft	4100 "
	32 ft net coal	

2pm Circ bottoms up & PUTC shut down 1 hr - well gasing & trying to unload hole - WBIH & Tagged @ 3450' - 6' of fill

5pm Rotate & Recip with air & water as follows - .7 to 2.1 MMCFD air & 3 BPM to ~~0~~ BPM with 15 BBl water sweeps every 30 min.

6am Coal light to moderate with heavy fines - water " " No gain - gas getting stronger "no gauge"

PHILLIPS PETROLEUM COMPANY
Commerciality Determination

San Juan 29-6 Unit # 217
Fruitland Coal
NE/4 Section 5, T29N, R6W
Rio Arriba County, NM

Date of First Delivery: 8/28/90

Date of Commerciality Submittal: ____________

Well Cost Data

Total Well Costs:	$307,000		
Production Taxes & Royalty:	**19.87%**	**BLM**	**12.50**
		Severence	3.75
		Ad Valorem	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

Year	Gas (MCF)	** Operating Expense ($)
1990	185,607	64,650
1991	758,000	43,200
1992	955,000	43,200
1993	867,000	43,200
1994	786,000	43,200
1995	626,000	43,200
1996	519,000	43,200
1997	440,000	43,200
1998	378,000	43,200
1999	330,000	43,200
2000	291,000	43,200
2001	260,000	43,200
2002	234,000	43,200
2003	212,000	43,200
2004	193,000	43,200

** Operating Expenses were not escalated for inflation.

#1 comdet23.dav

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

RUN IDENTIFICATION

SJ 29-6 # 217

DIFFERENCE SUMMARY

COLUMN	ITEM	AMOUNT
1A	LEASEHOLD EXPENDITURE	0.
1B	TANGIBLE EQUIPMENT	307000.
1C	INTANGIBLE DEVEL COSTS	0.
1.0	TOT. CAPITAL OUTLAY	307000.
P1	GROSS OIL SALES	0.
P2	GROSS GAS SALES	7034607.
P3	GROSS GAS LIQUID SALES	0.
P4	NET OIL SALES	0.
P5	NET GAS SALES	5636825.
P6	NET GAS LIQUID SALES	0.
2A	NET OIL REVENUE	0.
2B	NET GAS REVENUE	5975038.
2C	NET GAS LIQUID REVENUE	0.
2D	OTHER NET REVENUE	0.
2.0	TOTAL NET REVENUE	5975038.
3A	LIFTING COSTS	669450.
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	669450.
4.0	INCOME BEFORE RES & TAX	5305587.
5A	COST DEPLETION	0.
5B	DEPRECIATION	0.
5C	EXPENSED ITEMS	307000.
5.0	TOTAL CAPITAL REC	184200.
6D	NET INCOME TAX	51.
7.0	PROFIT AFTER TAX	5121335.
8.0	CASH INCOME AFTER FIT	5305535.
9A	SALVAGE	122800.
9B	OUTSIDE INCOME AFTER FIT	0.
10A	CASH RETURNED	5428335.
11A	CASH FLOW	5121335.

PRESENT VALUE		P.I.
@ 5.0%:	3929562.0	13.8
@ 10.0%:	3130649.0	11.2
@ 15.0%:	2567900.0	9.4
@ 20.0%:	2154711.0	8.0

AARR, %	266.3
BREAKEVEN(YRS)FROM 1ST INV	0.9
PAYOUT(YRS)FROM 1ST REV	0.8
NTER	17.7
ECON. LIMIT(YRS)FROM ST.	14.4

PHILLIPS DAILY COMPLETION/WORKOVER REPORT

KEY: 30-039-24794

DATE: 7/8/90	RPT. NO. 9	WELL: San Juan 29-6 #217
FLD. Basin Fruitland Coal	PTD (MD): 3410 FT.	RIG: Drake #27

PURPOSE OF JOB: Open Hole Completion

AFE/WO NO.: P-C 958 AUTH. $: 282000 DAILY $: 8017 40,256 CUM $: 153,679

PRESENT OPERATION: Flow & Shut In Test

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:

6am Drlg Open Hole from 7" shoe @ 3193' To PTD @ 3410' - Well Blew in @ 3268' - Drlg To PTD w/8 Bpm water & Held Back Press @ 100# - circ Bottoms up - gas 40' flame - water no gain or loss - Coal light To moderate

Coal Intervals	Thickness	Gas units
3220-22	2 FT	2000 units
3258-64	6 FT	3000 "
3268-72	6 FT	6000 "
3292-96	4 FT	6000 "
3298-3304	6 FT	5000 "
3312-16	4 FT	5000 "
3324-30	6 FT	5000 "
3336-46	10 FT	5000 "

12:30pm Rotate & Recip w/gas & 8 Bpm water - Cut water Down To 3 Bpm 5

San Juan 29-6 Unit (PA)
3180 (019)

JUL 3 0 1992

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

Dear Mr. Kieke:

On June 10, 1992 our office sent a letter to Phillips Petroleum Company approving the Initial Participating Area (PA) and the First Expansion for the Fruitland Coal Formation in the San Juan 29-6 Unit.

Section 11 of the San Juan 29-6 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, and the First Expansion for the Fruitland Coal Formation in the San Juan 29-6 Unit. The approval is now amended to read "At this time we will approve the Initial Participating Area and the First Expansion for the Fruitland Formation in the San Juan 29-6 Unit. The Fruitland PA has been assigned No. 891000439D."

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, 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 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 CONSER... ..N DIVISION
RE... ..ED

'92 JUN 17 AM 9 01

San Juan 29-6 Unit (PA)
3180 (019)

JUN. 1 0 1992

CERTIFIED--RETURN RECEIPT REQUESTED
P 081 571 287

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

RE: San Juan Unit 29-6 Unit No. 14-08-001-439
Application of Initial Participation Area
Effective December 10, 1989.
Application for First Expansion
Effective February 1, 1990.
Application for Second Expansion
Effective March 1, 1990.
Application for Third Expansion
Effective April 1, 1990.
Application for Fourth Expansion
Effective May 1, 1990.
Application for Fifth Expansion
Effective June 1, 1990.
Application for Sixth Expansion
Effective July 1, 1990.
Fruitland Coal Formation
Rio Arriba County, NM

Gentlemen:

In response to your letter dated December 6, 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 six (6) expansions were reviewed for their ability to produce in paying quantities. Of the nineteen (19) wells, sixteen (16) were determined to be paying wells and three (3) were determined to be non-paying wells.

The following wells were determined to be capable of producing in paying quantities:

1. No. 201 San Juan 29-6 Unit, E½ Section 6, T. 29 N., R. 6 W.
2. No. 206 San Juan 29-6 Unit, E½ Section 4, T. 29 N., R. 6 W.
3. No. 207 San Juan 29-6 Unit, W½ Section 2, T. 29 N., R. 6 W.
4. No. 208 San Juan 29-6 Unit, W½ Section 17, T. 29 N., R. 6 W.
5. No. 209 San Juan 29-6 Unit, E½ Section 17, T. 29 N., R. 6 W.
6. No. 213 San Juan 29-6 Unit, E½ Section 30, T. 29 N., R. 6 W.
7. No. 214 San Juan 29-6 Unit, E½ Section 3, T. 29 N., R. 6 W.
8. * No. 215 San Juan 29-6 Unit, W½ Section 3, T. 29 N., R. 6 W.

9. No. 216 San Juan 29-6 Unit, W½ Section 4, T. 29 N., R. 6 W.
* 10. No. 217 San Juan 29-6 Unit, E½ Section 5, T. 29 N., R. 6 W.
11. No. 218 San Juan 29-6 Unit, W½ Section 5, T. 29 N., R. 6 W.
12. No. 219 San Juan 29-6 Unit, E½ Section 10, T. 29 N., R. 6 W.
13. No. 220 San Juan 29-6 Unit, E½ Section 11, T. 29 N., R. 6 W.
14. No. 221 San Juan 29-6 Unit, W½ Section 11, T. 29 N., R. 6 W.
15. No. 223 San Juan 29-6 Unit, W½ Section 12, T. 29 N., R. 6 W.
* 16. No. 246 San Juan 29-6 Unit, W½ Section 8, T. 29 N., R. 6 W.

The San Juan 29-6 Unit No. 215, 217, and 246 are located in intervening drilling blocks and are considered paying according to the terms of the unit agreement.

The following wells were determined to be unable to produce in paying quantities:

1. No. 212 San Juan 29-6 Unit, W½ Section 30, T. 29 N., R. 6 W.
2. No. 225 San Juan 29-6 Unit, W½ Section 13, T. 29 N., R. 6 W.
3. No. 231 San Juan 29-6 Unit, E½ Section 36, T. 29 N., R. 6 W.

At this time we will approve the Initial Participating Area and the First Expansion for the Fruitland Coal Formation in the San Juan 29-6 Unit. The Fruitland Coal PA has been assigned No. 891000439D.

Initial PA	Well No. 209.
1st Revision	Well No. 201 and No. 208.

We will approve the Second through Sixth Expansions after the necessary revisions to the Exhibit B's have been made.

