

BURLINGTON RESOURCES

SAN JUAN DIVISION

552

February 21, 2003

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

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

**RE: 2003 Plan of Development
SAN JUAN 29-4 UNIT 14-08-001-1055
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 29-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
MESAVERDE	004	01-Aug-78
PICTURED CLIFFS	007	01-Oct-94

The 2002 Plan of Development (or amendments thereto) provided for no activity.

Pursuant to Section 10 of the SAN JUAN 29-4 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits no wells for the 2003 Plan of Development.

The following is a well listing for wells in SAN JUAN 29-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 29-4 UNIT 201	FRUITLAND COAL	E2 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT 201	PICTURED CLIFFS	E2 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	FRUITLAND COAL	W2 030-029N-004W	Shut-in	Commingle
SAN JUAN 29-4 UNIT NP 200	PICTURED CLIFFS	SW4 030-029N-004W	Active	Commingle
				Commingle 4 Count
SAN JUAN 29-4 UNIT 21	MESAVERDE	W2 005-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 21	PICTURED CLIFFS	W2 005-029N-004W	Active	Dual

San Juan 29-4 Unit
2003 Plan of Development
February 21, 2003

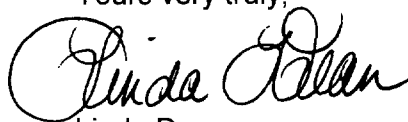
SAN JUAN 29-4 UNIT 24	GALLUP	NE4	008-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT NP 24	PICTURED CLIFFS	E2	008-029N-004W	Active	Dual
				Dual	4
				Count	
SAN JUAN 29-4 UNIT 1	MESAVERDE	W2	030-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 10	PICTURED CLIFFS	SW4	036-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 11	PICTURED CLIFFS	E2	006-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 12	MESAVERDE	E2	018-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 13	MESAVERDE	E2	029-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 14	MESAVERDE	E2	031-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 16	PICTURED CLIFFS	E2	036-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 18	MESAVERDE	E2	033-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 2	PICTURED CLIFFS	W2	035-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 22	PICTURED CLIFFS	E2	009-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 23	PICTURED CLIFFS	E2	015-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 3	PICTURED CLIFFS	W2	022-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 6	MESAVERDE	W2	010-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 7	PICTURED CLIFFS	W2	008-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 7	MESAVERDE	W2	008-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 8	MESAVERDE	E2	034-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 9	MESAVERDE	W2	003-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 2	FRUITLAND COAL	W2	035-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 4	PICTURED CLIFFS	E2	035-029N-004W	P&A	Single
				Single	19
				Count	
				Grand	27
				Count	

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,



Linda Dean
Land Advisor

San Juan 29-4 Unit
2003 Plan of Development
February 21, 2003

**SAN JUAN 29-4 UNIT
2003 PLAN OF DEVELOPMENT
APPROVALS**

Bureau of Land Management

Date



New Mexico Oil Conservation Division

3/5/03

Date

AO Wells-Active

- ▲ FRUITLAND COAL
- ✱ PICTURED CLIFFS
- ⊗ MESAVERDE
- ⊙ GALLUP

San Juan 29-4 Unit



BURLINGTON RESOURCES
PLAT

2000 0 2000 4000 Feet

BURLINGTON RESOURCES

San Juan Division

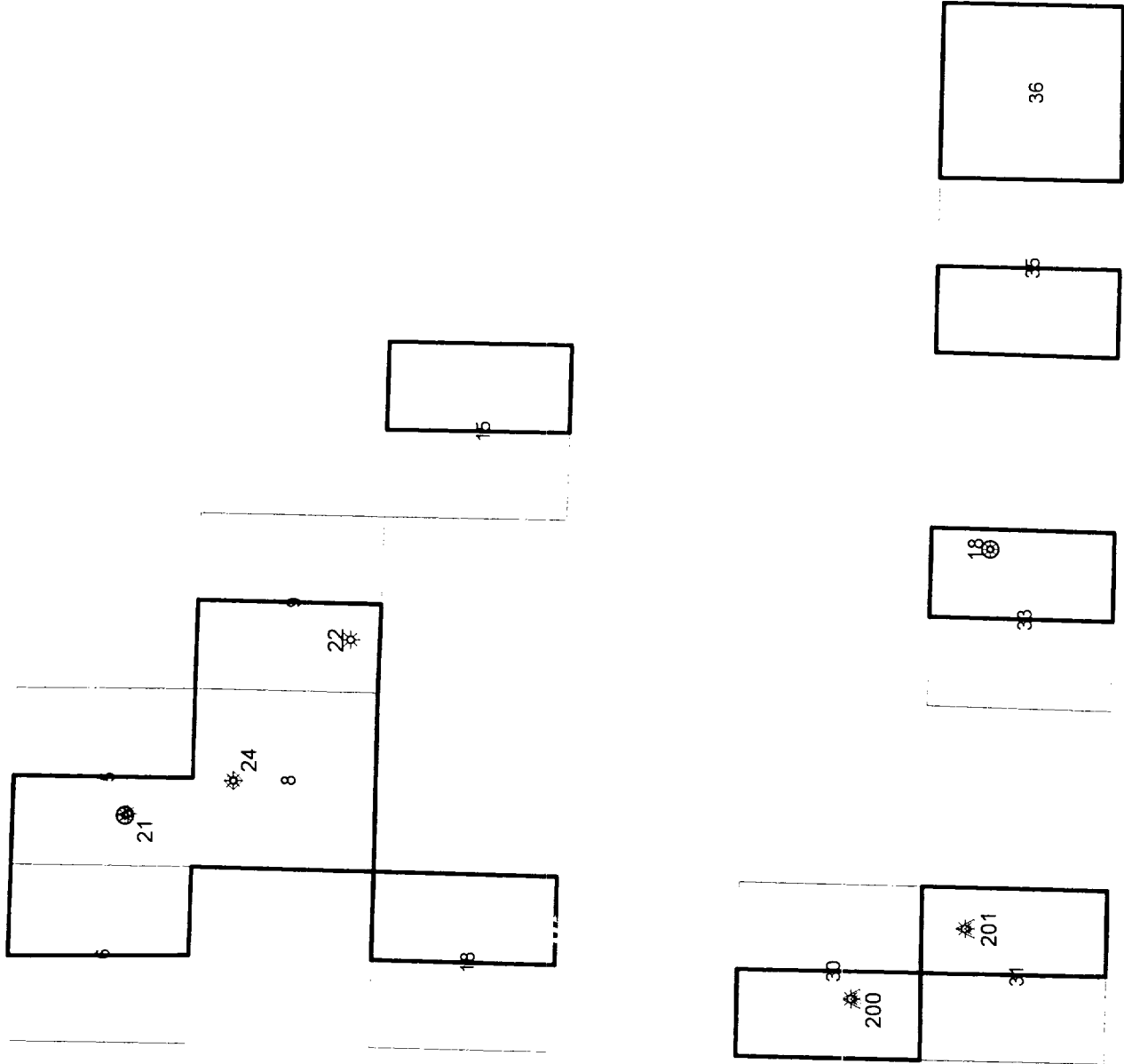
San Juan 29-4 Unit

Rio Arriba Co., NM

Transverse Mercator
UTM - 1927, Zone 13

160020

Prepared By: Cheryl Groth
File No.: <Please enter file number>
Date: 02/25/2003
Revised: <Revision date>
File Name: s:\plat\apr files\units br operated apr



