PATRICK H. LYONS COMMISSIONER

State of New Mexico Commissioner of Public Lands

310 OLD SANTA FE TRAIL P.O. BOX 1148 SANTA FE, NEW MEXICO 87504-1148 COMMISSIONER'S OFFICE

Phone (505) 827-5760 Fax (505) 827-5766 www.nmstatelands.org

February 24, 2003

Phillips Petroleum Company 5525 Hwy 64, NBU 3004 Farmington, NM 87401

Attention: Mr. Skip Fraker

Re: San Juan 29-5 Unit Well No. 45 NE/4 Sec. 22-29N-5W

San Juan 29-5 Unit Well No. 49A NW/4 Sec. 9-29N-5W

Commercial Determinations
Pictured Cliffs Formation
Rio Arriba County; New Mexico

Dear Mr. Fraker:

We are in receipt of your letter of July 2, 2002 and a copy of the Bureau of Land Management's letter of August 21, 2002 regarding the commercial determinations for the San Juan 29-5 Unit Well No. 45 and 49A.

We concur with the Bureau of Land Management's determination that the San Juan 29-5 Unit Well Nos. 45 and 49A are commercial wells in the Pictured Cliffs Formation and should be included in the Pictured Cliffs participating area. Please submit an application for the appropriate expansion to the Pictured Cliffs participating area.

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

Very truly yours,

PATRICK H. LYONS

COMMISSIONER OF PUBLIC LANDS

BY:

JAMI BAILEY, Director

Oil, Gas and Minerals Division

(505) 827-5744

PL/JB/pm

pc: Reader File,

BLM-Farmington Attn: Mr. Wayne Townsend

OCD-Santa Fe Attn: Mr. Roy Johnson TRD-Attn: Mr. Valdean Severson RMD-Attn: Ms. Linda Vieira



September 9, 2002

Bureau of Land Management (3 copies) Farmington Resource Area 1235 La Plata Highway Farmington, N.M 87401

Commissioner of Public Lands (2 copies)
State of New Mexico
Attn: Mr. Ray Powell
PO Box 1148
Santa Fe, NM 87504-1148

Oil Conservation Division (2 copies)
State of New Mexico
Attn: Ms. Lori Wrotenberry
1220 S. Saint Francis Drive
Santa Fe, NM 87505-4000

RE: SAN JUAN 29-5 UNIT

#14-08-001-437

EIGHTH EXPANSION - EFFECTIVE 4-1-00 NINTH EXPANSION - EFFECTIVE 1-1-02 RIO ARRIBA COUNTY, NEW MEXICO C40452, LCN 650108

Ladies and Gentlemen:

Pursuant to Section 11(a) of the San Juan 29-5 Unit Agreement #14-08-001-439, approved November 21, 1952, Phillips Petroleum Company, as Unit Operator, determined on the dates indicated below that the wells listed below were capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation. Therefore, this application for the Eighth Expansion of the Participating Area established for the Pictured Cliffs Formation is respectfully submitted for your approval as follows:

Eighth Expanded Participating Area Effective April 1, 2000

Drilling Block	New Acres	Well No.
E/2, Section 22, T29N, R5W	320.00	45

The San Juan 29-5 Unit #45 was recompleted from the Mesaverde Formation into the Pictured Cliffs Formation on March 6, 2000 with cumulative gas production of 53,280 mcf through February 28, 2002. The drillblock unit for this well is described as the E/2 of Section 22-29N-5W, Rio Arriba County, New Mexico.

This well was deemed commercial per letter dated August 21, 2002 from the Bureau of Land Management.

Ninth Expanded Participating Area Effective January 1, 2002

Drilling Block	New Acres	Well No.
W/2, Section 9, T29N, R5W	320.00	49A

The San Juan 29-5 Unit #49A was recompleted from the Mesaverde Formation into the Pictured Cliffs Formation on December 14, 2001 with cumulative gas production of 42,076 mcf through May 31, 2002. The drillblock unit for this well is described as the W/2 of Section 9-29N-5W, Rio Arriba County, New Mexico.

This well was deemed commercial per letter dated August 21, 2002 from the Bureau of Land Management.

Enclosed herewith is Schedule IX for the Eighth Expanded Participating Area and Schedule X for the Ninth Expanded Participating Area for the Pictured Cliffs Formation. These schedules describes the participating areas and indicates the percentage of unitized substances allocated to the unit tracts according to the Pictured Cliffs Formation ownership of such tracts. Also included is a map reflection the existing Participating Area and the Proposed Eighth and Ninth Expansions of the San Juan 29-5 Unit Pictured Cliffs Formation Participating Area.

Unless this application is disapproved or contested, the Eigth Expanded Participating Area is effective as of April 1, 2000 and the Ninth Expanded Participating Area is effective January 1, 2002 respective. Copies of this application are being provided to the State of New Mexico Land Office, State of New Mexico Oil and Gas Division and the Unit Working Interest Owners.

Respectfully yours,

Skip Fraker

San Juan Region - Land Dept.

(505) 599-3428

cc: San Juan 29-6 Unit Owners W. D. Jaap (r) Supervisors

SAN JUAN 29-5 UNIT
EIGHTH & NINTH EXPANSIONS
Page 3

The signatory approvals below are for the Eighth and Ninth Expanded Participating Areas of the Pictured Cliffs Formation in the San Juan 29-5 Unit #14-08-001-437.

Approved

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

Approved

Commissioner of Public Lands Subject to like approval by the Bureau of Land Management And the Oil Conservation Division

Approved

Oil Conservation Division
Subject to like approval by the
Bureau of Land Management
And the Commissioner of Public Lands

SAN JUAN 32-7 PICTURED CLIFFS WORKING INTEREST OWNERS DRILL BLOCK AND PARTICIPATING AREAS

Benson-Montin-Greer Drilling Corporation
Burlington Resources Oil & Gas, Inc
Floyd Oil Company
Phillips Petroleum Company
Williams Production Company

SCHEDULE IX

EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION SAN JUAN 29-5 UNIT

San Jua	Remarks: San Juan		Sec. 10: NE/4	Sec. 9: SE/4	USA SF-078642 Township			Remarks: San Jua			Sec. 6: 1	USA SF-078410 Township			Remarks: San Juan 29-5 #81			Sec. 6: SW/4	USA SF-078305 Township		SERIAL NUMBER	
San Juan 29-5 #104	San Juan 29-5 #102		NE/4	SE/4	Township 29 North, Range 5 West			San Juan 29-5 #78			Sec. 6: Lots 1, 2, 3, 4, S/2N/2, SE/4	Township 29 North, Range 5 West			ın 29-5 #81			SW/4	Township 29 North, Range 5 West		DESCRIPTION	
					320.00							480.88							160.00		ACRES	Ç
	Overriding Royalty Interest	Williams Production Company	Phillips Petroleum Company	Working Interest:	Royalty:	Tract 8		Overriding Royalty Interest	Williams Production Company	Phillips Petroleum Company	Working Interest:	Royalty:	Tract 6		Overriding Royalty Interest	Williams Production Company	Phillips Petroleum Company	Working Interest:	Royalty:	Tract 4	OWNERSHIP	
100.000000	5.000000	14.850000	67.650000		12.500000		100.000000	5.000000	14.850000	67.650000		12.500000		100.000000	5.000000	14.850000	67.650000		12.500000		PERCENTAGE	
100.000000	5.000000	14.850000	67.650000		12.500000		100.000000	5.000000	14.850000	67.650000		12.500000		100.000000	5,000000	14.850000	67.650000		12.500000		COMMITTED	PERCENTAGE
						9.5357010							14.3297740							4.7678500	PARTICIPATION	PRESENT ACTUAL