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,

Mike Pool
Area Manager

2 Enclosures
1 - Exhibit B Initial
2 - Exhibit B 1st

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

OIL CONSERVATION DIVISION
RECEIVED
'92 JAN 9 AM 9 14

PHILLIPS PETROLEUM COMPANY

FARMINGTON, NEW MEXICO 87401
5525 HWY. 64 NBU 3004

December 06, 1991

1-2-92

D-
UNIT letter
Thru R4

Assistant District Manager, Minerals
Bureau of Land Management
Farmington Resource Area
1235 LaPlata Highway
Farmington, NM 87401
(4 copies enclosed)

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

State of New Mexico
Oil Conservation Commission
Attn: Mr. William J. LeMay
310 Oil Santa Fe Trail, Room 206
Santa Fe, NM 87503
(2 copies enclosed)

Re: San Juan 29-6 Unit
#14-08-001-439
Application of Initial
Participation Area
Effective 12-10-89
Application for First Expansion
Effective 2-1-90
Application for Second Expansion
Effective 3-1-90
Application for Third Expansion
Effective 4-1-90
Application for Fourth Expansion
Effective 5-1-90
Application for Fifth Expansion
Effective 6-1-90
Application for Sixth Expansion
Effective 7-1-90
Fruitland Coal Formation
Rio Arriba County, NM
GF-5396

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, #14-08-001-439, approved December 5, 1952, Phillips Petroleum Company, as Unit-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, application for the Initial Participating Area, First Expansion, Second Expansion, Third Expansion, Fourth Expansion, Fifth Expansion and Sixth Expansion of the Fruitland Coal Formation is submitted for your review as follows:

Initial Participating Area - Effective December 10, 1989

Drilling Block	New Areas	Well Number
E/2 Section 17-29N-6W	320	209

The San Juan 29-6 Unit #209 well was completed December 10, 1989. The Fruitland Coal formation was tested on December 10, 1989, with cumulative gas production of 120,904 mcf through November 30, 1990. The Spacing unit for this well is described as E/2 Section 17-29N-6W, containing 320 acres.

First Expanded Participating Area - Effective February 1, 1990

Drilling Block	New Areas	Well Number
E/2 Section 6-29N-6W	318.95	201
W/2 Section 17-29N-6W	320	208

The San Juan 29-6 Unit #201 well was completed January 14, 1990. The Fruitland Coal formation tested on January 14, 1990, with cumulative gas production of 144,304 mcf through March 31, 1991. The spacing unit for this well is described as Lots 8 (39.39), 9 (39.56), S/2 NE/4, SE/4 Section 6-29N-6W, containing 318.95 acres.

The San Juan 29-6 Unit #208 well was completed January 22, 1990. The Fruitland Coal formation tested on January 22, 1990, with cumulative gas production of 547,157 mcf through November 30, 1990. The spacing unit for this well is described as W/2 Section 17-29N-6W, containing 320 acres.

Second Expanded Participating Area - Effective March 1, 1990

Drilling Block	New Area	Well Number
Lots 5, 9, 10, E/2 SE/4, NW/4 SE/4, SW/4 SE/4, 100.68 acres being part of Tract 40 in the NE/4, 13.53 acres being part of Tract 41 in the NE/4, Section 4-29N-6W	319.91	206

Drilling Block	New Areas	Well Number
Lots 7, 8, S/2 NW/4, SW/4 Section 2-29N-6W	319.13	207
W/2 Section 30-29N-6W	320	212
E/2 Section 30-29N-6W	320	213

The San Juan 29-6 Unit #206 well was completed February 13, 1990. The Fruitland Coal formation was tested on February 13, 1990, with cumulative gas production of 92,273 mcf through November 30, 1990. The spacing unit for this well is described as Lots 5, 9, 10, E/2 SE/4, NW/4 SE/4, SW/4 SW/4, 100.68 acres being part of tract 40 in the NE/4, 13.53 acres being part of Tract 41 in the NE/4 (E/2) Section 4-29N-6W, containing 319.91 acres.

The San Juan 29-6 Unit #207 well was completed February 6, 1990. The Fruitland Coal formation was tested on February 6, 1990, with cumulative gas production of 563,188 mcf through November 30, 1990. The spacing unit for this well is described as Lots 7, 8, S/2 NW/4, SW/4 (W/2) Section 2-29N-6W, containing 319.13.acres.

The San Juan 29-6 Unit #212 well was completed February 2, 1990. The Fruitland Coal formation tested on February 2, 1990, with cumulative gas production of 53,433 mcf through November 30, 1990. The spacing unit for this well is described as W/2 Section 30-29N-6W, containing 320 acres.

The San Juan 29-6 Unit #213 well was completed February 10, 1990. The Fruitland Coal formation tested on February 10, 1990, with cumulative gas production of 76,311 mcf through November 30, 1990. The spacing unit for this well is described as E/2 Section 30-29N-6W, containing 320 acres.

Third Expanded Participating Area - Effective April 1, 1990

Drilling Block	New Areas	Well Number
Lots 5, 6, 11, 12, 13, 14, 15, 16, 52.05 acres being part of Tract 38 in NE/4, 62.46 acres being part of Tract 42 in SE/4, (E/2) Section 3-29N-6W	318.72	214
Lots 6, 7, 8, 11, 12, S/2 SW/4, W/2 NW/4, Tract 40 (16.91 acres) & 41 (51.7 acres) in the W/2 (W/2) Sec. 4-29N-6W	319.35	216
Lots 1, 2, 3, 4, SE/4, 84.13 acres being part of Tract 42 in NE/4 (E/2) Section 10-29N-6W	320	219
SW/4, Lots 7, 8, 9, 10, 13.58 acres being part of Tract 40 in NW/4, 67.53 acres being part of Tract 38 in NW/4, (W/2) Section 3-29N-6W	321.47	* 215

* Intervening Drilling Block

The San Juan 29-6 Unit #214 well was completed March 18, 1990. The Fruitland Coal formation tested on March 15, 1990, with cumulative gas production of 281,849 mcf through November 30, 1990. The spacing unit for this well is described as Lots 5, 6, 11, 12, 13, 14, 15, 16, Tract 38 in the NE/4, Tract 42 in the SE/4 Section 3-29N-6W containing 318.72 acres.

The San Juan 29-6 Unit #216 well was completed March 31, 1990. The Fruitland Coal formation tested on March 30, 1990, with cumulative gas production of 28,464 mcf through November 30, 1990. The spacing unit for this well is described as Lots 6, 7, 8, 11, 12, W/2 NW/4, S/2 SW/4, Tract 40 & 41 in the W/2 Section 4-29N-6W, containing 319.35 acres.

The San Juan 29-6 Unit #219 well was completed March 8, 1990. The Fruitland Coal formation tested on March 8, 1990, with cumulative gas production of 102,917 mcf through November 30, 1990. The spacing unit for this well is described as Lots 1, 2, 3, 4, SE/4, Tract 42 in the NE/4 Section 10-29N-6W, containing 320 acres.

Intervening Drilling Block
Notice of Completion of Additional Wells

The San Juan 29-6 Unit #215 well is an Intervening Drilling Block under the terms of the San Juan 29-6 Unit Agreement. The spacing unit for this well is described as Lots 7, 8, 9, 10, SW/4, Tracts 38 and 40 in the NW/4, (W/2) Section 3-29N-6W, containing 321.47 acres. The #215 well was completed May 1, 1990. The Fruitland Coal formation was tested April 30, 1990, with cumulative gas production of 62,151 mcf through November 30, 1990.

Fourth Expanded Participating Area - Effective May 1, 1990

Drilling Block	Net Acres	Well Number
Lots 1, 2, 3, 4, W/2 E/2 (E/2) Section 36-29N-6W	234.16	231

The San Juan 29-6 Unit #231 well was completed April 10, 1990. The Fruitland Coal formation was tested on April 8, 1990, with cumulative gas production of 30,863 mcf through November 30, 1990. The spacing unit for this well is described as Lots 1, 2, 3, 4, W/2 E/2 Section 36-29N-6W, containing 234.16 acres.

Fifth Expanded Participating Area - Effective June 1, 1990

Drilling Block	Net Acres	Well Number
Lot 1, SW/4, E/2 NW/4, SW/4 NW/4, Tract 42 (9.66 acs) in the NW/4 (W/2) Section 11-29N-6W	320	221
W/2 Section 13-29N-6W	320	225

The San Juan 29-6 Unit #221 well was completed May 7, 1990. The Fruitland Coal formation was tested on May 5, 1990, with cumulative production of 157,203 mcf through November 30, 1990. The spacing unit for this well is described as Lot 1, SW/4, E/2 NW/4, SW/4 NW/4, Tract 42 in the NW/4 Section 11-29N-6W containing 320 acres.

The San Juan 29-6 Unit #225 well was completed May 13, 1990. The Fruitland Coal formation was tested on May 10, 1990, with cumulative gas production of 11,915 mcf through November 30, 1990. The spacing unit for this well is described as W/2 Section 13-29N-6W containing 320 acres.

Sixth Expanded Participating Area - Effective July 1, 1990

Drilling Block	Net Acres	Well Number
Lot 7, 8, S/2 NW/4, SW/4 Section 5-29N-6W	318.60	218
E/2 Section 11-29N-6W	320	220
Lot 2, W/2 NW/4, SE/4 NW/4, SW/4, all of Tract #37 (24.53 acres) lying in the NW/4 (W/2) Section 12-29N-6W	320	223
Lots 5, 6, SW/4 NE/4 W/2 SE/4, SE/4 SE/4 (E/2) Section 5-29N-6W	318.60	* 217

W/2 Section 8-29N-6W	320	* 246

* Intervening Drilling Block

The San Juan 29-6 Unit #218 well was completed June 23, 1990. The Fruitland Coal formation was tested on June 21, 1990, with cumulative gas production of 701,877 mcf through September 30, 1991. The spacing unit for this well is described as Lots 7, 8, S/2 NW/4, SW/4 Section 5-29N-6W, containing 318.60 acres.