WORKING INTEREST OWNERS SAN JUAN 29-4 UNIT

POOL RESOURCES LTD

BURLINGTON RESOURCES O&G CO LP

CONOCOPHILLIPS COMPANY

DUGAN PRODUCTION CORPORATION

EVELYN G BROWN TRST U/W/O

JABCO LLP

KATHLEEN QUINN

LANGDON D HARRISON ESTATE

ALGERNON W BROWN TRUST U/W/O

MERCHANT RESOURCES #1 LP

XTO ENERGY INC

PROVIDENCE MINERALS LLC

ROBERT CRITCHFIELD

RUTH ZIMMERMAN TRUST

THE TINMIL

THOMAS P TINNIN

TIMOTHY D MCCOY

WILLIAMS PRODUCTION COMPANY

M A R OIL AND GAS CORP INC

BURLINGTON RESOURCES

SAN JUAN DIVISION

552

February 27, 2002

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

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

**RE: 2002 Plan of Development
SAN JUAN 29-4 UNIT 14-08-001-1055
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 29-4 UNIT:

FORMATION	EXPANSI ON	EFFECTIVE DATE
MESAVERDE	004	01-Aug-78
PICTURED CLIFFS	007	01-Oct-94

The 2001 Plan of Development (or amendments thereto) provided for no new development.

Pursuant to Section 10 of the SAN JUAN 29-4 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits no new wells for the the 2002 Plan of Development.

The following is a well listing for wells in SAN JUAN 29-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 29-4 UNIT 201	FRUITLAND COAL	E2 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT 201	PICTURED CLIFFS	E2 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	FRUITLAND COAL	W2 030-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	PICTURED CLIFFS	SW4 030-029N-004W	Active	Commingle
			Commingle Count	4
SAN JUAN 29-4 UNIT 21	MESAVERDE	W2 005-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 21	PICTURED CLIFFS	W2 005-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 24	GALLUP	NE4 008-029N-004W	Shut-in	Dual
SAN JUAN 29-4 UNIT NP24	PICTURED CLIFFS	E2 008-029N-004W	Active	Dual
			Dual Count	4

San Juan 29-4 Unit
2002 Plan of Development
2/27/2002

SAN JUAN 29-4 UNIT 1	MESAVERDE	W2 030-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 10	PICTURED CLIFFS	SW4 036-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 11	PICTURED CLIFFS	E2 006-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 12	MESAVERDE	E2 018-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 13	MESAVERDE	E2 029-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 14	MESAVERDE	E2 031-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 16	PICTURED CLIFFS	E2 036-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 18	MESAVERDE	E2 033-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 2	PICTURED CLIFFS	W2 035-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 22	PICTURED CLIFFS	E2 009-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 23	PICTURED CLIFFS	E2 015-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 3	PICTURED CLIFFS	W2 022-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 6	MESAVERDE	W2 010-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 7	PICTURED CLIFFS	W2 008-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 7	MESAVERDE	W2 008-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 8	MESAVERDE	E2 034-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 9	MESAVERDE	W2 003-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 2	FRUITLAND COAL	W2 035-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 4	PICTURED CLIFFS	E2 035-029N-004W	P&A	Single

Single Count 19
Grand Count 27

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact Jim Troiano at (505) 326-9835 if there are any questions regarding this letter.

Yours very truly,


John F. Zent
Compliance Manager


San Juan 29-4 Unit, 3.0 (2002)

SAN JUAN 29-4 UNIT

San Juan 29-4 Unit
2002 Plan of Development
2/27/2002

2002 PLAN OF DEVELOPMENT

Bureau of Land Management



New Mexico Oil Conservation Division

Date



Date

New Mexico Commissioner of Public Lands

Date

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 22, 2001

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

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

RE: 2001 Plan of Development
SAN JUAN 29-4 UNIT 14-08-001-1055
RIO ARRIBA COUNTY, NEW MEXICO

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 29-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
MESAVERDE	004	01-Aug-78
PICTURED CLIFFS	006	01-Jan-79

The 2000 Plan of Development (or amendments thereto) provided for no new development.

Pursuant to Section 10 of the SAN JUAN 29-4 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits no wells for the 2001 Plan of Development.

The following is a well listing for wells in SAN JUAN 29-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 29-4 UNIT 201	FRUITLAND COAL	E2 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT 201	PICTURED CLIFFS	E2 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	FRUITLAND COAL	W2 030-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	PICTURED CLIFFS	SW4 030-029N-004W	Active	Commingle
			Commingle Count	4

San Juan 29-4 Unit
2001 Plan of Development
February 22, 2001

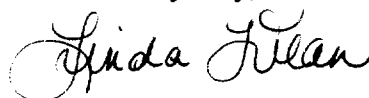
SAN JUAN 29-4 UNIT 21	MESAVERDE	W2 005-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 21	PICTURED CLIFFS	W2 005-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 24	GALLUP	NE4 008-029N-004W	Shut-in	Dual
SAN JUAN 29-4 UNIT NP 24	PICTURED CLIFFS	E2 008-029N-004W	Active	Dual
Dual Count				4
SAN JUAN 29-4 UNIT 1	MESAVERDE	W2 030-029N-004W	P&A	Single
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SAN JUAN 29-4 UNIT 7	MESAVERDE	W2 008-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 8	MESAVERDE	E2 034-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 9	MESAVERDE	W2 003-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 2	FRUITLAND COAL	W2 035-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 4	PICTURED CLIFFS	E2 035-029N-004W	P&A	Single
Single Count				19
Grand Count				27

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,



Linda Dean
Land Advisor

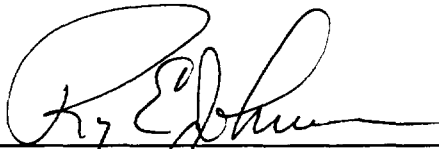
San Juan 29-4 Unit, 3.0 (2001)

San Juan 29-4 Unit
2001 Plan of Development
February 22, 2001

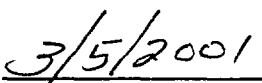
**SAN JUAN 29-4 UNIT
2001 PLAN OF DEVELOPMENT**

Bureau of Land Management

Date



New Mexico Oil Conservation Division



Date

WORKING INTEREST OWNERS SAN JUAN 29-4 UNIT

M A R OIL AND GAS CORP INC
BURLINGTON RESOURCES OIL &
GAS CO LP
CROSS TIMBERS OIL COMPANY
DEVON ENERGY PRODUCTION CO
LP
DUGAN PRODUCTION
CORPORATION
E J E BROWN COMPANY
EVELYN G BROWN TRST U/W/O
ALGERNON W BROWN TRUST U/W/O
LANGDON D HARRISON
WILLIAMS PRODUCTION COMPANY
MERCHANT RESOURCES #1 LP
PHILLIPS PETROLEUM
POOL RESOURCES LTD
ROBERT & FRANCES TINNIN
ROBERT CRITCHFIELD
RUTH ZIMMERMAN TRUST
TIMOTHY D MCCOY
KATHLEEN QUINN

BURLINGTON RESOURCES

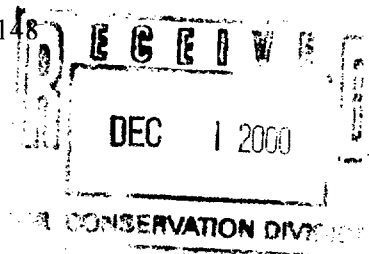
SAN JUAN DIVISION

November 30, 2000

Bureau of Land Management (3)
Attn: Mr. Richard Dembowski
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands (2)
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501-1148

State of New Mexico (2)
Oil Conservation Division
Energy & Minerals Department
2040 South Pacheco
Santa Fe, NM 87505



RE: San Juan 29-4 Unit, 14-08-001-1055
Rio Arriba County, New Mexico
Pictured Cliffs Participating Area
7th Expansion, effective 10/1/94

Gentlemen:

Pursuant to Section 11(a) of the Unit Agreement for the referenced Unit, approved September 9, 1953, Burlington Resources Oil & Gas Company, as Unit Operator, has determined that the following well is capable of producing unitized substances in paying quantities from the Pictured Cliffs formation and thereby should be admitted to the Pictured Cliffs Participating Area.