SCHEDULE IX

EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION

SAN JUAN 29-5 UNIT

	100.000000	100.000000			:: San Juan 29-5 #94	Remarks:
	3.000000	3.000000	Overriding Royalty Interest			
		42.250000	Floyd Oil Company			
	84.500000	42.250000	Benson-Montin-Greer			
			Working Interest:		Sec. 23: SE/2, E/2NE/4, SW/4NE/4	
	12.500000	12.500000	Royalty:	280.00	Township 29 North, Range 5 West	USA SF-079033
8.3437380			Tract 13-A			
	100.000000	100.000000			: San Juan 29-5 #93	Remarks:
	3.000000	3.000000	Overriding Royalty Interest			
	84.500000	84.500000	Burlington Resources Oil & Gas			
			Working Interest:		Sec. 23: W/2	
	12.500000	12.500000	Royalty:	320.00	Township 29 North, Range 5 West	USA SF-079033
9.5357010			Tract 13			
	100.000000	100.000000			San Juan 29-5 #106	
	5.000000	5.000000	Overriding Royalty Interest		San Juan 29-5 #100	
	14.850000	14.850000	Williams Production Company		: San Juan 29-5 #87	Remarks:
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 25: Lots 1, 2, 3, ,4, W/2E/2, W/2 (All)	
	12.500000	12.500000	Royalty:	549.16	Township 29 North, Range 5 West	USA SF-078917
16.3644550			Tract 12			
PARTICIPATION	PERCENTAGE COMMITTED	PERCENTAGE	OWNERSHIP	OF ACRES	DESCRIPTION	SERIAL NUMBER
		CK	R DRILLING BLOCK	NUMBER		

EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION SCHEDULE IX

NUMBER NUMBER NUMBER NUMBER NUMBER NUMBER NUMBER NUMBER NUMBER PERCENTAGE COMMITTED PARTICIPATION		100.000000	100.000000			: San Juan 29-5 #45	Remarks:
NUMBER		5.000000	5.000000	Overriding Royalty Interest			
NUMBER PERCENT AGE PARTICIT NUMBER		14.850000	14.850000	Williams Production Company			
NUMBER N		67.650000	67.650000	Phillips Petroleum Company			
NUMBER N				Working Interest:		Sec. 22: N/2NE/4, SE/4NE/4	
NUMBER N		12.500000	12.500000	Royalty:	120.00	Township 29 North, Range 5 West	USA SF-080069
NUMBER N	3.575888			Tract 17-C			
NUMBER N		100.000000	100.000000			: San Juan 29-5 #97	Remarks
NUMBER NUMBER NUMBER OF OF OWNERSHIP PERCENTAGE PERCENTAGE		5.000000	5.000000	Overriding Royalty Interest			
NUMBER N		14.850000	14.850000	Williams Production Company			
NUMBER NUMBER OF OF OF OF OF OF OF O		67.650000	67.650000	Phillips Petroleum Company			
NUMBER NUMBER DRILLING BLOCK PERCENTAGE PERCENT				Working Interest:		Sec. 15: SE/4	
NUMBER DRILLING BLOCK OF OF OWNERSHIP PERCENTAGE PRESENT		12.500000	12.500000	Royalty:	160.00	Township 29 North, Range 5 West	USA SF-080069
NUMBER DRILLING BLOCK OF OF OWNERSHIP PERCENTAGE PRESENT.	4.767850			<u>Tract 17</u>			
NUMBER NUMBER OF OWNERSHIP PERCENTAGE PERCENT		100.000000	100.000000				Remarks
NUMBER NUMBER DRILLING BLOCK OF OF ACRES OWNERSHIP PERCENTAGE PERCENTAGE PERCENTAGE PERCENTAGE PERCENTAGE PERCENTAGE PARTICIA		5.000000	5.000000	Overriding Royalty Interest			
MBER DESCRIPTION ACRES OF ACRES OWNERSHIP PERCENTAGE PERCENTAGE COMMITTED PARTICII Township 29 North, Range 5 West Sec. 22: S/2SE/4 80.00 Royalty: 12.500000 12.500000 67.650000 67.650000		14.850000	14.850000	Williams Production Company			
MBER DESCRIPTION ACRES OWNERSHIP PERCENTAGE PARTICII Township 29 North, Range 5 West Sec. 22: S/2SE/4 NUMBER DRILLING BLOCK PERCENTAGE PRESENT. OWNERSHIP PERCENTAGE COMMITTED PARTICII Tract 16 12.500000 12.500000		67.650000	67.650000	Phillips Petroleum Company			
MBER DESCRIPTION ACRES OWNERSHIP PERCENTAGE PARTICII Township 29 North, Range 5 West 80.00 Royalty: DRILLING BLOCK OF OWNERSHIP PERCENTAGE COMMITTED PARTICII Tract 16 12.500000 12.500000				Working Interest:		Sec. 22: S/2SE/4	
NUMBER DRILLING BLOCK OF OF ACRES OWNERSHIP PERCENTAGE COMMITTED PARTICIL Tract 16		12.500000	12.500000	Royalty:	80.00	Township 29 North, Range 5 West	USA SF-079944
NUMBER DRILLING BLOCK OF DESCRIPTION ACRES OWNERSHIP PERCENTAGE COMMITTED	2.383925			Tract 16			
NUMBER DRILLING BLOCK OF PERCENTAGE DESCRIPTION ACRES OWNERSHIP PERCENTAGE COMMITTED							
DRILLING BLOCK	PARTICIPATION	COMMITTED	PERCENTAGE	OWNERSHIP	OF ACRES	DESCRIPTION	SERIAL NUMBER
			CK	DRILL	NUMBER		
				O WELL ON THE TOTOLOGY	THE TAX A TAX TAX		

SCHEDULE IX

EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION

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SAN JUAN 29-5 UNIT
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	100.000000	100.000000			San Juan 29-5 #107	Remarks:
	5.000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			•
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 2: S/2NW/4, SW/4,	
	12.500000	12.500000	Royalty:	240.00	Township 29 North, Range 5 West	NM E-289-42
7.1517760			Tract 22-B			
	100.000000	100.000000			Remarks: San Juan 29-5 #47A	Remark
	4,000000	4.000000	Overriding Royalty Interest			
	15.030000	15.030000	Williams Production Company			
	68.470000	68.470000	Phillips Petroleum Company		SE/4SW/4	
			Working Interest:		Sec. 4: Lots 3, 4, S/2NW/4, W/2S/4,	
	12.500000	12.500000	Royalty:	281.60	Township 29 North, Range 5 West	USA SF-081114
8.3914170			Tract 20			
	100.000000	100.000000			Remarks: San Juan 29-5 #102	Remark
	5.000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 9: NE/4	
	12.500000	12.500000	Royalty:	160.00	Township 29 North, Range 5 West	USA SF-080179
4.7678500			Tract 18			
PARTICIPATION	COMMITTED	PERCENTAGE	OWNERSHIP	OF ACRES	DESCRIPTION	SERIAL NUMBER
		CK	DRILLING BLOCK	NUMBER		