The San Juan 29-6 Unit #220 wells was completed June 15, 1990. The Fruitland Coal formation was tested on June 14, 1990, with cumulative gas production of 135,787 mcf through September 30, 1991. The spacing unit for this well is described as the E/2 of Section 11-29N-6W, containing 320.0 acres.

The San Juan 29-6 #223 well was completed June 4, 1990. The Fruitland Coal formation was tested on June 5, 1990, with cumulative gas production of 536,798 mcf through September 30, 1991. The spacing unit for this well is described as Lot 2, W/2 NW/4, SE/4 NW/4, SW/4 and all of Tract #37 lying in the NW/4 (W/2) Section 12-25N-6W containing 320.0 acres.

Intervening Drilling Block

The San Juan 29-6 #246 well is in Intervening Drilling Block under the terms of the San Juan 29-6 Unit Agreement. The spacing unit for this well is described as the W/2 of Section 8-29N-6W containing 320.0 acres.

Intervening Drilling Block
Notice of Completion of Additional Well

The San Juan 29-6 Unit #217 well is an Intervening Drilling Block under the term of the San Juan 29-6 Unit Agreement. The spacing unit for this well is described as Lots 5, 6, SW/4 NE/4, W/2 SE/4, SE/4 SE/4, NE/4 SE/4, SE/4 NE/4 (E/2) Section 5, 29N-6W containing 318.60 acres. The #217 well was completed July 19,

1990. The Fruitland Coal formation was tested on July 16, 1990, with cumulative gas production of 763,539 mcf through September 30, 1991.

Enclosed herewith are Schedules I, II, III, IV, V, VI and VII for the Initial through Sixth Expanded participating Areas for the Fruitland Coal Formation of the the San Juan 29-6 Unit area. These schedules describe the Participating Areas and indicate the percentages of unitized substances allocated to the unit tracts according to the Fruitland Coal Ownership of such tracts.

Unless this application is disapproved or contested in whole or in part the Initial, First Expanded, Second Expanded, Third Expanded, Fourth Expanded, Fifth Expanded and Sixth Expanded Participating Areas are effective December 10, 1989, February 1, 1990, March 1, 1990, April 1, 1990, May 1, 1990, June 1, 1990, and July 1, 1990, respectively. Copies of this application with enclosures are being sent to the working interest owners on the attached sheet.

Very truly yours,
PHILLIPS PETROLEUM COMPANY

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

cc: Working Interest Owners
Barbara Reynolds
R. T. Hillburn
N. L. Maddox (r) GF-5396
P. W. Strawbridge
K. L. Czirr

#7 aoi296.jay

SCHEDULE I
Initial Participating Area for the Fruitland Formation
San Juan 29-6 Unit
Rio Arriba County, NM

RECAPITULATION

Description of Lands in Participating Area.

Township 29 North, Range 6 West N.M.P.M.

Section 17: E/2	320 acres

Total Number of Acres in Participating Area	320
Total Number of Committed Acres in Participating Area	320

SCHEDULE II
First Expanded Participating Area for the Fruitland Formation
San Juan 29-6 Unit
Rio Arriba County, NM

RECAPITULATION

Description of Lands in Participating Area.

Township 29 North, Range 6 West N.M.P.M.

Section 6:	Lots 8 (39.39), 9 (39.56), S/2 NE/4, SE/4	318.95 acres
Section 17:	All	640 acres

Total Number of Acres in Participating Area 958.95

Total Number of Committed Acres in Participating Area 958.95

SCHEDULE III
Second Expanded Participating Area for the Fruitland Formation
San Juan 29-6 Unit
Rio Arriba County, NM

RECAPITULATION

Description of Lands in Participating Area.

Township 29 North, Range 6 West N.M.P.M.

Section 2:	Lots 7(39.58), 8(39.55) S/2 NW/4, SW/4	319.13 acres
Section 4:	Lots 5 (17.11), 9(14.35), 10(14.24), SE/4 100.68 acres being part of Tract 40 situated in the NE/4	319.91 acres
Section 6:	Lots 8(39.39), 9 (39.56), S/2 NE/4, SE/4	398.95 acres
Section 17:	All	640 acres
Section 30:	All	640 acres

Total Number of Acres in Participating Area 2237.99

Total Number of Committed Acres in Participating Area 2237.99

SCHEDULE IV
Third Expanded Participating Area for the Fruitland Formation
San Juan 29-6 Unit
Rio Arriba County, NM

RECAPITULATION

Description of Lands in Participating Area.

Township 29 North, Range 6 West N.M.P.M.

Section 2:	Lots 7(39.58), 8(39.55), S/2 NW/4, SW/4	319.13 acres
Section 3:	All	640.19 acres
Section 4:	All	639.26 acres
Section 6:	Lots 8(39.39), 9 (39.56), S/2 NE/4, SE/4	318.95 acres
Section 10:	Lots 1(8.41), 2(14.3) 3(22.76), 4(30.40), SE/4, 84.13 acres being part of Tract 42 in the NE/4	320 acres
Section 17:	All	640 acres
Section 30:	All	640 acres

Total Number of Acres in Participating Area 3517.53

Total Number of Committed Acres in Participating Area 3517.53

SCHEDULE V
Fourth Expanded Participating Area for the Fruitland Formation
San Juan 29-6 Unit
Rio Arriba County, NM

RECAPITULATION

Description of Lands in Participating Area.

Township 29 North, Range 6 West N.M.P.M.

Section 2:	Lots 7(39.58), 8(39.55), S/2 NW/4, SW/4	319.13 acres
Section 3:	All	640.19 acres
Section 4:	All	639.26 acres
Section 6:	Lots 8(39.39), 9 (39.56), S/2 NE/4, SE/4	318.95 acres
Section 10:	Lots 1(8.41), 2(14.3), 3(22.76), 4(30.40), SE/4, 84.13 acres being part of Tract 42 in the NE/4	320 acres
Section 17:	All	640 acres
Section 30:	All	640 acres
Section 36:	Lots 1(18.51), 2(18.53), 3(18.55), 4(18.57), W/2 E/2	234.16 acres

Total Number of Acres in Participating Area 3751.69

Total Number of Committed Acres in Participating Area 3751.69

SCHEDULE VI
Fifth Expanded Participating Area for the Fruitland Formation
San Juan 29-6 Unit
Rio Arriba County, NM

RECAPITULATION

Description of Lands in Participating Area.

Township 29 North, Range 6 West N.M.P.M.

Section 2:	Lots 7(39.58), 8(39.55), S/2 NW/4, SW/4	319.13 acres
Section 3:	All	640.19 acres
Section 4:	All	639.26 acres
Section 6:	Lots 8 (39.39), 9 (39.56), S/2 NE/4, SE/4	318.95 acres
Section 10:	Lots 1(8.41), 2(14.3), 3(22.76), 4(30.40), SE/4, 84.13 acres being part of Tract 42 in the NE/4	320 acres
Section 11:	W/2	320 acres
Section 13:	W/2	320 acres
Section 17:	All	640 acres
Section 30:	All	640 acres
Section 36:	Lots 1(18.51), 2(18.53), 3(18.55), 4(18.57), W/2 E/2	234.16 acres

Total Number of Acres in Participating Area	4391.69
Total Number of Committed Acres in Participating Area	4391.69

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012698	29N 6W		1732.46		TRACT: 001			13.156702
	SEC. 1	LOTS 5 - 15, SW/4 NE/4,		ORRI:		4.000000	4.000000	
		S/2 NW/4, W/2 SW/4,		ROYALTY:		12.500000	12.500000	
		PART OF TR 37		WORKING INTEREST:				
	SEC. 11	LOT 1, SW/4,		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
		E/2 NW/4, SW/4 NW/4,		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
		E/2						
	SEC. 12	LOTS 1 - 6, W/2 SE/4,		TOTAL		100.000000	100.000000	
		W/2 NW/4, SE/4 NW/4,						
		SW/4, PART OF TR. 37						
	REMARKS:	SAN JUAN 29-6 UNIT #220						
		SAN JUAN 29-6 UNIT #221						
		SAN JUAN 29-6 UNIT #222						
		SAN JUAN 29-6 UNIT #223						
		SAN JUAN 29-6 UNIT #237						
		SAN JUAN 29-6 UNIT #238						
SF-078278	29N 6W		1220.77		TRACT: 002			9.270810
	SEC. 3	LOTS 13 - 16,		ORRI:		4.000000	4.000000	
		SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 4	LOTS 5, 8, 9, 10,		WORKING INTEREST:				
		E/2 SE/4, NW/4 SE/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
	SEC. 10	LOTS 1 - 4,		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
		SE/4						
	SEC. 13	LOTS 1 - 4,		TOTAL		100.000000	100.000000	
		W/2 E/2, W/2						
	REMARKS:	SAN JUAN 29-6 UNIT #206						
		SAN JUAN 29-6 UNIT #214						
		SAN JUAN 29-6 UNIT #215						
		SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #219						
		SAN JUAN 29-6 UNIT #224						
		SAN JUAN 29-6 UNIT #225R						