SEVENTH EXPANSION - EFFECTIVE 10/1/94

<u>Well Name</u>	<u>Tract/Acres</u>	<u>Tr. Description</u>	<u>Comp. Date</u>
San Juan 29-4 Unit #201	Tr. 15/320.00	E/2 Sec. 31-29N-4W	9/21/94

The schedule for the Seventh Participating Area is enclosed. The schedule describes the Participating Area and shows the percentage of unitized substances allocated to the Tracts according to the ownership within the Tracts.

We would appreciate a review and approval of this Participating Area as soon as possible. Please contact the undersigned at (505) 326-9860 if there are any questions regarding this matter. Copies of this letter are being furnished to the Working Interest Owners on the attached list.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Marian L. Wimsatt".

Marian L. Wimsatt, CPLTA
Land Analyst

MLW:ll
San Juan 29-4 Unit, 4.1

WORKING INTEREST OWNERS SAN JUAN 29-4 UNIT

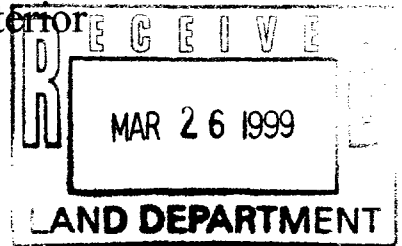
PHILLIPS PETROLEUM
BURLINGTON RESOURCES O&G CO
CROSS TIMBERS OIL COMPANY
DEVON ENERGY PRODUCTION CO
LP
E J E BROWN COMPANY
EVELYN G BROWN TRST U/W/O
KATHLEEN QUINN
LANGDON D HARRISON
ALGERNON W BROWN TRUST U/W/O
MARY DUGAN ESTATE
WILLIAMS PRODUCTION COMPANY
POOL HAROLD IRREV RE
ROBERT & FRANCES TINNIN
ROBERT CRITCHFIELD
RUTH ZIMMERMAN TRUST
ST JOHNS OPERATING #1 LP
THELMA POOL REV MARITAL TRST
THOMAS A DUGAN
TIMOTHY D MCCOY
M A R OIL AND GAS CORP INC



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:

San Juan 29-4 Unit (Pictured Cliffs PA)
3162.7 (07400)

March 24, 1999

Burlington Resources Oil & Gas Company
P.O. Box 4289
Farmington, NM 87499-4289

RE: San Juan 29-4 Unit
Commerciality Determination
Pictured Cliffs Formation
Rio Arriba County, New Mexico

Dear Ms. Wimsatt:

In response to your letter dated September 28, 1998, the Farmington Field Office (FFO) has reviewed the data you submitted for a commerciality determination for the following well completed in the Pictured Cliffs formation.

Well Name & Number	Dedication	Lease	Completion Date	Determination
San Juan 29-4 Unit #201	E/2 31,T29N,R4W	NMSF079893A	9/21/94	Commercial

After completing our economic evaluation, we are in concurrence with the above determination.

The Pictured Cliffs Formation in this well is determined to be commercial and is to be included in the Pictured Cliffs participating area. It is required that a revision be submitted to include the well in the San Juan 29-4 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,

Duane W. Spencer
Team Leader, Petroleum Management Team

RUN DATE 11/22/00
RUN TIME 11:22:18

BURLINGTON RESOURCES O&G CO
THE 007 EXPANDED PARTICIPATING AREA FOR PICTURED CLIFFS FORMATION
SAN JUAN 29-4 UNIT AREA
RIO ARRIBA, NEW MEXICO
EFFECTIVE 10/01/1994

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079756	T-029N R-004W	319.30		TRACT: 003			9.982649
	-----		ORRI:		0.000000	2.500000	-----
	SEC. 006 S/2 NE/4, SE/4 (240.00 acres)		ROYALTY:		0.000000	12.500000	
	LOT 1 (39.590000 acres)		WORKING INTEREST:				
	LOT 2 (39.710000 acres)		BURLINGTON RESOURCES OIL & GAS CO		100.000000	85.000000	
	-----				-----	-----	
	TOTAL				100.000000	100.000000	
SF-079756-A	T-029N R-004W	319.25		TRACT: 003A			9.981085
	-----		ORRI:		0.000000	2.500000	-----
	SEC. 005 SW/4, S/2 NW/4 (240.00 acres)		ROYALTY:		0.000000	12.500000	
	LOT 3 (39.670000 acres)		WORKING INTEREST:				
	LOT 4 (39.580000 acres)		MERCHANT RESOURCES #1 LP		100.000000	85.000000	
	-----				-----	-----	
	TOTAL				100.000000	100.000000	
SF-079757	T-029N R-004W	320.00		TRACT: 004			10.004533
	-----		ORRI:		0.000000	2.500000	-----
	SEC. 008 W/2 (320.00 acres)		ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES OIL & GAS CO		100.000000	85.000000	
			-----		-----	-----	
	TOTAL				100.000000	100.000000	
SF-079757-A	T-029N R-004W	640.00		TRACT: 004A			20.009067
	-----		ORRI:		0.000000	2.500000	-----
	SEC. 008 E/2 (320.00 acres)		ROYALTY:		0.000000	12.500000	
	SEC. 009 W/2 (320.00 acres)		WORKING INTEREST:				
			MERCHANT RESOURCES #1 LP		100.000000	85.000000	
			-----		-----	-----	
	TOTAL				100.000000	100.000000	
SF-079758	T-029N R-004W	320.00		TRACT: 005A			10.004533
	-----		ORRI:		0.000000	2.500000	-----
	SEC. 015 E/2		ROYALTY:		0.000000	12.500000	

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
(320.00 acres)							
WORKING INTEREST:							
MERCHANT RESOURCES #1 LP					100.000000	85.000000	
TOTAL					100.000000	100.000000	
SF-079761	T-029N R-004W	960.00	TRACT: 010				

ORI:					0.000000	25.156200	30.013600
ROYALTY:					0.000000	12.500000	-----
WORKING INTEREST:							
BURLINGTON RESOURCES OIL & GAS CO					100.000000	62.343800	
TOTAL					100.000000	100.000000	-----
Tract Remarks:							
20.7812% NPI INCLUDED IN ORI%.							
SF-079893-A	T-029N R-004W	320.00	TRACT: 015				

ORI:					0.000000	20.781200	10.004533
ROYALTY:					0.000000	12.500000	-----
WORKING INTEREST:							
DUGAN THOMAS					1.093750	0.957031	
M A R O I L & G A S C O R P					3.125000	2.734375	
E J E B R O W N C O M P A N Y					2.187500	1.914063	
QUINN KATHLEEN					1.458333	1.276041	
ZIMMERMAN RUTH TRUST					0.729167	0.638021	
POOL THELMA K REVOC MARITAL TRUST					2.187500	1.914063	
POOL HAROLD O I RREVOC RESIDUAL TRUST					2.187500	1.914063	
TINNIN ROBT/FRANCES					0.546875	0.478516	
BROWN EVELYN G					0.646844	0.565988	
BROWN ALGERNON W					1.540656	1.348074	
DUGAN MARY ESTATE					1.093750	0.957031	
DEVON ENERGY PRODUCTION CO LP					2.187500	1.914062	
BURLINGTON RESOURCES OIL & GAS CO					81.015625	50.107472	
TOTAL					100.000000	100.000000	-----