SCHEDULE IX

EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION

SAN JUAN 29-5 UNIT

	100.000000	100.000000			Remarks: San Juan 29-5 #45	Remarks
	0.000000	0.000000	Overriding Royalty Interest			
	15.750000	15.750000	Williams Production Company			
	71.750000	71.750000	Phillips Petroleum Company		less 1 acre in the NW/4SE/4	
			Working Interest:		Sec. 22: N/2SE/4, SW/4NE/4	
	12.500000	12.500000	Royalty:	119.00	Township 29 North, Range 5 West	Fee
3,5460890			Tract 38-C			
	100.000000	100.000000			Remarks: San Juan 29-5 #45	Remarks
	0.000000	0.000000	Overriding Royalty Interest			
	15.750000	15.750000	Williams Production Company			
	71.750000	71.750000	Phillips Petroleum Company			
			Working Interest:		Sec. 22: 1 acre out of the NW/4SE/4	
	12.500000	12.500000	Royalty:	1.00	Township 29 North, Range 5 West	Fee
0.0297990			Tract 38-A			
	100.000000	100.000000			Remarks: San Juan 29-5 #107	Remarks
	5,000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 2: Lots 3, 4	
	12.500000	12.500000	Royalty:	84.17	Township 29 North, Range 5 West	NM E-289-39
2.5081870			Tract 22-E			
PARTICIPATION	PERCENTAGE COMMITTED	PERCENTAGE	OWNERSHIP	OF ACRES	DESCRIPTION	SERIAL NUMBER
		CK	DRILLING BLOCK	NUMBER		
			TO CAR A LA	<		

SCHEDULE IX EIGHTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION SAN JUAN 29-5 UNIT

RECAPITULATION

TOWNSHIP 29 NORTH, RANGE 5 WEST

SECTION 2: W/2

SECTION 4: Lots 3, 4, S/2NW/4, W/2SW/4, SE/4SW/4

SECTION 6: All SECTION 9: E/2 SECTION 10: NE/4

SECTION 15: SE/4

SECTION 22: E/2

SECTION 23: W/2, SE/4, S/2NE/4, NE/4NE/4

SECTION 25: All

Total Acres in Participating Area: 3355.81
Total Acres Committed to Participating Area: 3355.81

NINTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION SAN JUAN 29-5 UNIT SCHEDULE X

	100.000000	100.000000			San Juan 29-5 #104	
	5.000000	5.000000	Overriding Royalty Interest		s: San Juan 29-5 #102	Remarks:
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company		Sec. 10: NE/4	
			Working Interest:		Sec. 9: SE/4	
	12.500000	12.500000	Royalty:	320.00	Township 29 North, Range 5 West	USA SF-078642
8.705564			Tract 8			
	100.000000	100.000000				
	5.000000	5.000000	Overriding Royalty Interest		s: San Juan 29-5 #78	Remarks:
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 6: Lots 1, 2, 3, 4, S/2N/2, SE/4	
	12.500000	12.500000	Royalty:	480.88	Township 29 North, Range 5 West	USA SF-078410
13.082287			Tract 6			
	100.000000	100.000000				
	5.000000	5.000000	Overriding Royalty Interest		Remarks: San Juan 29-5 #81	Remark
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 6: SW/4	
	12.500000	12.500000	Royalty:	160.00	Township 29 North, Range 5 West	USA SF-078305
4.352782			Tract 4			
PARTICIPATION		PERCENTAGE	OWNERSHIP	ACRES	DESCRIPTION	SERIAL NUMBER
PRESENT ACTUAL	PERCENTAGE	8		OF NOTATION		
		CV	BED DRILLING BLOCK	NII MARED		

NINTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION SCHEDULE X

NUMBER N			N.S.	SAN JUAN 29-5 UNIT				
MBER DESCRIPTION ACRES OWNERSHIP PERCENTAGE COMMITTED PARTICIPAL PA			NUMBE		Ж			
Township 29 North, Ramge 5 West S49.16 Royalty: 12.500000	SERIAL NUMBER	DESCRIPTION	OF ACRES	OWNERSHIP	PERCENTAGE	COMMITTED	PARTICIPATION	
Township 29 North, Range 5 West 549,16 Royalty:				Tract 12			14.939836	
Sec. 25: Lots 1, 2, 3, 4, W/2E/2, W/2 (All) Pullips Petroleum Company 14,850000 67,650000 14,850000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 57,650000 58,0000000 58,000000 58,000000 58,000000 58,0000000 58,000000	USA SF-078917	Township 29 North, Range 5 West	549.16	Royalty:	12.500000	12.500000		
Phillips Petroleum Company		Sec. 25: Lots 1, 2, 3, ,4, W/2E/2, W/2 (All)		Working Interest:				
Remarks: San Juan 29-5 #87 Williams Production Company 14.850000 14.850000 San Juan 29-5 #106 Tract 13 12.500000 100.000000 100.000000 100.000000 100.000000 100.0000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.000000 100.0000000 100.0000000 100.00000000 100.000000 100.000000 100.0000000000				Phillips Petroleum Company	67.650000	67.650000		
San Juan 29-5 #100 Overriding Royalty Interest 5,00000 5,00000 5,00000 San Juan 29-5 #106 Tract 13 100,000000 100,000000 100,000000 100,000000 320,00 Royalty: 12,500000 12,500000 12,500000 280,00 Royalty: 100,00000 100,00000 100,00000 280,00 Royalty: 100,00000 12,50000 12,50000 Sec. 23: SE/2, E/ZNE/4, SW/4NE/4 Benson-Monthir-Greer 42,250000 12,50000 12,50000 Remarks: San Juan 29-5 #94 Benson-Monthir-Greer 42,250000 3,00000 100,00000 Township 29 North, Range 5 West Overriding Royalty Interest 3,00000 3,00000 Remarks: San Juan 29-5 #94 Royalty: 100,00000 100,00000 Working Interest: 100,00000 100,00000 Working Interest: 100,00000 100,00000 Working Interest: 100,00000 100,00000 Working Interest: 100,00000 10	Remarks:			Williams Production Company	14.850000	14.850000		
San Juan 29-5 #106 Tract 13 Township 29 North, Range 5 West San Juan 29-5 #93 320.00 Royalty: Tract 13-4 12.500000 12.5000		San Juan 29-5 #100		Overriding Royalty Interest	5.000000	5.000000		
Township 29 North, Range 5 West Sec. 23: W/2 Working Interest: Burlington Resources Oil & Gas 3,00000 3,000000 10,0000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,0000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000 10,0000000000		San Juan 29-5 #106			100.000000	100.000000		
Township 29 North, Range 5 West 320.00 Royalty: 12.500000				Tract 13			8,705564	
Remarks: San Juan 29-5 #93 Burlington Resources Oil & Gas 3.00000 3.	USA SF-079033	Township 29 North, Range 5 West Sec. 23: W/2	320.00	Royalty: Working Interest:	12.500000	12.500000		
Remarks: San Juan 29-5 #93 Overriding Royalty Interest 3,000000 3,000000 Township 29 North, Range 5 West Sec. 23: SE/2, E/2NE/4, SW/4NE/4 280.00 Royalty: 12,500000 12,500000 Remarks: San Juan 29-5 #94 280.00 Royalty: Hoyd Oil Company 42,250000 3,000000 Remarks: San Juan 29-5 #94 Voerriding Royalty Interest 3,000000 3,000000 3,00000 Township 29 North, Range 5 West Sec. 22: S/2SE/4 80.00 Royalty: Tract 16 10,00000 10,00000 10,00000 Sec. 22: S/2SE/4 80.00 Royalty: 67,650000 67,650000 67,650000 Williams Production Company 14,850000 14,850000 5,000000 5,000000				Burlington Resources Oil & Gas	84.500000	84.500000		
Temarks: San Juan 29-5 #93 Tract 13-A Tract 13-A Tract 13-A 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 42.250000 42.250000 3.000000 3.000000 3.000000 3.000000 3.000000 3.000000 3.000000 100.000000 100.000000 100.000000 100.000000 100.00000 100.00000 100.00000 3.000000 <th co<="" td=""><td></td><td></td><td></td><td>Overriding Royalty Interest</td><td>3.000000</td><td>3.000000</td><td></td></th>	<td></td> <td></td> <td></td> <td>Overriding Royalty Interest</td> <td>3.000000</td> <td>3.000000</td> <td></td>				Overriding Royalty Interest	3.000000	3.000000	
Township 29 North, Range 5 West Sec. 23: SE/2, E/2NE/4, SW/4NE/4 280.00 Royalty: 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 3.000000 3.000000 3.000000 3.000000 100.000000 100.000000 100.000000 100.000000 12.500000 12.500000 12.500000 12.500000 12.500000 12.500000 14.850000 14.850000 14.850000 14.850000 5.000000 Overriding Royalty Interest 5.000000	Remarks				100.000000	100.000000		
Township 29 North, Range 5 West Sec. 23: SE/2, E/2NE/4, SW/4NE/4 280.00 Royalty: 12.50000 12.50000 12.50000 Remarks: San Juan 29-5 #94 Doverriding Royalty Interest 42.250000 3.00000 3.00000 Township 29 North, Range 5 West Sec. 22: S/2SE/4 80.00 Royalty: Tract 16 12.50000 12.50000 Working Interest: For Objection Company 67.650000 67.650000 5.00000 Working Royalty Interest 5.00000 5.000000 5.000000				Tract 13-A			7.617369	
Remarks: San Juan 29-5 #94 Sec. 22: S/2SE/4 S	USA SF-079033	Township 29 North, Range 5 West	280.00	Royalty:	12.500000	12.500000		
Floyd Oil Company 42.250000 Remarks: San Juan 29-5 #94 Overriding Royalty Interest 3.000000 3.000000 3.000000 Tract 16 Tract 16 Tract 16 Vorking Interest: Phillips Petroleum Company 12.50000 12.50000 12.50000 Williams Production Company 67.650000 67.650000 14.850000 5.00000 Overriding Royalty Interest 5.00000 5.000000 5.000000				Benson-Montin-Greer	42.250000	84.500000		
Coverriding Royalty Interest 3.00000 3.00000 Remarks: San Juan 29-5 #94 Overriding Royalty Interest 3.00000 100.00000 100.00000 Tract 16 Tract 16 12.500000 12.500000 12.500000 Sec. 22: S/2SE/4 Working Interest: Phillips Petroleum Company 67.650000 67.650000 Williams Production Company 14.850000 14.850000 5.000000				Floyd Oil Company	42.250000			
Tract 16 Township 29 North, Range 5 West 80.00 Royalty: 12.500000 12.500000 Sec. 22: S/2SE/4 Phillips Petroleum Company 67.650000 67.650000 Williams Production Company 14.850000 14.850000 Overriding Royalty Interest 5.000000 5.000000				Overriding Royalty Interest	3.000000	3.000000		
Tract 16 Township 29 North, Range 5 West 80.00 Royalty: 12.500000 12.500000 Sec. 22: S/2SE/4 Working Interest: 67.650000 67.650000 Williams Production Company 14.850000 14.850000 Overriding Royalty Interest 5.000000 5.000000	Remarks				100.000000	100.000000		
Township 29 North, Range 5 West80.00Royalty:12.500000Sec. 22: S/2SE/4Working Interest:67.650000Phillips Petroleum Company67.650000Williams Production Company14.850000Overriding Royalty Interest5.000000				Tract 16			2.176391	
Working Interest: Phillips Petroleum Company 67.650000 Williams Production Company 14.850000 Overriding Royalty Interest 5.000000	USA SF-079944	Township 29 North, Range 5 West	80.00	Royalty:	12.500000	12.500000		
y 67.650000 any 14.850000 5.000000		Sec. 22: S/2SE/4		Working Interest:				
any 14.850000 1 5.000000				Phillips Petroleum Company	67.650000	67.650000		
5.000000				Williams Production Company	14.850000	14.850000		
				Overriding Royalty Interest	5.000000	5.000000		

NINTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION SCHEDULE X

	100.000000	100.000000			San Juan 29-5 #49A	Remarks:
	5.000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 9: NE/4, NW/4	
	12.500000	12.500000	Royalty:	320.00	Township 29 North, Range 5 West	USA SF-080179
8.705564			Tract 18			
	100.000000	100.000000			: San Juan 29-5 #45	Remarks:
	5.000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 22: N/2NE/4, SE/4NE/4	
	12.500000	12.500000	Royalty:	120.00	Township 29 North, Range 5 West	USA SF-080069
3.264587			Tract 17-C			
	100.000000	100.000000			San Juan 29-5 #49A	Remarks:
	5.000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company		Sec. 15: SE/4	
			Working Interest:		Sec. 9: SW/4	
	12.500000	12.500000	Royalty:	320.00	Township 29 North, Range 5 West	USA SF-080069
8.705564			Tract 17			
	100.000000	100.000000	We have a second and a second a		San Juan 29-5 #45	Remarks:
PARTICIPATION	COMMITTED	PERCENTAGE	OWNERSHIP	OF ACRES	DESCRIPTION	SERIAL NUMBER
DECENT ACTUAL	DED CENTER OF	CK	DRILLING BLOCK	NUMBER		
			SAN JUAN 29-5 UNIT	SAN		

	100 00000	100 00000				.
	5.000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 2: Lots 3, 4	
	12.500000	12.500000	Royalty:	84.17	Township 29 North, Range 5 West	NM E-289-39
2.289835			Tract 22-E			
	100.000000	100.000000			San Juan 29-5 #107	Remarks:
	5,000000	5.000000	Overriding Royalty Interest			
	14.850000	14.850000	Williams Production Company			
	67.650000	67.650000	Phillips Petroleum Company			
			Working Interest:		Sec. 2: S/2NW/4, SW/4,	
	12.500000	12.500000	Royalty:	240.00	Township 29 North, Range 5 West	NM E-289-42
6.529173			Tract 22-B			
	100.000000	100.000000			: San Juan 29-5 #47A	Remarks:
	4.000000	4.000000	Overriding Royalty Interest			
	15.030000	15.030000	Williams Production Company			
	68.470000	68.470000	Phillips Petroleum Company		SE/4SW/4	
			Working Interest:		Sec. 4: Lots 3, 4, S/2NW/4, W/2S/4,	
	12.500000	12.500000	Royalty:	281.60	Township 29 North, Range 5 West	USA SF-081114
7.660897			Tract 20			
PARTICIPATION		PERCENTAGE	OWNERSHIP	ACRES	DESCRIPTION	SERIAL NUMBER
PRESENT ACTUAL	PERCENTAGE	CK	DRILLING BLOCK	NUMBER		
			SAN JUAN 29-5 UNIT	SAN		