EFFECTIVE 93/09/01

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078278	29N 6W		320.00		TRACT: 002A			2.430154
	SEC. 14	E/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 29-6 UNIT #226						
NM-012670	29N 6W		160.00		TRACT: 004			1.215077
	SEC. 35	N/2 SW/4, S/2 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #229						
SF-078426	29N 6W		840.00		TRACT: 005			6.379154
	SEC. 18	W/2 SW/4, E/2 E/2, NW/4 NE/4		ORRI:		4.000000	4.000000	
				ROYALTY:		12.500000	12.500000	
	SEC. 19	NE/4, W/2 SW/4, SE/4 SW/4		WORKING INTEREST:				
				MERIDIAN OIL PRODUCTION INC.		62.625000	62.625000	
	SEC. 30	NE/4, W/2 SE/4, NE/4 SE/4		VASTAR RESOURCES, INC.		20.875000	20.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #213 SAN JUAN 29-6 UNIT #236 SAN JUAN 29-6 UNIT #240 SAN JUAN 29-6 UNIT #241 SAN JUAN 29-6 UNIT #242						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078426-A	29N 6W		360.00		TRACT: 005A			2.733923
	SEC. 17	W/2 SE/4, SE/4 SE/4		ORRI:		4.000000	4.000000	
	SEC. 20	W/2 NW/4, NW/4 SW/4,		ROYALTY:		12.500000	12.500000	
		E/2 NE/4, SW/4 SE/4		WORKING INTEREST:				
				VASTAR RESOURCES, INC.		83.500000	83.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #210						
		SAN JUAN 29-6 UNIT #211						
SF-078426	29N 6W		280.00		TRACT: 005B			2.126385
	SEC. 17	SW/4, S/2 NW/4,		ORRI:		4.000000	4.000000	
		NW/4 NW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		57.471380	57.471380	
				MERIDIAN OIL PRODUCTION INC.		5.153620	5.153620	
				VASTAR RESOURCES, INC.		20.875000	20.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #208						
SF-078960	29N 6W		160.00		TRACT: 006			1.215077
	SEC. 17	NE/4 SE/4, NE/4 NW/4		ORRI:		4.000000	4.000000	
	SEC. 35	S/2 SW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
				WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #208						
		SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #229						

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080146	29N 6W	320.00		TRACT: 008			2.430154
	SEC. 34 E/2		ORRI:		2.500000	2.500000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			MERIDIAN OIL PRODUCTION INC.		63.750000	63.750000	
			V.A. JOHNSTON FAMILY TRUST		1.771400	1.771400	
			JAMES J. JOHNSTON		3.541950	3.541950	
			EULA MAE JOHNSTON TRUST		7.083050	7.083050	
			VEVA JEAN GIBBARD		1.770550	1.770550	
			MERIDIAN MINERALS COMPANY		7.083050	7.083050	
			TOTAL		100.000000	100.000000	
	REMARKS: SAN JUAN 29-6 UNIT #235						
SF-080180	29N 6W	160.00		TRACT: 009			1.215077
	SEC. 9 E/2 E/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 29-6 UNIT #259						
SF-080180	29N 6W	240.00		TRACT: 009A			1.822615
	SEC. 22 SE/4, W/2 NE/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
	REMARKS: SAN JUAN 29-6 UNIT #249						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080377	29N 6W		358.60		TRACT: 010			2.723291
	SEC. 5	LOTS 5 & 6, SW/4 NE/4,		ORRI:		5.000000	5.000000	
		NW/4 SE/4, S/2 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 9	SW/4 NE/4,		WORKING INTEREST:				
		W/2 SE/4		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 29-6 UNIT #217						
		SAN JUAN 29-6 UNIT #259						
SF-080377	29N 6W		80.00		TRACT: 010A			0.607539
	SEC. 27	E/2 NE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		67.650000	67.650000	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						
SF-080379-A	29N 6W		1438.60		TRACT: 011			10.925061
	SEC. 5	LOTS 7 & 8, S/2 NW/4,		ORRI:		5.000000	5.000000	
		SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 8	ALL		WORKING INTEREST:				
	SEC. 17	NE/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
	SEC. 21	E/2		WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #218						
		SAN JUAN 29-6 UNIT #245						
		SAN JUAN 29-6 UNIT #246						
		SAN JUAN 29-6 UNIT #262						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080379	29N 6W		1118.60		TRACT: 011A			8.494907
	SEC. 6	ALL		ORRI:		5.000000	5.000000	
	SEC. 7	E/2, E/2 W/2		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		41.250000	41.250000	
				BOLACK MINERALS COMPANY		41.250000	41.250000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #201 SAN JUAN 29-6 UNIT #202 SAN JUAN 29-6 UNIT #203 SAN JUAN 29-6 UNIT #204						
SF-080662	29N 6W		40.00		TRACT: 013			0.303769
	SEC. 7	NW/4 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T.H. MCELVAIN OIL & GAS		41.250000	41.250000	
				JAMES M. RAYMOND		34.375000	34.375000	
				MAYDELL MILLER MAST TRUST		3.437500	3.437500	
				CORINNE MILLER GAY TRUST		3.437500	3.437500	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #203						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-03040	29N 6W		320.00		TRACT: 014			2.430154
	SEC. 21	W/2		ORRI:		21.875000	21.875000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		65.625000	65.625000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #205						
NM-03471	29N 6W		120.00		TRACT: 015A			0.911308
	SEC. 7	NW/4 SW/4		ORRI:		5.000000	5.000000	
	SEC. 20	E/2 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 29-6 UNIT #203 SAN JUAN 29-6 UNIT #211						
NM-03471	29N 6W		160.00		TRACT: 015B			1.215077
	SEC. 27	W/2 E/2		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		67.650000	67.650000	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-03471	29N 6W		40.00		TRACT: 015C			0.303769
	SEC. 35	NW/4 NW/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 29-6 UNIT #229						
NM-05220	29N 6W		80.00		TRACT: 016			0.607539
	SEC. 22	E/2 NE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #249						
E-289-3	29N 6W		160.00		TRACT: 017			1.215077
	SEC. 2	SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				THE WISER OIL COMPANY		87.500000	87.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #239						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-289-44	29N 6W		119.23		TRACT: 017A			0.905460
	SEC. 2	LOTS 5 & 6, SE/4 NE/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 29-6 UNIT #239						
E-289-38	29N 6W		320.00		TRACT: 017B			2.430154
	SEC. 16	W/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 29-6 UNIT #258						
E-289-45	29N 6W		279.13		TRACT: 017C			2.119778
	SEC. 2	LOTS 7 & 8, S/2 NW/4, W/2 SW/4, SW/4 NE/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 29-6 UNIT #207 SAN JUAN 29-6 UNIT #239						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-289-43	29N 6W		80.00		TRACT: 017D			0.607539
	SEC. 2	E/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 29-6 UNIT #207						
E-289-29	29N 6W		80.00		TRACT: 017E			0.607539
	SEC. 16	S/2 SE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #260						
E-289-38	29N 6W		200.00		TRACT: 017F			1.518846
	SEC. 16	NE/4, NW/4 SE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #260						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-4083-18	29N 6W		40.00		TRACT: 018			0.303769
	SEC. 16	NE/4 SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T.H. MCELVAIN OIL & GAS		21.875000	21.875000	
				JAMES M. RAYMOND		18.229750	18.229750	
				MAYDELL MILLER MAST TRUST		1.822625	1.822625	
				CORINNE MILLER GAY TRUST		1.822625	1.822625	
				VAUGHAN-MCELVAIN ENERGY		29.166375	29.166375	
				CARL MCELVAIN ESTATE		14.583625	14.583625	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #260						
FEE	29N 6W		437.78		TRACT: 019			3.324602
	SEC. 3	13.58 ACRES OF TR. 40 IN THE NW/4		ORRI:		4.000000	4.000000	
				ROYALTY:		12.500000	12.500000	
	SEC. 3	LOTS 5 - 12, & ALL OF TR. 38		WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
	SEC. 4	100.68 ACRES BEING PART OF TR. 40 IN NE/4		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
	SEC. 4	16.91 ACRES IN TR. 40 IN THE NW/4		TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #206 SAN JUAN 29-6 UNIT #214 SAN JUAN 29-6 UNIT #215 SAN JUAN 29-6 UNIT #216						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		156.25		TRACT: 020			1.186599
	SEC. 3	PART OF TR. 42 IN THE SE/4		ORRI:		4.000000	4.000000	
	SEC. 10	84.13 ACRES BEING		ROYALTY:		12.500000	12.500000	
		PART OF TR. 42 IN TNE NE/4		WORKING INTEREST:				
	SEC. 11	9.66 ACRES BEING		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
		PART OF TR. 42 IN THE NW/4		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #214						
		SAN JUAN 29-6 UNIT #219						
		SAN JUAN 29-6 UNIT #221						
FEE	29N 6W		80.00		TRACT: 022			0.607538
	SEC. 18	N/2 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SOUTHLAND ROYALTY COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #236						
FEE	29N 6W		80.00		TRACT: 022A			0.607538
	SEC. 7	SW/4 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SOUTHLAND ROYALTY COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #203						