THE 007 EXPANDED PARTICIPATING AREA FOR PICTURED CLIFFS FORMATION
SAN JUAN 29-4 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

TOWNSHIP 029N, RANGE 004W

SEC. 005 SW/4, S/2 NW/4

LOT: 3 (39.67000 acres)

LOT: 4 (39.58000 acres)

SEC. 006 S/2 NE/4, SE/4

LOT: 1 (39.59000 acres)

LOT: 2 (39.71000 acres)

SEC. 008 W/2

SEC. 008 E/2

SEC. 009 W/2

SEC. 015 E/2

SEC. 031 E/2

SEC. 035 W/2

SEC. 036 ALL

TOTAL ACRES COMMITTED: 3198.55

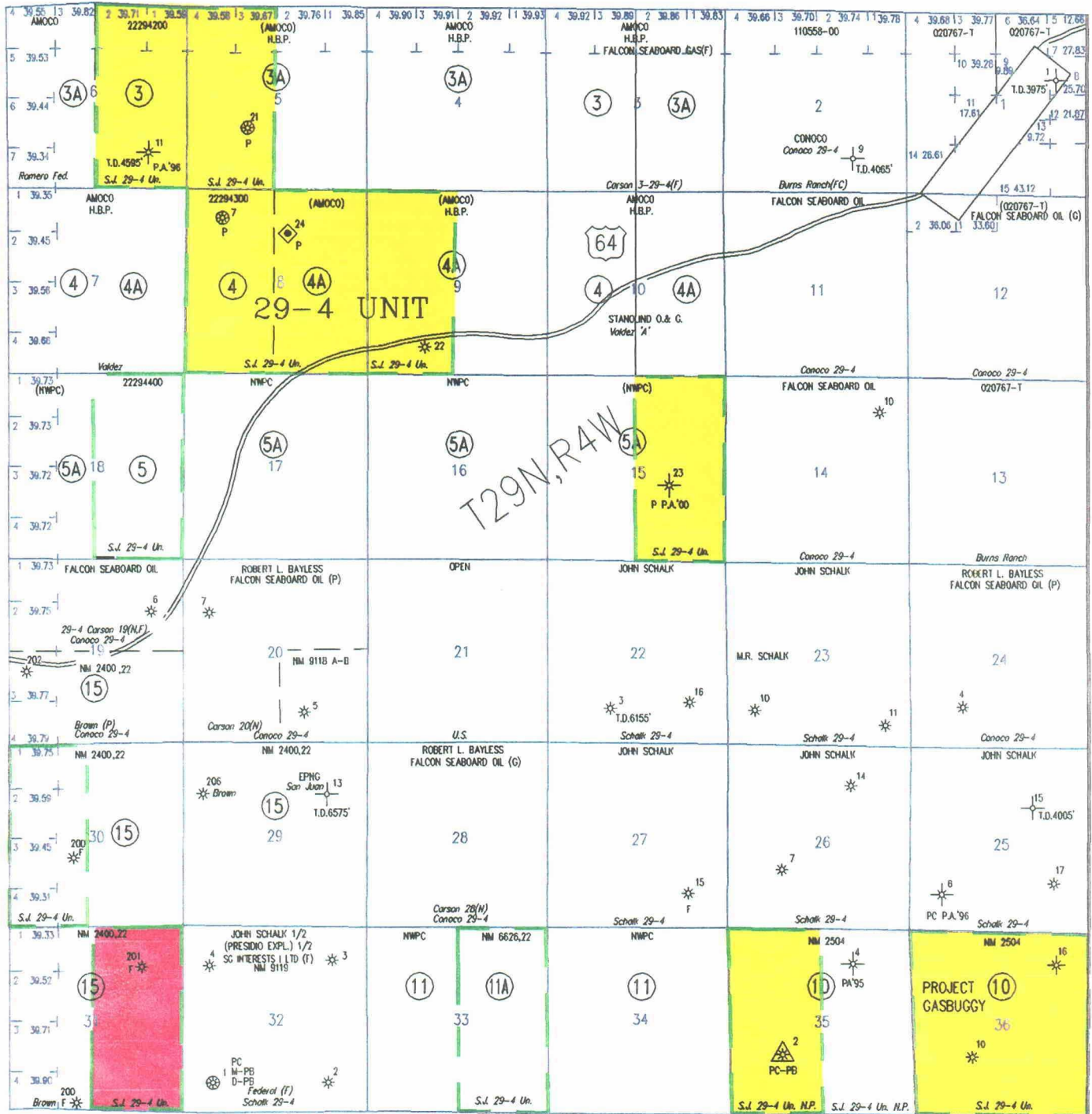
TOTAL NUMBER OF ACRES IN PARTICIPATING AREA:

3198.55

TOTAL ACRES NON-COMMITTED: 0.00

EFFECTIVE DATE: 10/01/94

R4W



T
29
N

SAN JUAN 29-4 UNIT

-  FRUITLAND
-  PICTURED CLIFFS
-  MESAVERDE
-  DAKOTA
-  PICTURED CLIFFS PARTICIPATING AREA
6th Expansion Effective 1/1/79
-  7th Expansion Effective 10/1/94

**BURLINGTON
RESOURCES**

BUSINESS DEVELOPMENT
Nov. 22, 2000

BURLINGTON RESOURCES

SAN JUAN DIVISION

March 1, 1999

552

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

MAR 3

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

**RE: 1999 Plan of Development
SAN JUAN 29-4 UNIT 14-08-001-1055
RIO ARriba COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 29-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
MESAVERDE	004	01-Aug-78
PICTURED CLIFFS	006	01-Jan-79

The 1998 Plan of Development (or amendments thereto) provided for no activity:

The Participating Area maps submitted last year have not been revised, therefore, they are not being resubmitted with this year's Plan of Development.

Pursuant to Section 10 of the SAN JUAN 29-4 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 1999 Plan of Development providing for the drilling of no wells.