Remarks: San Juan 29-5 #107

100.000000

100.000000

Remarks: San Juan 29-5 #45			less	Sec. 22: N/28	Fee Township 29 1		Remarks: San Juan 29-5 #45				Sec. 22: 1 ac	Fee Township 29 1		SERIAL NUMBER	
5 #45			less 1 acre in the NW/4SE/4	Sec. 22: N/2SE/4, SW/4NE/4	Township 29 North, Range 5 West		5 #45				Sec. 22: 1 acre out of the NW/4SE/4	Township 29 North, Range 5 West		DESCRIPTION	
					119.00							1.00		OF ACRES	NUMBER
	Overriding Royalty Interest	Williams Production Company	Phillips Petroleum Company	Working Interest:	Royalty:	Tract 38-C		Overriding Royalty Interest	Williams Production Company	Phillips Petroleum Company	Working Interest:	Royalty:	Tract 38-A	OWNERSHIP	DRILLING BLOCK
100.000000	0.000000	15.750000	71.750000		12.500000		100.000000	0.000000	15.750000	71.750000		12.500000		PERCENTAGE	CK
100.000000	0.000000	15.750000	71.750000		12.500000		100.000000	0.000000	15.750000	71.750000		12.500000		COMMITTED	
	• -	_	-		-	3.237382		•					0.027205	PRESENT ACTUAL PARTICIPATION	

Effective January 1, 2002 Total Ac

Total Acres 3675.81

SCHEDULE X NINTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION SAN JUAN 29-5 UNIT

RECAPITULATION

TOWNSHIP	29 NORTH, RAN	IGE 5 WEST

SECTION 2: W/2 SECTION 4: Lots 3, 4, S/2NW/4, W/2SW/4, SE/4SW/4 SECTION 6: All SECTION 9: All SECTION 10: NE/4 SECTION 15: SE/4 SECTION 22: E/2SECTION 23: W/2, SE/4, S/2NE/4, NE/4NE/4 SECTION 25: All

Total Acres in Participating Area: 3675.81
Total Acres Committed to Participating Area: 3675.81

TOWNSHIP 29 NORTH, RANGE 5 WEST

* 78* 6	** 5	# 103	3	* 107 pc/mv 2	1
7	8	49# 102	104* pc/mv	11	12
18	17	16	15 97*	14	13
19	20	21 - IOO	45** po/mv	23 94*	24
30	29	28	27	26	25 [*] 100 pc/mv
31	32	33	34 Jnit boundary	35	36

* Producing Well

* Abandoned Well

pc/mv Pictured Cliffs/Mesaverde Commingled Well



8th EXPANSION - PICTUREDCLIFFS
PARTICIPATING AREA - Effective 4-1-00

9th EXPANSION - PICTURED CLIFFS
PARTICIPATING AREA - Effective 1-1-02

PHILLIPS PETROLEUM CO.

SAN JUAN 29-5 UNIT

Rio Arriba County, New Mexico

May 2, 2002



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington Field Office 1235 La Plata Highway, Suite A Farmington, New Mexico 87401

N REPLY REFER TO: San Juan 29-5 Unit (Pictured Cliffs PA) 3162.7 (07100)

August 21, 2002

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

RE: San Juan 29-5 Unit

Commerciality Determinations
Pictured Cliffs Formation
Rio Arriba County, New Mexico

Dear Mr. Fraker:

In response to your letter dated July 2, 2002, the Farmington Field Office (FFO) has reviewed the data you submitted for a commerciality determination for the following wells completed in the Pictured Cliffs formation.

Well Name & Number	Dedication	Lease	Completion Date	Determination
San Juan 29-5 Unit #45	E/2 Sec.22,T29N,R5W	NMSF080069	3/6/00	Commercial
San Juan 29-5 Unit #49A	W/2 Sec.9,T29N,R5W	NMSF080179	12/14/01	Commercial

After completing our economic evaluations, we are in concurrence with the above determinations.

The wells were determined to be commercial in the Pictured Cliffs formation and are to be included in the Pictured Cliffs participating area. It is required that revisions be submitted to include these wells in the San Juan 29-5 Unit Pictured Cliffs Participating Area.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) 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 contact Wayne Townsend at the above address or telephone (505) 599-6359.

Sincerely

Washe Townsend Petroleum Engineer

Petroleum Management Team

AUG 2 2 2002

FA WANGTON AREA



July 2, 2002

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

Commissioner of Public Lands State of New Mexico Attn: Mr. Ray Powell PO Box 1148 Santa Fe. NM 87504-1148

Oil Conservation Division State of New Mexico Attn: Ms. Lori Wrotenberry 1220 S. Saint Francis Dr. Santa Fe, NM 87505-4000

RE: SAN JUAN 29-5 UNIT
#14-08-001-437
COMMERCIALITY DETERMINATION
SAN JUAN 29-5 UNIT #45
E/2 SECTION 22, T29N, R5W
SAN JUAN 29-5 UNIT #49A
W/2 SECTION 9, T29N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
C40452, 650108, 650505, 650563

Gentlemen:

Pursuant to the provisions of Section 11(a) of he San Juan 29-5 Unit Agreement, #14-08-001-437, Phillips Petroleum Company (Phillips) has determined that the San Juan 29-5 Unit #45 and 49A wells are capable of producing unitized substances in paying quantities from the Pictured Cliffs formation. Phillips requests confirmation of these paying well determinations. A summary of production and economic data is enclosed for these wells.

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

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

Respectfully yours,

Skip Fraker San Juan Area – Land Department (505)599-3428

SAN JUAN 29-5 UNIT PICTURED CLIFFS PARTICIPATING AREA OWNERS & PICTURED CLIFFS DRILL BLOCK OWNERS

PHILLIPS PETROLEUM COMPANY WILLIAMS PRODUCTION COMPANY

Phillips Petroleum Company

Commerciality Determination

San Juan 29-5 Unit #45
Pictured Cliffs
NE/4 Section 22, 29N-5W
Rio Arriba Co., NM

This well was completed in the Pictured Cliffs in February 2000 by Phillips Petroleum Company.

Actual costs for this well were used in this determination.

Average operating expenses for year 2000 & 2001 for the SJ 29-5 Unit #45 Pictured Cliffs was used in this determination.

Year 2001 gas price for the SJ 29-5 Unit #45 Pictured Cliffs, with transportation costs removed was used in this determination.

Recommend that this well be determined commercial.

Actual Production

Month	Production
Mar-00	2,212 MCF
Apr-00	3,510 MCF
May-00	1,754 MCF
Jun-00	918 MCF
Jul-00	765 MCF
Aug-00	1,213 MCF
Sep-00	1,400 MCF
Oct-00	1,206 MCF
Nov-00	1,135 MCF
Dec-00	1,202 MCF
Jan-01	1,171 MCF
Feb-01	918 MCF
Mar-01	1,283 MCF
Apr-01	3,019 MCF
May-01	3,653 MCF
Jun-01	3,161 MCF
Jul-01	3,654 MCF
Aug-01	3,024 MCF
Sep-01	3,191 MCF
Oct-01	3,184 MCF
Nov-01	3,083 MCF
Dec-01	2,292 MCF
Jan-02	3,260 MCF
Feb-02	3,072 MCF

Phillips Petroleum Company

Commerciality Determination

San Juan 29-5 Unit #45 Pictured Cliffs NE/4 Section 22, 29N-5W Rio Arriba Co., NM

Date of First Delivery:	03/24/00
Total Well Costs:	<u>\$277,570</u>
2001 Avg. Gas Price (\$/mcf):	<u>\$3.03</u>
BLM Royalty:	12.5%
Production Taxes:	<u>9.14%</u>