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		360.00		TRACT: 023			2.733923
	SEC. 20	E/2 NW/4, E/2 SW/4,		ORRI:		0.000000	5.000000	
		SW/4 SW/4, W/2 NE/4,		ROYALTY:		12.500000	12.500000	
		NW/4 SE/4		WORKING INTEREST:				
	SEC. 30	SE/4 SE/4		WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #210						
		SAN JUAN 29-6 UNIT #211						
		SAN JUAN 29-6 UNIT #213						
FEE	29N 6W		320.00		TRACT: 023A			2.430154
	SEC. 19	SE/4, W/2 NW/4,		ORRI:		5.000000	5.000000	
		SE/4 NW/4, NE/4 SW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T. H. MCELVAIN OIL & GAS		41.250000	41.250000	
				JAMES M. RAYMOND		34.375000	34.375000	
				MAYDELL MILLER MAST TRUST		3.437500	3.437500	
				CORINNE MILLER GAY TRUST		3.437500	3.437500	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #241						
		SAN JUAN 29-6 UNIT #242						
FEE	29N 6W		40.00		TRACT: 024A			0.303769
	SEC. 35	NE/4 NW/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				KOCH EXPLORATION COMPANY		65.625000	65.625000	
				MERIDIAN OIL PRODUCTION INC.		21.875000	21.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #229						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		160.00		TRACT: 025			1.215077
	SEC. 4	SW/4 NW/4,		ORRI:		5.000000	5.000000	
		NW/4 SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 5	SE/4 NE/4,		WORKING INTEREST:				
		NE/4 SE/4		CENTRAL RESOURCES, INC.		36.029124	36.029124	
				PETROX CONSULTING, INC.		5.156250	5.156250	
				TIPPERARY OIL & GAS CORP.		19.723003	19.723003	
				AMERICAN WEST GAS-1993 L.L.C.		8.250000	8.250000	
				R.K.C., INC.		13.341623	13.341623	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #217						
FEE	29N 6W		306.47		TRACT: 026			2.327404
	SEC. 4	13.53 ACRES IN NE/4,		ORRI:		0.000000	0.000000	
		SW/4 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 4	TR. 41, LOTS 6, 7, 11, 12,		WORKING INTEREST:				
		S/2 SW/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		71.750000	71.750000	
	SEC. 9	NW/4 NE/4		WILLIAMS PRODUCTION COMPANY		15.750000	15.750000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #206						
		SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #259						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
THE 015 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		320.00		TRACT: 027			2.430154
	SEC. 18	S/2 NW/4, E/2 SW/4,		ORRI:		0.125000	0.125000	
		SW/4 NE/4, W/2 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 19	NE/4 NW/4		WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		35.823750	35.823750	
				WILLIAMS PRODUCTION COMPANY		7.863750	7.863750	
				T.H. MCELVAIN OIL & GAS		21.843750	21.843750	
				JAMES M. RAYMOND		18.203126	18.203126	
				MAYDELL MILLER MAST TRUST		1.820312	1.820312	
				CORINNE MILLER GAY TRUST		1.820312	1.820312	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #236						
		SAN JUAN 29-6 UNIT #240						
		SAN JUAN 29-6 UNIT #242						
FEE	29N 6W		80.00		TRACT: 028			0.607538
	SEC. 27	E/2 SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		71.750000	71.750000	
				WILLIAMS PRODUCTION COMPANY		15.750000	15.750000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						
		TOTAL	13167.89					100.000000

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVI
RECAPITULATION

DATE 07/20/95

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:		DESCRIPTION ON NON-COMMITTED LANDS IN PARTICIPATING AREA:
TOWNSHIP 29N, RANGE 6W		
SECTION 1	: ALL	
SECTION 2	: ALL	
SECTION 3	: ALL	
SECTION 4	: ALL	
SECTION 5	: ALL	
SECTION 6	: ALL	
SECTION 7	: ALL	
SECTION 8	: ALL	
SECTION 9	: E/2	
SECTION 10	: E/2	
SECTION 11	: ALL	
SECTION 12	: ALL	
SECTION 13	: ALL	
SECTION 14	: E/2	
SECTION 16	: ALL	
SECTION 17	: ALL	
SECTION 19	: ALL	
SECTION 20	: ALL	
SECTION 21	: ALL	
SECTION 22	: E/2	
SECTION 27	: E/2	
SECTION 30	: E/2	
SECTION 34	: E/2	
SECTION 35	: W/2	

TOTAL COMMITTED: 13167.89

TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 13167.89

* SUBJECT TO REVERSIONARY INTEREST TO PHILLIPS PETROLEUM COMPANY

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012698	29N 6W		1732.46		TRACT: 001			12.546884
	SEC. 1	LOTS 5 - 15, SW/4 NE/4,		ORRI:		4.000000	4.000000	
		S/2 NW/4, W/2 SW/4,		ROYALTY:		12.500000	12.500000	
		PART OF TR 37		WORKING INTEREST:				
	SEC. 11	LOT 1, SW/4,		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
		E/2 NW/4, SW/4 NW/4,		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
		E/2						
	SEC. 12	LOTS 1 - 6, W/2 SE/4,		TOTAL		100.000000	100.000000	
		W/2 NW/4, SE/4 NW/4,						
		SW/4, PART OF TR. 37						
	REMARKS:	SAN JUAN 29-6 UNIT #220						
		SAN JUAN 29-6 UNIT #221						
		SAN JUAN 29-6 UNIT #222						
		SAN JUAN 29-6 UNIT #223						
		SAN JUAN 29-6 UNIT #237						
		SAN JUAN 29-6 UNIT #238						
SF-078278	29N 6W		1540.77		TRACT: 002			11.158620
	SEC. 3	LOTS 13 - 16,		ORRI:		4.000000	4.000000	
		SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 4	LOTS 5, 8, 9, 10,		WORKING INTEREST:				
		E/2 SE/4, NW/4 SE/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
	SEC. 10	LOTS 1 - 4,		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
		SE/4, W/2						
	SEC. 13	LOTS 1 - 4,		TOTAL		100.000000	100.000000	
		W/2 E/2, W/2						
	REMARKS:	SAN JUAN 29-6 UNIT #206						
		SAN JUAN 29-6 UNIT #214						
		SAN JUAN 29-6 UNIT #215						
		SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #219						
		SAN JUAN 29-6 UNIT #224						
		SAN JUAN 29-6 UNIT #225R						
		SAN JUAN 29-6 UNIT #247R						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078278	29N 6W		320.00		TRACT: 002A			2.317518
	SEC. 14	E/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 29-6 UNIT #226						
NM-012670	29N 6W		160.00		TRACT: 004			1.158758
	SEC. 35	N/2 SW/4, S/2 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #229						
SF-078426	29N 6W		840.00		TRACT: 005			6.083478
	SEC. 18	W/2 SW/4, E/2 E/2, NW/4 NE/4		ORRI:		4.000000	4.000000	
				ROYALTY:		12.500000	12.500000	
	SEC. 19	NE/4, W/2 SW/4, SE/4 SW/4		WORKING INTEREST:				
				MERIDIAN OIL PRODUCTION INC.		62.625000	62.625000	
	SEC. 30	NE/4, W/2 SE/4, NE/4 SE/4		VASTAR RESOURCES, INC.		20.875000	20.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #213 SAN JUAN 29-6 UNIT #236 SAN JUAN 29-6 UNIT #240 SAN JUAN 29-6 UNIT #241 SAN JUAN 29-6 UNIT #242						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078426-A	29N 6W		360.00		TRACT: 005A			2.607205
	SEC. 17	W/2 SE/4, SE/4 SE/4		ORRI:		4.000000	4.000000	
	SEC. 20	W/2 NW/4, NW/4 SW/4,		ROYALTY:		12.500000	12.500000	
		E/2 NE/4, SW/4 SE/4		WORKING INTEREST:				
				VASTAR RESOURCES, INC.		83.500000	83.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #210						
		SAN JUAN 29-6 UNIT #211						
SF-078426	29N 6W		280.00		TRACT: 005B			2.027826
	SEC. 17	SW/4, S/2 NW/4,		ORRI:		4.000000	4.000000	
		NW/4 NW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		57.471380	57.471380	
				MERIDIAN OIL PRODUCTION INC.		5.153620	5.153620	
				VASTAR RESOURCES, INC.		20.875000	20.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #208						
SF-078960	29N 6W		160.00		TRACT: 006			1.158758
	SEC. 17	NE/4 SE/4, NE/4 NW/4		ORRI:		4.000000	4.000000	
	SEC. 35	S/2 SW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
				WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #208						
		SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #229						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080146	29N 6W		320.00		TRACT: 008			2.317516
	SEC. 34	E/2		ORRI:		2.500000	2.500000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				MERIDIAN OIL PRODUCTION INC.		63.750000	63.750000	
				V.A. JOHNSTON FAMILY TRUST		1.771400	1.771400	
				JAMES J. JOHNSTON		3.541950	3.541950	
				EULA MAE JOHNSTON TRUST		7.083050	7.083050	
				VEVA JEAN GIBBARD		1.770550	1.770550	
				MERIDIAN MINERALS COMPANY		7.083050	7.083050	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT # 235						
SF-080180	29N 6W		160.00		TRACT: 009			1.158758
	SEC. 9	E/2 E/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 29-6 UNIT # 259						
SF-080180	29N 6W		240.00		TRACT: 009A			1.738137
	SEC. 22	SE/4, W/2 NE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT # 249						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080377	29N 6W		678.60		TRACT: 010			4.914581
	SEC. 5	LOTS 5 & 6, SW/4 NE/4,		ORRI:		5.000000	5.000000	
		NW/4 SE/4, S/2 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 9	SW/4 NE/4, W/2 SE/4,		WORKING INTEREST:				
		W/2		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 29-6 UNIT #217						
		SAN JUAN 29-6 UNIT #257R						
		SAN JUAN 29-6 UNIT #259						
SF-080377	29N 6W		80.00		TRACT: 010A			0.579379
	SEC. 27	E/2 NE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		67.650000	67.650000	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						
SF-080379-A	29N 6W		1438.60		TRACT: 011			10.418681
	SEC. 5	LOTS 7 & 8, S/2 NW/4,		ORRI:		5.000000	5.000000	
		SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 8	ALL		WORKING INTEREST:				
	SEC. 17	NE/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
	SEC. 21	E/2		WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #218						
		SAN JUAN 29-6 UNIT #245						
		SAN JUAN 29-6 UNIT #246						
		SAN JUAN 29-6 UNIT #262						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080379	29N 6W		1118.60		TRACT: 011A			8.101165
	SEC. 6	ALL		ORRI:		5.000000	5.000000	
	SEC. 7	E/2, E/2 W/2		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		41.250000	41.250000	
				BOLACK MINERALS COMPANY		41.250000	41.250000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #201						
		SAN JUAN 29-6 UNIT #202						
		SAN JUAN 29-6 UNIT #203						
		SAN JUAN 29-6 UNIT #204						
SF-080662	29N 6W		40.00		TRACT: 013			0.289689
	SEC. 7	NW/4 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T.H. MCELVAIN OIL & GAS		41.250000	41.250000	
				JAMES M. RAYMOND		34.375000	34.375000	
				MAYDELL MILLER MAST TRUST		3.437500	3.437500	
				CORINNE MILLER GAY TRUST		3.437500	3.437500	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #203						