The following is a well listing for wells in SAN JUAN 29-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 29-4 UNIT 201	FRUITLAND COAL	E 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT 201	PICTURED CLIFFS	E 031-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	FRUITLAND COAL	W 030-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	PICTURED CLIFFS	W 030-029N-004W	Active	Commingle
			Commingle Completion Count	4

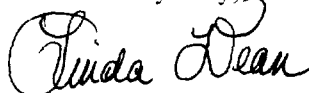
SAN JUAN 29-4 UNIT 21	MESAVERDE	W 005-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 21	PICTURED CLIFFS	W 005-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 24	GALLUP	NE 008-029N-004W	Shut-in	Dual
SAN JUAN 29-4 UNIT NP 24	PICTURED CLIFFS	E 008-029N-004W	Active	Dual
			Dual Completion Count	4
SAN JUAN 29-4 UNIT 1	MESAVERDE	W 030-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 10	PICTURED CLIFFS	W 036-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 11	PICTURED CLIFFS	E 006-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 12	MESAVERDE	E 018-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 14	MESAVERDE	E 031-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 16	PICTURED CLIFFS	E 036-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 18	MESAVERDE	E 033-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 2	PICTURED CLIFFS	W 035-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 22	PICTURED CLIFFS	E 009-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 23	PICTURED CLIFFS	E 015-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 7	PICTURED CLIFFS	W 008-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 7	MESAVERDE	W 008-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 2	FRUITLAND COAL	W 035-029N-004W	P&A	Single
			Single Completion Count	13
			Grand Completion Count	21

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,



Linda Dean
Senior Staff Landman

**SAN JUAN 29-4 UNIT
1999 PLAN OF DEVELOPMENT**

Bureau of Land Management



New Mexico Oil Conservation Division

Date

3/3/99

Date

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Cross Timbers Oil Company

Burlington Resources Oil & Gas Company

Devon Energy Corporation

EJE Brown Company

Estate of Robert Critchfield

Harold O. Pool Irrevocable Trust

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Robert & Frances Tinnin Revoc. Trust

Ruth Zimmerman Trust

NationsBank, N.A. for Kathleen Quinn

Thelma Pool Revocable Trust

Thomas A. Dugan

Timothy D. McCoy

Williams Production Company

BURLINGTON RESOURCES

SAN JUAN DIVISION

September 28, 1998

Bureau of Land Management
Farmington Resource Area
Attn: Mr. Duane Spencer
1235 La Plata Highway
Farmington, NM 87401

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

State of New Mexico
Oil Conservation Division
Attn: Ms. Lori Wrotenbery
2040 South Pacheco
Santa Fe, NM 87505

RE: San Juan 29-4 Unit (#14-08-001-1055)
Commercial Determinations
Fruitland Coal Formation
Rio Arriba County, New Mexico

Gentlemen:

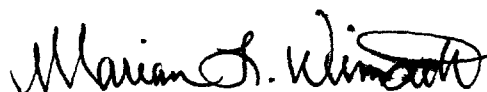
Pursuant to the provisions of Section 11(a) of the San Juan 29-4 Unit Agreement, #14-08-001-1055, approved, September 9, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the well listed below is capable of producing unitized substances in paying quantities from the Fruitland Coal Formation. Burlington is seeking confirmation of the paying well determination enclosed.

BR's	Well Name	Well	Dedicated	Completion	Commericality
DP No.	& Number	Dedication	Lease	Date	Determination
41538A	San Juan 29-4 Unit #201	E/2 31-29N-4W	NMSF-079893-A	09/21/94	Commercial

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

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



Marian L. Wimsatt, CPLTA
Land Analyst

MLW:ll
San Juan 29-4 Unit, 4.5
cc: Linda Donohue

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Cross Timbers Oil Company

Burlington Resources Oil & Gas Company

Devon Energy Corporation

EJE Brown Company

Estate of Robert Critchfield

Harold O. Pool Irrevocable Trust

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Robert & Frances Tinnin Revoc. Trust

Ruth Zimmerman Trust

NationsBank, N.A. for Kathleen Quinn

Thelma Pool Revocable Trust

Thomas A. Dugan

Timothy D. McCoy

Williams Production Company

BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET

9/ 2/98

FOR LEASE: SAN JUAN 29-4 UNIT # 201

WELL INFORMATION:

LOCATION	029N004W31A
COUNTY	RIO ARRIBA
STATE	NM
FORMATION	GOVERNADOR P.C. (GAS)
OPERATOR	BURLINGTON RESOURCES
SPUD DATE	7/11/94
COMP DATE	9/21/94
FIRST GAS	6/30/95
COMM GWI	100.00
COMM NRI	87.50
MOI GWI	81.02
MOI NRI	70.89

PRODUCTION TAXES:

TAXES FOR	1995	GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

PRESSURE DATA:

DATE	
WHSIP	.00
BHSIP	.00

WELL COST DATA:

AVERAGE WELL COST	\$ 196.00	M
PAYOUT YEARS	4.46	

ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

ESTIMATED ANNUAL PRODUCTION				OPERATING EXPENSES		
YEAR	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	15.67	.13	.00	1.35	.00	1.35
1996	35.13	.10	.00	4.03	.00	4.03
1997	40.52	.17	.00	4.03	.00	4.03
1998	38.47	.08	.00	4.03	.00	4.03
1999	35.31	.00	.00	4.03	.00	4.03
2000	33.28	.00	.00	4.03	.00	4.03
2001	31.38	.00	.00	4.03	.00	4.03
2002	29.58	.00	.00	4.03	.00	4.03
2003	27.89	.00	.00	4.03	.00	4.03
2004	26.29	.00	.00	4.03	.00	4.03
2005	24.79	.00	.00	4.03	.00	4.03

BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET

9/ 2/98

FOR LEASE: SAN JUAN 29-4 UNIT

201

WELL INFORMATION:

LOCATION	029N004W31A
COUNTY	RIO ARRIBA
STATE	NM
FORMATION	GOVERNADOR P.C. (GAS)
OPERATOR	BURLINGTON RESOURCES
SPUD DATE	7/11/94
COMP DATE	9/21/94
FIRST GAS	6/30/95
COMM GWI	100.00 % MOI GWI 81.02 %
COMM NRI	87.50 % MOI NRI 70.89 %

PRODUCTION TAXES:

TAXES FOR	1995	GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

AVERAGE HEAT CONTENT

1,166 MMBtu / Mcf

WELL COST DATA:

AVERAGE WELL COST	\$ 196.00 M
PAYOUT YEARS	4.4

AVERAGE PRODUCT PRICING

PRICE/GAS \$ / MCF	YEAR
1.31	12/94
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE

Dwights Discover CD-ROM ID: R-175743-0 Original
Copyright 1998 Rockies Run Date: 2-Sep-98

=====
State : New Mexico NM Merid 29N - 4W - 31 sw ne ne

County: RIO ARRIBA Oper: MERIDIAN OIL PROD INC

Field : BASIN FRT COAL/GOBERNADOR PC Compl: 09/21/1994 D G M&G

=====
Well: SAN JUAN 29-4 UNIT #201 Last Info: 08/10/1995

Ftg: 1175 fnl 1190 fel

Lat-Long by TDG: 36.686005 - 107.288712

Oper Address: PO Box 4289, Farmington NM 87499 - 505/326-9700

Obj: 4510 Pictured Cliffs Permit #: Coal 03/17/1994 API: 30-039-2537200

Elev: 7346KB

=====
Spud: 07/11/1994

TD: 4511 on 07/16/1994

=====
Elev: 7346KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)

(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS

M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	3603	3743	L H	Fruitland	3977	3369	L H
Kirtland	3762	3584	L H	Pictured Cliffs	4149	3197	L H

=====
DDC : 6 Gobernador (miles from the nearest city)

Casing: 8 5/8 @ 498 w/380

4 1/2 @ 4505 w/825

Mud : 9.3# @ 4510

Core : None reported

DST : None rptd

Logs : 07/15/94 Schlumberger AIT GR @ 510-4494, LDT CNL @ 3500-4508.

07/16/94 Schlumberger FACT GR @ 510-4510, DSI @ 3900-4490.

Tubing: 2 3/8 @ 4370

Perfs : 4300-4372 (Pictured Cliffs)

- frac w/150000# 20/40 sd 30# gel wtr

4109-4210 (Fruitland coal)

- frac w/160000# 20/40 sd 70Q foam

PZone :

(DUAL)

4109-4210 (Fruitland coal)

4300-4372 (Pictured Cliffs)

IP : (Fruitland coal 4109-4210) F 146 MCFGPD; SICP 940

(Pictured Cliffs 4300-4372) F 228 MCFGPD; SICP 940

RETEST (Frt coal/Pictured Cliffs 4109-4372 06/15/95) F 752 MCFGPD; FTP

1057, SICP 1061 -- Commingled

Journal: 8/1/94 spudded.