Estimated Gross Annual Production and Operating Expenses

Period	Year	Gas MCF	Operating Expense, \$
Terrod	1 cur	Wici	Expense, ϕ
1	2000	15,315	6,400
2	2001	31,633	7,680
3	2002	28,810	7,680
4	2003	25,020	7,680
5	2004	21,910	7,680
6	2005	19,470	7,680
7	2006	17,460	7,680
8	2007	15,820	7,680
9	2008	14,380	7,680
10	2009	13,180	7,680
11	2010	12,140	7,680
12	2011	11,280	7,680
13	2012	10,460	7,680
14	2013	9,740	7,680
15	2014	9,120	7,680
16	2015	8,610	7,680
17	2016	8,080	7,680
18	2017	7,630	7,680
19	2018	7,220	7,680
20	2019	6,880	7,680
Remaining		53,700	
	Total	247.050	

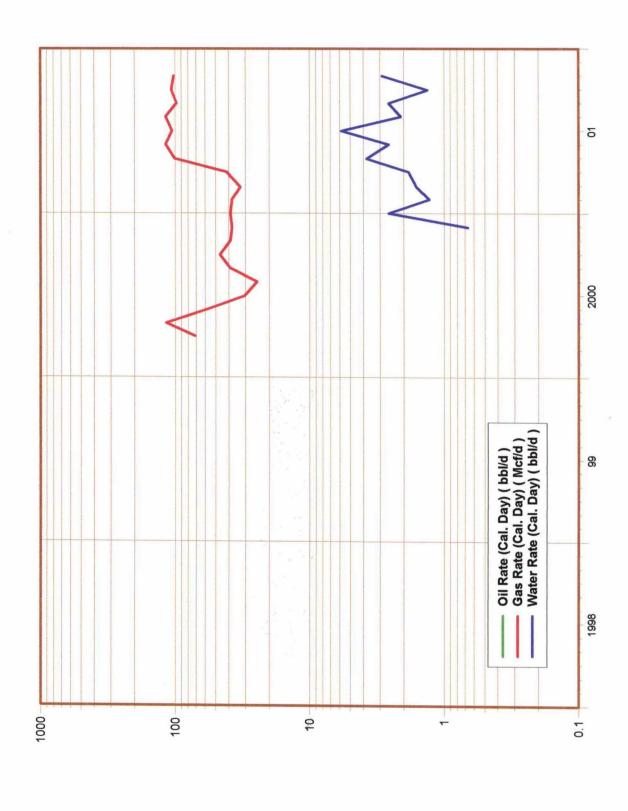
Total <u>347,858</u>

30039075960000(2) SAN JUAN 29 5 UNIT - 45

API - 30039075960000

GOBERNADOR - PICTURED CLIFFS
PHILLIPS PETROLEUM COMPANY

Cum. Gas Production: 41.6 MMcf Cum. Oil Production: 0.0 Mbbl



COMMISSIONER'S OFFICE Phone (505) 827-5760 Fax (505) 827-5766

ADMINISTRATION Phone (505) 827-5700 Fax (505) 827-5853

GENERAL COUNSEL Phone (505) 827-5713 Fax (505) 827-4262

PUBLIC AFFAIRS Phone (505) 827-1245 Fax (505) 827-5766

New Mexico State Land Office Commissioner of Public Lands Ray Powell, M.S., D.V.M.

COMMERCIAL RESOURCES Phone (505) 827-5724 Fax (505) 827-6157

MINERAL RESOURCES Phone (505) 827-5744 Fax (505) 827-4739

ROYALTY MANAGEMENT Phone (505) 827-5772 Fax (505) 827-4739

SURFACE RESOURCES Phone (505) 827-5793 Fax (505) 827-5711

May 21, 2002

Phillips Petroleum Company 5525 Hwy 64, NBU 3004 Farmington, NM 87401

Attention: Mr. Skip Fraker

Re:

San Juan 29-5 Unit Well No. 72M Non-Commercial Determination

Dakota Formation

Rio Arriba County; New Mexico

Dear Mr. Fraker:

We are in receipt of your letter of March 7, 2002 and a copy of the Bureau of Land Management's letter of April 23, 2002 regarding the non-commercial determination for the San Juan 29-5 Unit Well No. 72M, located in the N/2 of Section 17, Township 29 North, Range 5 West.

We concur with the Bureau of Land Management's determination that the San Juan 29-5 Unit Well No. 72M is a non-commercial well in the Dakota Formation and the production from this well should be produced on a lease basis.

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

Very truly yours,

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

BY: Withon The Mance

Oil, Gas and Minerals Division

(505) 827-5744

RP/JB/pm

pc:

Reader File,

BLM-Farmington Attn: Mr. Wayne Townsend

OCD-Santa Fe Attn: Mr. Roy Johnson TRD-Attn: Mr. Valdean Severson RMD-Attn: Mr. Kurt McFall March 7, 2002

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

Commissioner of Public Lands State of New Mexico Attn: Mr. Ray Powell PO Box 1148 Santa Fe, NM 87504-1148

Oil Conservation Division
State of New Mexico
Attn: Ms. Lori Wrotenberry
1220 S. Saint Francis Drive
Santa Fe, NM 87505-4000

RE: SAN JUAN 29-5 UNIT

#14-08-001-437

COMMERCIALITY DETERMINATION

SAN JUAN 29-5 UNIT #72M

RIO ARRIBA COUNTY, NEW MEXICO

C40452

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 29-5 Unit Agreement, #14-08-001-437, Phillips Petroleum Company (Phillips) has determined that the San Juan 29-5 Unit #72M well is capable of producing unitized substances in paying quantities from the Dakota formation. Phillips requests confirmation of this paying well determination. A summary of production and economic data is enclosed for the wells.

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

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

Respectfully yours,

Sho In

Skip Fraker

San Juan Area-Land Dept.

(505) 599-3428

CC: Ben Foster

SAN JUAN 29-5 UNIT DAKOTA OWNERS

PHILLIPS PETROLEUM COMPANY

BOLACK MINERALS COMPANY

BP-AMOCO

BURLINGTON RESOURCES OIL & GAS, INC

CHARLES GAY

LORRAYN GAY

MAYDELL MILLER MAST TRUST

CARL McELVAIN ESTATE

JAMES RAYMOND

TH McELVAIN OIL & GAS LIMITED PARTNERSHIP

VAUGHAN-McELVAIN ENERGY INC

WISER OIL COMPANY

Phillips Petroleum Company

Commerciality Determination

San Juan 29-5 Unit #72M Dakota NW/4 Section 17, 29N-5W Rio Arriba Co., NM

This well was drilled in January 2001 and completed in the Dakota in February 2001 by Phillips.

Actual well costs for this well were used in this determination.

Average 2001 operating expenses for the SJ 29-5 Unit Dakota PA wells were used in this determination.

The gas price is an average for 2001 for the 29-5 Unit Dakota PA wells, with transportation costs removed.

Recommend that this well be determined commercial.