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-03040	29N 6W		320.00		TRACT: 014			2.317516
	SEC. 21	W/2		ORRI:		21.875000	21.875000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		65.625000	65.625000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #205						
NM-03471	29N 6W		120.00		TRACT: 015A			0.869068
	SEC. 7	NW/4 SW/4		ORRI:		5.000000	5.000000	
	SEC. 20	E/2 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 29-6 UNIT #203 SAN JUAN 29-6 UNIT #211						
NM-03471	29N 6W		160.00		TRACT: 015B			1.158758
	SEC. 27	W/2 E/2		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		67.650000	67.650000	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-03471	29N 6W		40.00		TRACT: 015C			0.289689
	SEC. 35	NW/4 NW/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 29-6 UNIT #229						
NM-05220	29N 6W		80.00		TRACT: 016			0.579379
	SEC. 22	E/2 NE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #249						
E-289-3	29N 6W		160.00		TRACT: 017			1.158758
	SEC. 2	SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				THE WISER OIL COMPANY		87.500000	87.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #239						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-289-44	29N 6W		119.23		TRACT: 017A			0.863492
	SEC. 2	LOTS 5 & 6, SE/4 NE/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 29-6 UNIT #239						
E-289-38	29N 6W		320.00		TRACT: 017B			2.317516
	SEC. 16	W/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 29-6 UNIT #258						
E-289-45	29N 6W		279.13		TRACT: 017C			2.021525
	SEC. 2	LOTS 7 & 8,		ORRI:		0.000000	0.000000	
		S/2 NW/4, W/2 SW/4,		ROYALTY:		12.500000	12.500000	
		SW/4 NE/4		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 29-6 UNIT #207						
		SAN JUAN 29-6 UNIT #239						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-289-43	29N 6W		80.00		TRACT: 017D			0.579379
	SEC. 2	E/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 29-6 UNIT #207						
E-289-29	29N 6W		80.00		TRACT: 017E			0.579379
	SEC. 16	S/2 SE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #260						
E-289-38	29N 6W		200.00		TRACT: 017F			1.448447
	SEC. 16	NE/4, NW/4 SE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #260						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-4083-18	29N 6W		40.00		TRACT: 018			0.289689
	SEC. 16	NE/4 SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T.H. MCELVAIN OIL & GAS		21.875000	21.875000	
				JAMES M. RAYMOND		18.229750	18.229750	
				MAYDELL MILLER MAST TRUST		1.822625	1.822625	
				CORINNE MILLER GAY TRUST		1.822625	1.822625	
				VAUGHAN-MCELVAIN ENERGY		29.166375	29.166375	
				CARL MCELVAIN ESTATE		14.583625	14.583625	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #260						
FEE	29N 6W		437.78		TRACT: 019			3.170506
	SEC. 3	13.58 ACRES OF TR. 40 IN THE NW/4		ORRI:		4.000000	4.000000	
				ROYALTY:		12.500000	12.500000	
	SEC. 3	LOTS 5 - 12, & ALL OF TR. 38		WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
	SEC. 4	100.68 ACRES BEING PART OF TR. 40 IN NE/4		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
	SEC. 4	16.91 ACRES IN TR. 40 IN THE NW/4		TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #206 SAN JUAN 29-6 UNIT #214 SAN JUAN 29-6 UNIT #215 SAN JUAN 29-6 UNIT #216						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		156.25		TRACT: 020			1.131599
	SEC. 3	PART OF TR. 42 IN THE SE/4		ORRI:		4.000000	4.000000	
	SEC. 10	84.13 ACRES BEING		ROYALTY:		12.500000	12.500000	
		PART OF TR. 42 IN TNE NE/4		WORKING INTEREST:				
	SEC. 11	9.66 ACRES BEING		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
		PART OF TR. 42 IN THE NW/4		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #214						
		SAN JUAN 29-6 UNIT #219						
		SAN JUAN 29-6 UNIT #221						
FEE	29N 6W		80.00		TRACT: 022			0.579379
	SEC. 18	N/2 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SOUTHLAND ROYALTY COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #236						
FEE	29N 6W		80.00		TRACT: 022A			0.579379
	SEC. 7	SW/4 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SOUTHLAND ROYALTY COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #203						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		360.00		TRACT: 023			2.607205
	SEC. 20	E/2 NW/4, E/2 SW/4,		ORRI:		0.000000	5.000000	
		SW/4 SW/4, W/2 NE/4,		ROYALTY:		12.500000	12.500000	
		NW/4 SE/4		WORKING INTEREST:				
	SEC. 30	SE/4 SE/4		WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #210						
		SAN JUAN 29-6 UNIT #211						
		SAN JUAN 29-6 UNIT #213						
FEE	29N 6W		320.00		TRACT: 023A			2.317516
	SEC. 19	SE/4, W/2 NW/4,		ORRI:		5.000000	5.000000	
		SE/4 NW/4, NE/4 SW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T. H. MCELVAIN OIL & GAS		41.250000	41.250000	
				JAMES M. RAYMOND		34.375000	34.375000	
				MAYDELL MILLER MAST TRUST		3.437500	3.437500	
				CORINNE MILLER GAY TRUST		3.437500	3.437500	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #241						
		SAN JUAN 29-6 UNIT #242						
FEE	29N 6W		40.00		TRACT: 024A			0.289689
	SEC. 35	NE/4 NW/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				KOCH EXPLORATION COMPANY		65.625000	65.625000	
				MERIDIAN OIL PRODUCTION INC.		21.875000	21.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #229						

THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		160.00		TRACT: 025			1.158758
	SEC. 4	SW/4 NW/4,		ORRI:		5.000000	5.000000	
		NW/4 SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 5	SE/4 NE/4,		WORKING INTEREST:				
		NE/4 SE/4		CENTRAL RESOURCES, INC.		36.029124	36.029124	
				PETROX CONSULTING, INC.		5.156250	5.156250	
				TIPPERARY OIL & GAS CORP.		19.723003	19.723003	
				AMERICAN WEST GAS-1993 L.L.C.		8.250000	8.250000	
				R.K.C., INC.		13.341623	13.341623	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #217						
FEE	29N 6W		306.47		TRACT: 026			2.219528
	SEC. 4	13.53 ACRES IN NE/4,		ORRI:		0.000000	0.000000	
		SW/4 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 4	TR. 41, LOTS 6, 7, 11, 12,		WORKING INTEREST:				
		S/2 SW/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		71.750000	71.750000	
	SEC. 9	NW/4 NE/4		WILLIAMS PRODUCTION COMPANY		15.750000	15.750000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #206						
		SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #259						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
THE 016 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		320.00		TRACT: 027			2.317516
	SEC. 18	S/2 NW/4, E/2 SW/4,		ORRI:		0.125000	0.125000	
		SW/4 NE/4, W/2 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 19	NE/4 NW/4		WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		35.823750	35.823750	
				WILLIAMS PRODUCTION COMPANY		7.863750	7.863750	
				T.H. MCELVAIN OIL & GAS		21.843750	21.843750	
				JAMES M. RAYMOND		18.203126	18.203126	
				MAYDELL MILLER MAST TRUST		1.820312	1.820312	
				CORINNE MILLER GAY TRUST		1.820312	1.820312	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #236						
		SAN JUAN 29-6 UNIT #240						
		SAN JUAN 29-6 UNIT #242						
FEE	29N 6W		80.00		TRACT: 028			0.579379
	SEC. 27	E/2 SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		71.750000	71.750000	
				WILLIAMS PRODUCTION COMPANY		15.750000	15.750000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						
		TOTAL	13807.89					100.000000

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVII
RECAPITULATION

DATE 07/20/95

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION ON NON-COMMITTED LANDS IN PARTICIPATING AREA:

TOWNSHIP 29N, RANGE 6W

SECTION 1	: ALL
SECTION 2	: ALL
SECTION 3	: ALL
SECTION 4	: ALL
SECTION 5	: ALL
SECTION 6	: ALL
SECTION 7	: ALL
SECTION 8	: ALL
SECTION 9	: ALL
SECTION 10	: ALL
SECTION 11	: ALL
SECTION 12	: ALL
SECTION 13	: ALL
SECTION 14	: E/2
SECTION 16	: ALL
SECTION 17	: ALL
SECTION 19	: ALL
SECTION 20	: ALL
SECTION 21	: ALL
SECTION 22	: E/2
SECTION 27	: E/2
SECTION 30	: E/2
SECTION 34	: E/2
SECTION 35	: W/2