8/24/94 WO completion.

10/10/94 completed methane and gas well.

2/27/95 added log details.

4/27/95 completed methane and gas well, details added.

8/10/95 added retest; commingled June 15, 1995.

BURLINGTON RESOURCES

SAN JUAN DIVISION

September 28, 1998

Bureau of Land Management
Farmington Resource Area
Attn: Mr. Duane Spencer
1235 La Plata Highway
Farmington, NM 87401

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

State of New Mexico
Oil Conservation Division
Attn: Ms. Lori Wrotenbery
2040 South Pacheco
Santa Fe, NM 87505

RE: San Juan 29-4 Unit (#14-08-001-1055)
Commercial Determinations
Pictured Cliffs Formation
Rio Arriba County, New Mexico

Gentlemen:

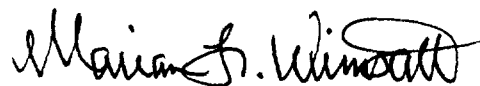
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BR's	Well Name	Well	Dedicated	Completion	Commericality
<u>DP No.</u>	<u>& Number</u>	<u>Dedication</u>	<u>Lease</u>	<u>Date</u>	<u>Determination</u>
41538B	San Juan 29-4 Unit #201	E/2 31-29N-4W	NMSF-079893-A	09/21/94	Commercial

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

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Very truly yours,



Marian L. Wimsatt, CPLTA
Land Analyst

MLW:ll
San Juan 29-4 Unit, 4.1
cc: Linda Donohue

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Cross Timbers Oil Company

Burlington Resources Oil & Gas Company

Devon Energy Corporation

EJE Brown Company

Estate of Robert Critchfield

Harold O. Pool Irrevocable Trust

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Robert & Frances Tinnin Revoc. Trust

Ruth Zimmerman Trust

NationsBank, N.A. for Kathleen Quinn

Thelma Pool Revocable Trust

Thomas A. Dugan

Timothy D. McCoy

Williams Production Company

BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET

9/ 2/98

FOR LEASE: SAN JUAN 29-4 UNIT # 201

WELL INFORMATION:

LOCATION	029N004W31A
COUNTY	RIO ARRIBA
STATE	NM
FORMATION	BASIN (FRUITLAND COAL)
OPERATOR	BURLINGTON RESOURCES
SPUD DATE	7/11/94
COMP DATE	9/21/94
FIRST GAS	6/30/95
COMM GWI	100.00
COMM NRI	87.50
MOI GWI	81.02
MOI NRI	70.89

PRODUCTION TAXES:

TAXES FOR 1995	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

PRESSURE DATA:

DATE	
WHSIP	.00
BHSIP	.00

WELL COST DATA:

AVERAGE WELL COST	\$ 179.00 M
PAYOUT YEARS	7.94

ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

ESTIMATED ANNUAL PRODUCTION				OPERATING EXPENSES		
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1995	21.35	.00	.00	1.35	.00	1.35
1996	28.47	.00	.00	4.03	.00	4.03
1997	26.86	.00	.00	4.03	.00	4.03
1998	18.07	.00	.00	4.03	.00	4.03
1999	16.93	.00	.00	4.03	.00	4.03
2000	14.81	.00	.00	4.03	.00	4.03
2001	13.16	.00	.00	4.03	.00	4.03
2002	11.84	.00	.00	4.03	.00	4.03
2003	10.76	.00	.00	4.03	.00	4.03
2004	9.86	.00	.00	4.03	.00	4.03
2005	9.09	.00	.00	4.03	.00	4.03

**BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET**

9/ 2/98

FOR LEASE: SAN JUAN 29-4 UNIT

201

WELL INFORMATION:

LOCATION 029N004W31A
COUNTY RIO ARriba
STATE NM
FORMATION BASIN (FRUITLAND COAL)
OPERATOR BURLINGTON RESOURCES
SPUD DATE 7/11/94
COMP DATE 9/21/94
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1,166 MMBtu / Mcf

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PAYOUT YEARS 7.9

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1.31	12/94
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Dwights Discover CD-ROM
Copyright 1998 Rockies

ID: R-175743-0 Original
Run Date: 2-Sep-98

State : New Mexico NM Merid 29N - 4W - 31 sw ne ne

County: RIO ARRIBA

Oper: MERIDIAN OIL PROD INC

Field : BASIN FRT COAL/GOBERNADOR PC Compl: 09/21/1994 D G M&G

Well: SAN JUAN 29-4 UNIT #201

Last Info: 08/10/1995

Ftg: 1175 fnl 1190 fel

Lat-Long by TDG: 36.686005 - 107.288712

Oper Address: PO Box 4289, Farmington NM 87499 - 505/326-9700

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Spud: 07/11/1994

TD: 4511 on 07/16/1994

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4 1/2 @ 4505 w/825

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8/10/95 added retest; commingled June 15, 1995.

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 27, 1998

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

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

MAR - 2 1998

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

**RE: 1998 Plan of Development
SAN JUAN 29-4 UNIT 14-08-001-1055
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 29-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
MESAVERDE	004	08-01-1978
PICTURED CLIFFS	006	01-01-1979

The 1997 Plan of Development (or amendments thereto) provided for the following activity:

NONE

Copies of Participating Area maps are attached for each formation. The circled numbers correspond to the Unit Exhibit "B" ownership schedule.

Pursuant to Section 10 of the SAN JUAN 29-4 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 1998 Plan of Development as follows:

NONE

The following is a well listing for wells in SAN JUAN 29-4 UNIT and the current status our system contains for the well.

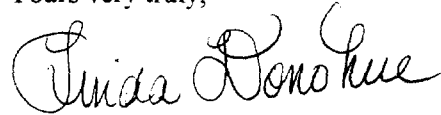
WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 29-4 UNIT 201	FRUITLAND COAL	A 31-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT 201	PICTURED CLIFFS	A 31-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	FRUITLAND COAL	K 30-029N-004W	Active	Commingle
SAN JUAN 29-4 UNIT NP 200	PICTURED CLIFFS	K 30-029N-004W	Active	Commingle
			Commingle Count	4
SAN JUAN 29-4 UNIT 21	MESAVERDE	K 05-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 21	PICTURED CLIFFS	K 05-029N-004W	Active	Dual
SAN JUAN 29-4 UNIT 24	GALLUP	B 08-029N-004W	Shut-in	Dual
SAN JUAN 29-4 UNIT NP 24	PICTURED CLIFFS	B 08-029N-004W	Active	Dual
			Dual Count	4
SAN JUAN 29-4 UNIT 1	MESAVERDE	K 30-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 2	PICTURED CLIFFS	K 35-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 3	PICTURED CLIFFS	N 22-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 5	DAKOTA	N 07-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 6	MESAVERDE	M 10-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 7	PICTURED CLIFFS	D 08-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 7	MESAVERDE	D 08-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 8	MESAVERDE	H 34-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 9	MESAVERDE	D 03-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 10	PICTURED CLIFFS	K 36-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 11	PICTURED CLIFFS	P 06-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 12	MESAVERDE	B 18-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 13	MESAVERDE	H 29-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 14	MESAVERDE	A 31-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 16	PICTURED CLIFFS	A 36-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT 18	MESAVERDE	H 33-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 22	PICTURED CLIFFS	N 09-029N-004W	Active	Single
SAN JUAN 29-4 UNIT 23	PICTURED CLIFFS	J 15-029N-004W	Active	Single
SAN JUAN 29-4 UNIT NP 2	FRUITLAND COAL	K 35-029N-004W	P&A	Single
SAN JUAN 29-4 UNIT NP 4	PICTURED CLIFFS	B 35-029N-004W	P&A	Single
			Single Count	20
			Grand Count	28