Actual Production

Month	Production
Mar-01	4,369 MCF
Apr-01	2,123 MCF
May-01	1,938 MCF
Jun-01	1,521 MCF
Jul-01	1,395 MCF
Aug-01	1,272 MCF
Sep-01	1,226 MCF
Oct-01	1,281 MCF
Nov-01	1,168 MCF
Dec-01	1,175 MCF

Phillips Petroleum Company

Commerciality Determination

San Juan 29-5 Unit #72M Dakota NW/4 Section 17, 29N-5W Rio Arriba Co., NM

Date of First Delivery:	03/02/01
Total Well Costs:	<u>\$359,483</u>
2001 Avg. Gas Price (\$/mcf):	<u>\$3.56</u>
BLM Royalty:	<u>12.5%</u>
Production Taxes:	<u>9.14%</u>

Estimated Gross Annual Production and Operating Expenses

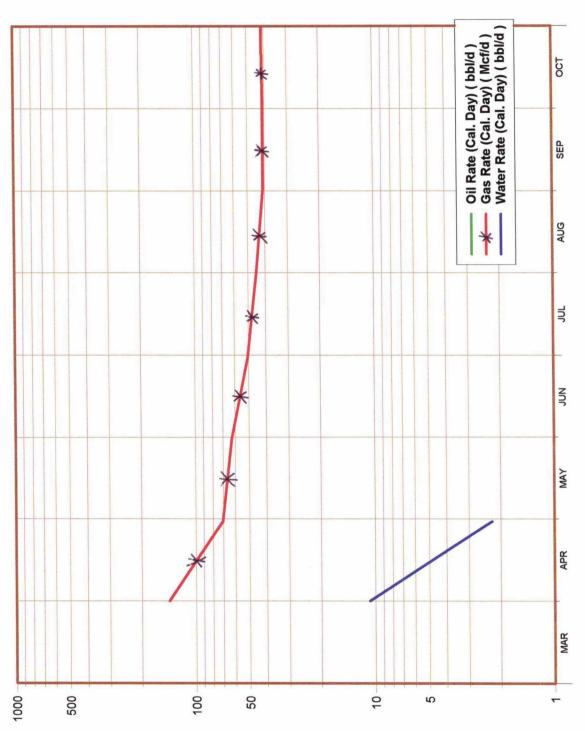
Period	Year	Gas MCF	Operating Expense, \$
1	2001	17,468 (actual)	4,000
	2002	14,530	4,800
	2003	13,980	4,800
4	2004	13,520	4,800
	2005	13,000	4,800
6	2006	12,530	4,800
7	2007	12,110	4,800
8	2008	11,750	4,800
9	2009	11,340	4,800
10	2010	10,980	4,800
11	2011	10,660	4,800
12	2012	10,360	4,800
13	2013	10,030	4,800
14	2014	9,750	4,800
15	2015	9,450	4,800
16	2016	9,230	4,800
17	2017	8,950	4,800
18	2018	8,720	4,800
19	2019	8,490	4,800
20	2020	8,290	4,800
Remaining		155,862	
	T 4 1	201.000	

Total <u>381,000</u>

SAN JUAN 29 5 UNIT - 72M

API - 30039265410000

Cum. Gas Production: 15.1 MMcf Cum. Oil Production: 0.0 Mbbl



DESCRIPTION: SJ 29-5 UNIT #7. CASE REVENUE INT: 87.500%					
CASE LIFE -FIRST MO-YR : 1-2	001	PROD	MO-YR : 3-2001	LAST YEAR	2038
MEASURES OF MERIT			NET CASH FLOW S CAPITAL OUTLAY	UMMARY(M\$)	
AARR (%)	:	8.1	CAPITAL OUTLAY	:	359.5
BREAKEVEN POINT (YRS.)	:	10.8	TOTAL REVENUE	:	1186.9
PAYOUT (YRS.)	:	10.6	TOTAL EXPENSES	:	290.1
NTER	:	2.5	IBRT	:	896.8
ECONOMIC LIFE (YRS.)	:	37.8	CURRENT INCOME	TAX :	
RESERVES SUMMARY			SALVAGE	:	
OIL-GROSS MBBLS :			CASH RETURNED	:	896.8
NET MBBLS :				:	537.3
NET REVENUE(M\$) :			NET PRESENT VA	LUE (M\$)	P.I.
BBL/DAY TO PAYOUT:			@ 13.0 %:	-101.7	.72
GAS_GROSS MMCF :		381.0	@ 10.0 %:	-48.8	.86
NET MMCF :		333.4	@ 15.0 %:	-127.6	.65
NET REVENUE(M\$) :		1186.9	@ 20.0 %:	-172.8	.52
MCF/DAY TO PAYOUT:		37.3			
PRESS "ENTER" TO CONTINUE.	• •			GOWEE_CASE	_SUM

CASE: 65057207672D ** ECONOMICS CASE SUMMARY **

65057207672D	**	OIL & GAS WELL	*:
	**	ECONOMIC EVALUATION	* ;

I. CASE LENGTH

(MM)	(YYYY)					
START MONTH AND YEAR OF CASE : 1 :	: 2001 :					
START MONTH AND YEAR OF PRODUCTION : 3 :	: 2001 :					
LAST YEAR OF THE CASE	: 2038 :					
(KEEP YEAR SPREAD WITHIN 38 YEARS)	•					
BASE YEAR FOR MONETARY INPUT	: 2001 :					
**(IF OTHER THAN CURRENT YEAR) **						
ENTER AN "X" IF YOU WISH THE ECONOMIC LIMIT						
TO BE DETERMINED FOR THIS CASE.	: :					
II. CASE STRUCTURE						
DO YOU WANT THE PERFORMANCE STATEMENT? (Y/N	1) : Y :					
DO YOU WANT THE FINANCIAL EVALUATION? (Y/N	1) : Y :					

KEY IN DATA AND PRESS "ENTER" TO CONTINUE...

GOWEE_LENGTH_US

65057207672D ** OIL & GAS WELL **

** ECONOMIC EVALUATION **

MISCELLANEOUS RATES

1. WORKING INTEREST (%) => : 100.0000% : 2. EITHER CASE REVENUE INTEREST (%) => : 87.5000% : OIL REVENUE (%) (IF DIFFERENT THAN => : 87.5000% : GAS REVENUE (%) CASE REVENUE INTEREST) =>: 87.5000%: OR ROYALTY RATE (%) => : 3. INCOME TAX RATE (%) => : 4. PRESENT WORTH RATES(%) : 13.00 : 10.00 : 15.00 : 20.00 5. NUMBER OF YEARS TO CARRY TAX LOSS BACK => : 6. NUMBER OF YEARS TO CARRY TAX LOSS FORWARD => : 20 : 7. ARE THERE OTHER OWNERSHIP/ROYALTY POSITIONS? (Y,N) => : N :8. LEASE TYPE (1-ONSHORE OIL, 2-ONSHORE GAS, => : 2 : 3-OFFSHORE OIL, 4-OFFSHORE GAS)

TO USE VARIABLE RATES FOR ANY OF ITEMS 1-3, ENTER THE BASE RATE DESIRED AND ENTER "X" HERE => : X :

PRESS "ENTER" TO CONTINUE...

GOWEE MISC RATE

65057207672D ** OIL & GAS WELL **

** ECONOMIC EVALUATION **

MONETARY UNITS: U.S. DOLLARS

INVESTMENT NAME: TANGIBLE EQUIPMENT

							INVESTMENT
YEAR	GROSS	INVESTMENT	DEPR.	YEAR OF	SAL. VAL.	SALVAGE	TAX
	(M	UNITS)	LIFE-	SALVAGE	(M UNITS)	IND.	CREDIT %
2001		73.50	7YRS				
2001							
2002							
2003							
2004							
2005							
2006							
2007							
2008							
2009							

KEY IN AMOUNTS AND PRESS "ENTER" TO CONTINUE...