TOTAL COMMITTED: 13807.89

TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 13807.89

- SUBJECT TO REVERSIONARY INTEREST TO PHILLIPS PETROLEUM COMPANY

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-012698	29N 6W		1732.46		TRACT: 001			12.262695
	SEC. 1	LOTS 5 - 15, SW/4 NE/4,		ORRI:		4.000000	4.000000	
		S/2 NW/4, W/2 SW/4,		ROYALTY:		12.500000	12.500000	
		PART OF TR 37		WORKING INTEREST:				
	SEC. 11	LOT 1, SW/4,		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
		E/2 NW/4, SW/4 NW/4,		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
		E/2						
	SEC. 12	LOTS 1 - 6, W/2 SE/4,		TOTAL		100.000000	100.000000	
		W/2 NW/4, SE/4 NW/4,						
		SW/4, PART OF TR. 37						
	REMARKS:	SAN JUAN 29-6 UNIT #220						
		SAN JUAN 29-6 UNIT #221						
		SAN JUAN 29-6 UNIT #222						
		SAN JUAN 29-6 UNIT #223						
		SAN JUAN 29-6 UNIT #237						
		SAN JUAN 29-6 UNIT #238						
SF-078278	29N 6W		1540.77		TRACT: 002			10.905875
	SEC. 3	LOTS 13 - 16,		ORRI:		4.000000	4.000000	
		SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 4	LOTS 5, 8, 9, 10,		WORKING INTEREST:				
		E/2 SE/4, NW/4 SE/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
	SEC. 10	LOTS 1 - 4,		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
		SE/4, W/2						
	SEC. 13	LOTS 1 - 4,		TOTAL		100.000000	100.000000	
		W/2 E/2, W/2						
	REMARKS:	SAN JUAN 29-6 UNIT #206						
		SAN JUAN 29-6 UNIT #214						
		SAN JUAN 29-6 UNIT #215						
		SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #219						
		SAN JUAN 29-6 UNIT #224						
		SAN JUAN 29-6 UNIT #225R						
		SAN JUAN 29-6 UNIT #247R						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078278	29N 6W		640.00		TRACT: 002A			4.530047
	SEC. 14	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 29-6 UNIT #226						
		SAN JUAN 29-6 UNIT #227						
NM-012670	29N 6W		160.00		TRACT: 004			1.132512
	SEC. 35	N/2 SW/4,		ORRI:		5.000000	5.000000	
		S/2 NW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #229						
SF-078426	29N 6W		640.00		TRACT: 005			5.945686
	SEC. 18	W/2 SW/4, E/2 E/2,		ORRI:		4.000000	4.000000	
		NW/4 NE/4		ROYALTY:		12.500000	12.500000	
	SEC. 19	NE/4, W/2 SW/4,		WORKING INTEREST:				
		SE/4 SW/4		MERIDIAN OIL PRODUCTION INC.		62.625000	62.625000	
	SEC. 30	NE/4, W/2 SE/4,		VASTAR RESOURCES, INC.		20.875000	20.875000	
		NE/4 SE/4						
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #213						
		SAN JUAN 29-6 UNIT #236						
		SAN JUAN 29-6 UNIT #240						
		SAN JUAN 29-6 UNIT #241						
		SAN JUAN 29-6 UNIT #242						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29–6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-078426-A	29N 6W		360.00		TRACT: 005A			2.548151
	SEC. 17	W/2 SE/4, SE/4 SE/4		ORRI:		4.000000	4.000000	
	SEC. 20	W/2 NW/4, NW/4 SW/4,		ROYALTY:		12.500000	12.500000	
		E/2 NE/4, SW/4 SE/4		WORKING INTEREST:				
				VASTAR RESOURCES, INC.		83.500000	83.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #210						
		SAN JUAN 29-6 UNIT #211						
SF-078426	29N 6W		280.00		TRACT: 005B			1.981695
	SEC. 17	SW/4, S/2 NW/4,		ORRI:		4.000000	4.000000	
		NW/4 NW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		57.471380	57.471380	
				MERIDIAN OIL PRODUCTION INC.		5.153620	5.153620	
				VASTAR RESOURCES, INC.		20.875000	20.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #208						
SF-078960	29N 6W		160.00		TRACT: 006			1.132512
	SEC. 17	NE/4 SE/4, NE/4 NW/4		ORRI:		4.000000	4.000000	
	SEC. 35	S/2 SW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
				WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #208						
		SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #229						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080146	29N 6W	320.00		TRACT: 008			2.265023
	SEC. 34 E/2		ORRI:		2.500000	2.500000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			MERIDIAN OIL PRODUCTION INC.		63.750000	63.750000	
			V.A. JOHNSTON FAMILY TRUST		1.771400	1.771400	
			JAMES J. JOHNSTON		3.541950	3.541950	
			EULA MAE JOHNSTON TRUST		7.083050	7.083050	
			VEVA JEAN GIBBARD		1.770550	1.770550	
			MERIDIAN MINERALS COMPANY		7.083050	7.083050	
			TOTAL		100.000000	100.000000	
	REMARKS: SAN JUAN 29-6 UNIT #235						
SF-080180	29N 6W	160.00		TRACT: 009			1.132512
	SEC. 9 E/2 E/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 29-6 UNIT #259						
SF-080180	29N 6W	240.00		TRACT: 009A			1.698767
	SEC. 22 SE/4, W/2 NE/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
	REMARKS: SAN JUAN 29-6 UNIT #249						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080377	29N 6W		678.60		TRACT: 010			4.803265
	SEC. 5	LOTS 5 & 6, SW/4 NE/4,		ORRI:		5.000000	5.000000	
		NW/4 SE/4, S/2 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 9	SW/4 NE/4, W/2 SE/4,		WORKING INTEREST:				
		W/2		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 29-6 UNIT #217						
		SAN JUAN 29-6 UNIT #257R						
		SAN JUAN 29-6 UNIT #259						
SF-080377	29N 6W		80.00		TRACT: 010A			0.566256
	SEC. 27	E/2 NE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		67.650000	67.650000	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						
SF-080379-A	29N 6W		1438.60		TRACT: 011			10.182695
	SEC. 5	LOTS 7 & 8, S/2 NW/4,		ORRI:		5.000000	5.000000	
		SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 8	ALL		WORKING INTEREST:				
	SEC. 17	NE/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		67.650000	67.650000	
	SEC. 21	E/2		WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #209						
		SAN JUAN 29-6 UNIT #218						
		SAN JUAN 29-6 UNIT #245						
		SAN JUAN 29-6 UNIT #246						
		SAN JUAN 29-6 UNIT #262						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-080379	29N 6W		1118.60		TRACT: 011A			7.917672
	SEC. 6	ALL		ORRI:		5.000000	5.000000	
	SEC. 7	E/2, E/2 W/2		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				EL PASO PRODUCTION COMPANY		41.250000	41.250000	
				BOLACK MINERALS COMPANY		41.250000	41.250000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #201						
		SAN JUAN 29-6 UNIT #202						
		SAN JUAN 29-6 UNIT #203						
		SAN JUAN 29-6 UNIT #204						
SF-080662	29N 6W		40.00		TRACT: 013			0.283128
	SEC. 7	NW/4 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T.H. MCELVAIN OIL & GAS		41.250000	41.250000	
				JAMES M. RAYMOND		34.375000	34.375000	
				MAYDELL MILLER MAST TRUST		3.437500	3.437500	
				CORINNE MILLER GAY TRUST		3.437500	3.437500	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #203						

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-03040	29N 6W	320.00		TRACT: 014			2.265023
	SEC. 21 W/2		ORRI:		21.875000	21.875000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			EL PASO PRODUCTION COMPANY		65.625000	65.625000	
			TOTAL		100.000000	100.000000	
	REMARKS: SAN JUAN 29-6 UNIT #205						
NM-03471	29N 6W	120.00		TRACT: 015A			0.849384
	SEC. 7 NW/4 SW/4		ORRI:		5.000000	5.000000	
	SEC. 20 E/2 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 29-6 UNIT #203 SAN JUAN 29-6 UNIT #211						
NM-03471	29N 6W	160.00		TRACT: 015B			1.132512
	SEC. 27 W/2 E/2		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			PHILLIPS PETROLEUM COMPANY		67.650000	67.650000	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
	REMARKS: IDB IN E/2 SEC. 27						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
NM-03471	29N 6W	40.00		TRACT: 015C			0.283128
	SEC. 35 NW/4 NW/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 29-6 UNIT #229						
NM-05220	29N 6W	80.00		TRACT: 016			0.566256
	SEC. 22 E/2 NE/4		ORRI:		5.000000	5.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
			WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
			TOTAL		100.000000	100.000000	
	REMARKS: SAN JUAN 29-6 UNIT #249						
E-289-3	29N 6W	160.00		TRACT: 017			1.132512
	SEC. 2 SE/4		ORRI:		0.000000	0.000000	
			ROYALTY:		12.500000	12.500000	
			WORKING INTEREST:				
			THE WISER OIL COMPANY		87.500000	87.500000	
			TOTAL		100.000000	100.000000	
	REMARKS: SAN JUAN 29-6 UNIT #239						