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

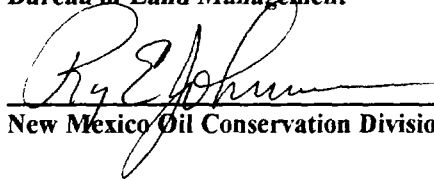
Yours very truly,



Linda Donohue
Senior Staff Landman

**SAN JUAN 29-4 UNIT
1998 PLAN OF DEVELOPMENT**

Bureau of Land Management



New Mexico Oil Conservation Division

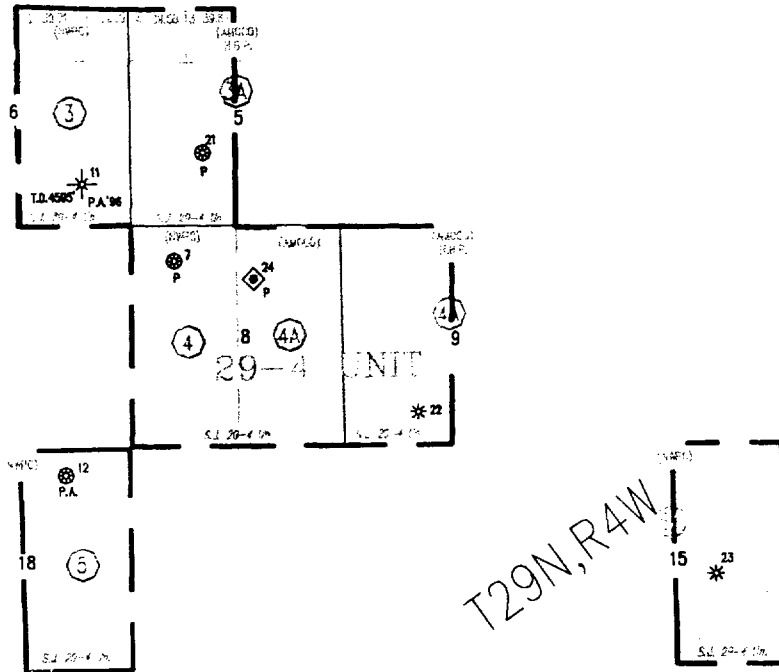
Date

3/3/98
Date

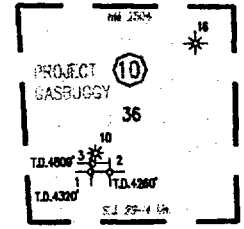
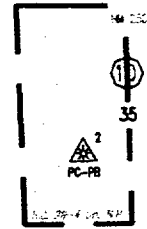
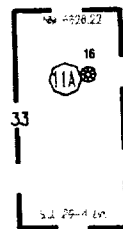
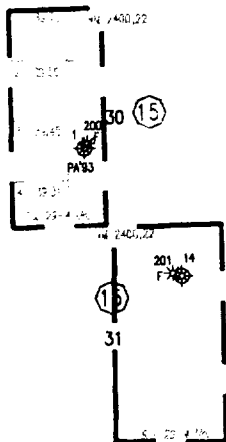
New Mexico Commissioner of Public Lands

Date

R4W



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29
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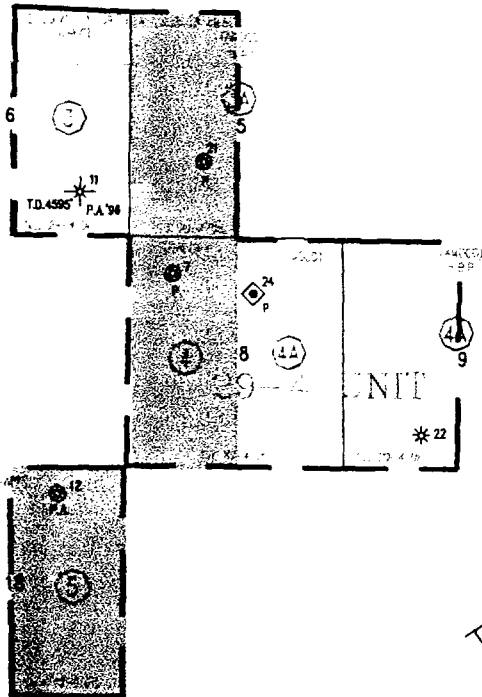
SAN JUAN 29-4 UNIT

- ▲ FOURLAND
- PICTURED CLIFF
- ⊙ MESAVIOR
- ⊙ DAKOTA

PICTURED CLIFFS PARTICIPATING AREA
6th Expansion Effective 1/1/79

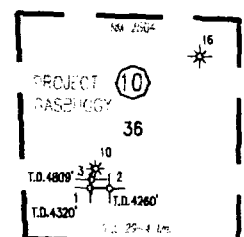
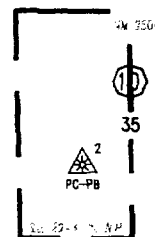
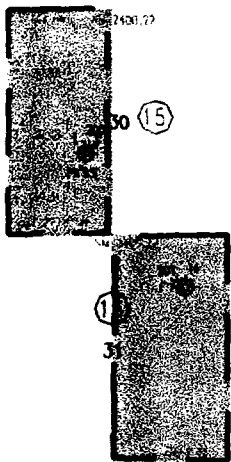
OIL AND GAS OWNED BY
STATE OF NEW MEXICO

R 4 W



T29N, R4W

T
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SAN JUAN 29-4 UNIT

- △ PROLAND
- * PICTURED CLIFFS
- ⊙ MESAVERDE
- ⊙ SAKOTA
- MESAVERDE PARTICIPATING AREA
4th Expansion Effective 8/1/78
- ▨ OIL AND GAS OWNED BY
STATE OF NEW MEXICO

BURLINGTON RESOURCES

SAN JUAN DIVISION

RECEIVED
FEB 18 1997

FEB 18 1997

February 13, 1997

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

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

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

**RE: SAN JUAN 29-4 UNIT, #14-08-001-1055
1997 PLAN OF DEVELOPMENT
RIO ARRIBA COUNTY, NEW MEXICO**

Gentlemen:

By letter dated January 25, 1996, Burlington Resources Oil & Gas Company, formerly Meridian Oil Inc., as Unit Operator for the referenced Unit, filed the Plan of Development (POD) for the calendar year 1996, which provided for the drilling of one (1) Pictured Cliffs well (#26). The well was subsequently not drilled and should be canceled from the Plan of Development.

The following Participating Areas currently exist in the unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Pictured Cliffs	6th	1-1-79
Mesaverde	4th	8-1-78

There are currently two (2) Pictured Cliffs/Fruitland commingle wells pending commerciality determination.

Pursuant to Section 10 of the San Juan 30-4 Unit Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits that no wells be drilled for the 1997 Plan of Development.

The working interest owners are being contacted regarding the 1997 Plan of Development.