GOWEE INVESTMENT

	*	* ECONOMIC EV	/ALUATION **		
	MONETARY UNITS:	U. S. DOLLAF	RS		
	INVESTMENT NAME:	INTANGIBLE I	DEV COSTS		
		ADDITIONS TO			
	PROVED DEV.				
YEAR	GROSS INVESTMENT	RESERVES	DEPR.		
		(GROSS MBBL)			
2001	285.98	(CICCE TIBBE)	5YRS		
2001	200.50		3110		
2002					
2003					
2004					
2005					
2006					
2007					
2008					

65057207672D ** OIL & GAS WELL **

KEY IN AMOUNTS AND PRESS "ENTER" TO CONTINUE...

2009

GOWEE_INVEST_IDC

65057207672D ** OIL & GAS WELL ** REVENUE: ** ECONOMIC EVALUATION ** GAS MONETARY UNITS : U. S. DOLLARS SELECT PRODUCTION INPUT METHOD: 2: 1. INITIAL PRODUCTION RATE (M UNITS/YEAR) : WITH DECLINE RATE OF: %: AND EXPONENT OF: : AFTER PRODUCING: : % OF: : RESERVES (MMCF) 2. INPUT PRODUCTION FOR EACH YEAR 3. RATES FROM DECLINE CURVES CASE FILE 4. P7051 CASE 5. P7151 CASE 6. P3240 CASE 7. RATES FROM E8151 CASE FILE SELECT PRICE INPUT METHOD: 1: 1. INITIAL PRICE IN (\$/MCF) OF ...: 3.56: 2. INPUT PRICE FOR EACH YEAR. 3. PHILLIPS CORPORATE GUIDELINE PRICE PROJECTIONS. SELECT PRICE ESCALATION METHOD .. : 4 :

1. CONSTANT ESCALATION RATE OF: %:

2. INPUT ESCALATION RATE FOR EACH YEAR.3. PHILLIPS CORPORATE ECONOMIC GUIDELINES.

4. NO ESCALATION SHOULD BE APPLIED.

GOWEE_REV_RATE

MONETARY UNITS: U.S. DOLLARS

EXPENSE NAME : OPERATING EXPENSES

HOW RATE IS TO BE APPLIED? : 5:

1. COST / UNIT OF PROD. (\$/UNIT) 4. COST / WELL (M\$) FOR: WELLS:
2. PERCENTAGE OF REVENUE (%) 5. COST / YEAR (M\$)

3. PERCENT OF TOTAL INVESTMENT (%)

SELECT TYPE OF EXPENSE RATE INPUT : 1:

1. CONSTANT RATE OF : 4.800:

2. INPUT RATE FOR EACH YEAR

SELECT ESCALATION METHOD DESIRED : 4:

용 : 1. CONSTANT ESCALATION RATE OF :

2. INPUT ESCALATION RATE FOR EACH YEAR

3. PHILLIPS CORPORATE ECONOMIC GUIDELINES

4. NO ESCALATION SHOULD BE APPLIED.

KEY IN DATA AND PRESS "ENTER" TO CONTINUE... GOWEE EXP OPTION

CASE: 65057207672D ** ECONOMICS CASE SUMMARY **					
DESCRIPTION: SJ 29-5 UNIT	#72M DK	COMM.	ECONOMICS	WORKING INT :	100000%
CASE REVENUE INT : 87.500	% OIL	REV I	NT: 87.500%	GAS REV INT :	87.500%
CASE LIFE -FIRST MO-YR : 1	2001	PROD	MO-YR : 3-2001	LAST YEAR	: 2038
MEASURES OF MERIT			NET CASH FLOW S	UMMARY(M\$)	
AARR (%)	:	8.1	CAPITAL OUTLAY	:	359.5
BREAKEVEN POINT (YRS.)	•	10.8	TOTAL REVENUE	:	1186.8
PAYOUT (YRS.)	;	10.6	TOTAL EXPENSES	:	290.1
NTER	:	2.5	IBRT	:	896.7
ECONOMIC LIFE (YRS.)	•	37.8	CURRENT INCOME	TAX :	
RESERVES SUMMARY			SALVAGE	:	
			CASH RETURNED	:	896.7
				:	
NET REVENUE (M\$) :			NET PRESENT VA	LUE (M\$)	P.I.
BBL/DAY TO PAYOUT:			@ 13.0 %:	-101.7	.72
GAS GROSS MMCF :		381.0	@ 10.0 %:	-48.8	.86
NET MMCF :		333.4	@ 15.0 %:	-127.6	.65
NET REVENUE (M\$) :		1186.8	@ 20.0 %:	-172.8	.52
MCF/DAY TO PAYOUT:		37.3			

GOWEE_CASE_SUM

PRESS "ENTER" TO CONTINUE...

State of New Mexico Commissioner of Jublic Lands

RAY POWELL, M.S., D.V.M. COMMISSIONER

310 OLD SANTA FE TRAIL P.O. BOX 1148

SANTA FE, NEW MEXICO 87504-1148

(505) 827-5760 FAX (505) 827-5766

March 21, 1995

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

Attn: Mr. Patrick A. Noah

Re: San Juan 29-5 Unit

Fruitland Participating Area Initial thru Fifth Expansions 2,243.72 Additional Acres

Dear Mr. Noah:

This office is in receipt of your letter of November 4, 1994 requesting approval of the Initial thru Fifth Expansions of the Fruitland Participating Area for the San Juan 29-5 Unit, Rio Arriba County, New Mexico.

The Bureau of Land Management has advised this office of their approval to these expansions by their letter of February 27, 1995.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management and has this date approved the expansion of the above mentioned participating areas effective as follows:

The Initial Expansion containing 320.66 acres is effective January 29, 1990.

The First Expansion containing 320.00 acres is effective April 1, 1990.

The Second Expansion containing 320.00 acres is effective February 1, 1992.

The Third Expansion containing 640.22 acres is effective October 1, 1992

The Fourth Expansion containing 321.60 acres is effective November 1, 1992.

The Fifth Expansion containing 321.24 acres is effective January 1, 1993.

Phillips Petroleum Company San Juan 29-5 Unit Fruitland PA Expansions March 21, 1995 Page 2

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

Very truly yours,

RAY POWELL, M.S., D.V.M.

COMMISSIONER OF PUBLIC LANDS

JAMES B. LEWIS, Director

Oil/Gas and Minerals Division

(505) 827-5744 RP/JBL/pm

cc:

Reader File

BLM-Farmington Attn: Mr. Duane Spencer OCD-Santa Fe Attn: Mr. Roy Johnson

TRD-Santa Fe Attn: Mr. Valdean Severson

November 15, 1994

United States Department of Interior Bureau of Land Management Farmington Resource Area 1235 La Plata Highway Farmington, New Mexico 87401

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

State of New Mexico
Oil Conservation Division
Attn: Mr. William J. Lemay
State Land Office Building
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Re: SAN JUAN 29-5 UNIT

#14-08-001-437

FRUITLAND PARTICIPATING AREA APPLICATION
INITIAL EXPANSION - EFFECTIVE 01/29/90
FIRST EXPANSION - EFFECTIVE 04/01/90
SECOND EXPANSION - EFFECTIVE 02/01/92
THIRD EXPANSION - EFFECTIVE 10/01/92
FOURTH EXPANSION - EFFECTIVE 11/01/92
FIFTH EXPANSION - EFFECTIVE 01/01/93

Gentlemen:

Further to the application for the San Juan 29-5 Unit Initial through Fifth Expansion of the Fruitland Formation, enclosed please find a map depicting the corresponding participating area and expansions for said Unit.

Very truly yours,

PHILEIPS PETROLEUM COMPANY

Kathryn D. Burleson Sr. Land Aide Farmington Area