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-289-44	29N 6W		119.23		TRACT: 017A			0.843934
	SEC. 2	LOTS 5 & 6, SE/4 NE/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 29-6 UNIT #239						
E-289-38	29N 6W		320.00		TRACT: 017B			2.265023
	SEC. 16	W/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 29-6 UNIT #256						
E-289-45	29N 6W		279.13		TRACT: 017C			1.975737
	SEC. 2	LOTS 7 & 8, S/2 NW/4, W/2 SW/4, SW/4 NE/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 29-6 UNIT #207 SAN JUAN 29-6 UNIT #239						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-289-43	29N 6W		80.00		TRACT: 017D			0.566256
	SEC. 2	E/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 29-6 UNIT # 207						
E-289-29	29N 6W		80.00		TRACT: 017E			0.566256
	SEC. 16	S/2 SE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT # 260						
E-289-38	29N 6W		200.00		TRACT: 017F			1.415639
	SEC. 16	NE/4, NW/4 SE/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SAN JUAN BASIN PARTNERSHIP		67.650000 *	67.650000 *	
				WILLIAMS PRODUCTION COMPANY		14.850000	14.850000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT # 260						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
E-4083-18	29N 6W		40.00		TRACT: 018			0.283128
	SEC. 16	NE/4 SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T.H. MCELVAIN OIL & GAS		21.875000	21.875000	
				JAMES M. RAYMOND		18.229750	18.229750	
				MAYDELL MILLER MAST TRUST		1.822625	1.822625	
				CORINNE MILLER GAY TRUST		1.822625	1.822625	
				VAUGHAN-MCELVAIN ENERGY		29.166375	29.166375	
				CARL MCELVAIN ESTATE		14.583625	14.583625	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #260						
FEE	29N 6W		437.78		TRACT: 019			3.098693
	SEC. 3	13.58 ACRES OF TR. 40 IN THE NW/4		ORRI:		4.000000	4.000000	
				ROYALTY:		12.500000	12.500000	
	SEC. 3	LOTS 5 - 12, & ALL OF TR. 38		WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
	SEC. 4	100.68 ACRES BEING PART OF TR. 40 IN NE/4		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
	SEC. 4	16.91 ACRES IN TR. 40 IN THE NW/4		TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #206 SAN JUAN 29-6 UNIT #214 SAN JUAN 29-6 UNIT #215 SAN JUAN 29-6 UNIT #216						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

SERIAL NUMBER	DESCRIPTION		NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		156.25		TRACT: 020			1.105968
	SEC. 3	PART OF TR. 42 IN THE SE/4		ORRI:		4.000000	4.000000	
	SEC. 10	84.13 ACRES BEING		ROYALTY:		12.500000	12.500000	
		PART OF TR. 42 IN TNE NE/4		WORKING INTEREST:				
	SEC. 11	9.66 ACRES BEING		PHILLIPS-SAN JUAN PARTNERS, L.P.		68.470000	68.470000	
		PART OF TR. 42 IN THE NW/4		WILLIAMS PRODUCTION COMPANY		15.030000	15.030000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #214						
		SAN JUAN 29-6 UNIT #219						
		SAN JUAN 29-6 UNIT #221						
FEE	29N 6W		80.00		TRACT: 022			0.566256
	SEC. 18	N/2 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SOUTHLAND ROYALTY COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #236						
FEE	29N 6W		80.00		TRACT: 022A			0.566256
	SEC. 7	SW/4 NW/4		ORRI:		5.000000	5.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				SOUTHLAND ROYALTY COMPANY		82.500000	82.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #203						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
RECAPITULATION

DATE 07/20/95

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION ON NON-COMMITTED LANDS IN PARTICIPATING AREA:

TOWNSHIP 29N, RANGE 6W

SECTION 1	: ALL
SECTION 2	: ALL
SECTION 3	: ALL
SECTION 4	: ALL
SECTION 5	: ALL
SECTION 6	: ALL
SECTION 7	: ALL
SECTION 8	: ALL
SECTION 9	: ALL
SECTION 10	: ALL
SECTION 11	: ALL
SECTION 12	: ALL
SECTION 13	: ALL
SECTION 14	: ALL
SECTION 16	: ALL
SECTION 17	: ALL
SECTION 19	: ALL
SECTION 20	: ALL
SECTION 21	: ALL
SECTION 22	: E/2
SECTION 27	: E/2
SECTION 30	: E/2
SECTION 34	: E/2
SECTION 35	: W/2

TOTAL COMMITTED: 14127.89

TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 14127.89

- SUBJECT TO REVERSIONARY INTEREST TO PHILLIPS PETROLEUM COMPANY

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		360.00		TRACT: 023			2.548151
	SEC. 20	E/2 NW/4, E/2 SW/4,		ORRI:		0.000000	5.000000	
		SW/4 SW/4, W/2 NE/4,		ROYALTY:		12.500000	12.500000	
		NW/4 SE/4		WORKING INTEREST:				
	SEC. 30	SE/4 SE/4		WILLIAMS PRODUCTION COMPANY		87.500000	87.500000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #210						
		SAN JUAN 29-6 UNIT #211						
		SAN JUAN 29-6 UNIT #213						
FEE	29N 6W		320.00		TRACT: 023A			2.265023
	SEC. 19	SE/4, W/2 NW/4,		ORRI:		5.000000	5.000000	
		SE/4 NW/4, NE/4 SW/4		ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				T. H. MCELVAIN OIL & GAS		41.250000	41.250000	
				JAMES M. RAYMOND		34.375000	34.375000	
				MAYDELL MILLER MAST TRUST		3.437500	3.437500	
				CORINNE MILLER GAY TRUST		3.437500	3.437500	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #241						
		SAN JUAN 29-6 UNIT #242						
FEE	29N 6W		40.00		TRACT: 024A			0.283128
	SEC. 35	NE/4 NW/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				KOCH EXPLORATION COMPANY		65.625000	65.625000	
				MERIDIAN OIL PRODUCTION INC.		21.875000	21.875000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #229						

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		160.00		TRACT: 025			1.132512
	SEC. 4	SW/4 NW/4,		ORRI:		5.000000	5.000000	
		NW/4 SW/4		ROYALTY:		12.500000	12.500000	
	SEC. 5	SE/4 NE/4,		WORKING INTEREST:				
		NE/4 SE/4		CENTRAL RESOURCES, INC.		36.029124	36.029124	
				PETROX CONSULTING, INC.		5.156250	5.156250	
				TIPPERARY OIL & GAS CORP.		19.723003	19.723003	
				AMERICAN WEST GAS-1993 L.L.C.		8.250000	8.250000	
				R.K.C., INC.		13.341623	13.341623	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #217						
FEE	29N 6W		306.47		TRACT: 026			2.169255
	SEC. 4	13.53 ACRES IN NE/4,		ORRI:		0.000000	0.000000	
		SW/4 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 4	TR. 41, LOTS 6, 7, 11, 12,		WORKING INTEREST:				
		S/2 SW/4		PHILLIPS-SAN JUAN PARTNERS, L.P.		71.750000	71.750000	
	SEC. 9	NW/4 NE/4		WILLIAMS PRODUCTION COMPANY		15.750000	15.750000	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #206						
		SAN JUAN 29-6 UNIT #216						
		SAN JUAN 29-6 UNIT #259						

PHILLIPS PETROLEUM COMPANY
SCHEDULE XVIII
THE 017 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION
SAN JUAN 29-6 UNIT AREA

DATE 07/20/95

SERIAL NUMBER		DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
FEE	29N 6W		320.00		TRACT: 027			2.265023
	SEC. 18	S/2 NW/4, E/2 SW/4,		ORRI:		0.125000	0.125000	
		SW/4 NE/4, W/2 SE/4		ROYALTY:		12.500000	12.500000	
	SEC. 19	NE/4 NW/4		WORKING INTEREST:				
				PHILLIPS-SAN JUAN PARTNERS, L.P.		35.823750	35.823750	
				WILLIAMS PRODUCTION COMPANY		7.863750	7.863750	
				T.H. MCELVAIN OIL & GAS		21.843750	21.843750	
				JAMES M. RAYMOND		18.203126	18.203126	
				MAYDELL MILLER MAST TRUST		1.820312	1.820312	
				CORINNE MILLER GAY TRUST		1.820312	1.820312	
				TOTAL		100.000000	100.000000	
	REMARKS:	SAN JUAN 29-6 UNIT #236						
		SAN JUAN 29-6 UNIT #240						
		SAN JUAN 29-6 UNIT #242						
FEE	29N 6W		80.00		TRACT: 028			0.566256
	SEC. 27	E/2 SE/4		ORRI:		0.000000	0.000000	
				ROYALTY:		12.500000	12.500000	
				WORKING INTEREST:				
				PHILLIPS PETROLEUM COMPANY		71.750000	71.750000	
				WILLIAMS PRODUCTION COMPANY		15.750000	15.750000	
				TOTAL		100.000000	100.000000	
	REMARKS:	IDB IN E/2 SEC. 27						
		TOTAL	14127.89					100.000000

NORTHWEST PIPELINE CORPORATION
1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202
(303) 620-3500

Mailing Address
P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

November 14, 1980

Mr. Jack Willock
Assistant Area Oil
and Gas Supervisor
United States Geological Survey
Western National Bank Building
505 Marquette NW, Suite 815
Albuquerque, New Mexico 87102

State of New Mexico
Commissioner of Public Lands
Attention: Mr. Ray D. Graham
Post Office Box 1148
Santa Fe, New Mexico 87501

State of New Mexico
Oil Conservation Commission
Attention: Mr. Joe Ramey
Post Office Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Re: San Juan 29-6 Unit
<u>Corrected First Expansion</u>
<u>Participating Area</u>
<u>Pictured Cliffs Formation</u>
<u>Effective December 1, 1979</u>

We have been advised by the U.S.G.S. and the B.L.M. that the acreage shown for the W/2 of Section 1, Township 29 North, Range 6 West in our expansion dated September 10, 1980 was incorrect. Therefore, we have corrected the acreage figure for the W/2 of Section 1 and resubmit our expansion on the basis of the corrected figures.

Yours very truly,

Kathy Michael

Kathy Michael
Land Records Coordinator

KM:vh
Enclosures