SJ 29-4 POD
February 13, 1997
Page 2

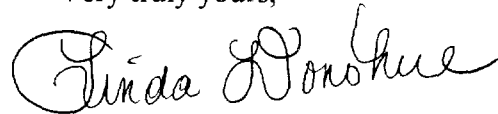
Burlington Resources Oil & Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy to the undersigned.

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

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

Very truly yours,



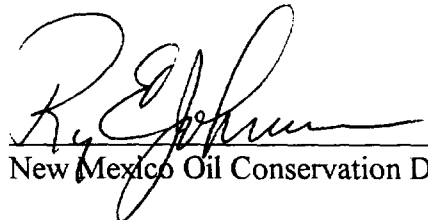
Linda Donohue
Senior Landman

LD/cj
Enclosures

File: SJ 29-4 Unit, 3.0 (1997)

1997 PLAN OF DEVELOPMENT

Bureau of Land Management



New Mexico Oil Conservation Division

Date

2/21/97
Date

N/A-for information only
New Mexico Commissioner of Public Lands

N/A
Date

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Burlington Resources Oil & Gas Company

Devon Energy Corporation

EJE Brown Company

Estate of Robert Critchfield

Harold O. Pool Irrevocable Trust

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Kathleen Quinn

Thelma Pool Revocable Trust

Thomas A. Dugan

Timothy D. McCoy

Williams Production Company

February 27, 1996

Bureau of Land Management
Farmington Resource Area
Attn: Mr. Duane Spencer
1235 La Plata Highway
Farmington, NM 87401

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

State of New Mexico
Oil Conservation Division
Attn: Mr. William J. LeMay
2040 South Pacheco
Santa Fe, NM 87505

RE: San Juan 29-4 Unit (#14-08-001-1055)
Commercial Determinations
Fruitland Coal Formation
Rio Arriba County, New Mexico

Gentlemen:

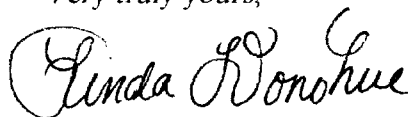
Pursuant to the provisions of Section 11(a) of the San Juan 29-4 Unit Agreement, #14-08-001-1055, approved September 9, 1953, Meridian Oil Inc., as Operator, has determined that the well listed below is capable of producing unitized substances in paying quantities from the Fruitland Coal formation. Meridian is seeking confirmation of the paying well determination enclosed. An Economic Summary Sheet is also enclosed.

<u>Meridian's</u> <u>DP No.</u>	<u>Well Name</u> <u>& Number</u>	<u>Well</u> <u>Dedication</u>	<u>Dedicated</u> <u>Lease</u>	<u>Perfs</u>	<u>Completion</u> <u>Date</u>	<u>Commerciality</u> <u>Determination</u>
37686B	San Juan 29-4 #200	W/2 30-29N-4W	NMSF-079893-A	4062-4226'	10/20/93	Commercial

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

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9760.

Very truly yours,



Linda Donohue
Senior Landman

LKD:ll
S.J. 29-4 Unit, 4.5

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

EJE Brown Company

El Paso Production Company

Estate of Robert Critchfield

Harold O. Pool Irrevocable Trust

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Meridian Oil Production Inc.

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Kathleen Quinn

Thelma Pool Revocable Trust

Thomas A. Dugan

Timothy D. McCoy

Williams Production Company

MERIDIAN OIL INC
COMMERICALITY DETERMINATION
BLM DATA SHEET

2/13/96

FOR LEASE: SAN JUAN 29-4 UNIT # 200

WELL INFORMATION:

LOCATION	029N004W30K		
COUNTY	RIO ARriba		
STATE	NM		
FORMATION	BASIN (FRUITLAND COAL)		
OPERATOR	MERIDIAN OIL INC		
SPUD DATE	9/12/93		
COMP DATE	10/20/93		
FIRST GAS	1/31/94		
COMM GWI	100.00	MOI GWI	79.38
COMM NRI	87.50	MOI NRI	69.45

PRODUCTION TAXES:

TAXES FOR 1994		GAS % OF REVENUE	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	0.18	%
PROD. EQUIP.	NM	0.22	%
TOTAL		9.36	%

PRESSURE DATA:

DATE	
WHSIP	961.00
BHSIP	1,082.00

WELL COST DATA:

AVERAGE WELL COST	\$ 311.00	M
PAYOUT YEARS	9.03	

ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

ESTIMATED ANNUAL PRODUCTION				OPERATING EXPENSES		
YEAR	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1994	37.32	0.00	0.00	1.29	0.00	1.29
1995	33.30	0.00	0.00	1.40	0.00	1.40
1996	57.60	0.00	0.00	1.40	0.00	1.40
1997	53.26	0.00	0.00	1.40	0.00	1.40
1998	49.25	0.00	0.00	1.40	0.00	1.40
1999	45.53	0.00	0.00	1.40	0.00	1.40
2000	42.10	0.00	0.00	1.40	0.00	1.40
2001	38.93	0.00	0.00	1.40	0.00	1.40
2002	36.00	0.00	0.00	1.40	0.00	1.40
2003	33.28	0.00	0.00	1.40	0.00	1.40
2004	30.77	0.00	0.00	1.40	0.00	1.40
2005	28.45	0.00	0.00	1.40	0.00	1.40

MERIDIAN OIL INC
COMMERICALITY DETERMINATION
BLM DATA SHEET

2/13/96

FOR LEASE: SAN JUAN 29-4 UNIT

200

WELL INFORMATION:

LOCATION	029N004W30K		
COUNTY	RIO ARriba		
STATE	NM		
FORMATION	BASIN (FRUITLAND COAL)		
OPERATOR	MERIDIAN OIL INC		
SPUD DATE	9/12/93		
COMP DATE	10/20/93		
FIRST GAS	1/31/94		
COMM GWI	100.00	MOI GWI	79.38
COMM NRI	87.50	MOI NRI	69.45

PRODUCTION TAXES:

TAXES FOR	1994		GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	0.18	%
PROD. EQUIP.	NM	<u>0.22</u>	%
TOTAL		9.36	%

AVERAGE HEAT CONTENT

1,150 MMBtu / Mcf

WELL COST DATA:

AVERAGE WELL COST	\$	311.00	M
PAYOUT YEARS		9.03	

AVERAGE PRODUCT PRICING

PRICE/GAS \$ / MCF	YEAR
1.35	12/90
1.01	12/91
1.49	12/92
1.59	12/93
1.32	12/94
0.95	TO LIFE

#552

RETAIN FOR YOUR
FILES**MERIDIAN OIL**
A Subsidiary of BURLINGTON RESOURCES

January 25, 1996

Bureau of Land Management (3)
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands (2)
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501-1148

Oil Conservation Division (2)
State of New Mexico
2040 S. Pacheco
Santa Fe, NM 87505

JAN 29 1996

**RE: SAN JUAN 29-4 UNIT, #14-08-001-1055
RIO ARriba COUNTY, NEW MEXICO
1996 PLAN OF DEVELOPMENT**

Gentlemen:

By letter dated March 2, 1995, Meridian Oil Inc., as Unit Operator for the referenced Unit, filed the Plan of Development (POD) for the calendar year 1995. The POD provided for the drilling of no well.

The following Participating Areas currently exist in the unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Pictured Cliffs	6th	1-1-79
Mesaverde	4th	8-1-78

There are currently two (2) Pictured Cliffs/Fruitland commingle wells pending commerciality determination.

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits the following well be drilled for the 1996 Plan of Development:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 29-4 Unit #26	E/2 Sec. 31, T29N, R4W	Pictured Cliffs

The working interest owners are being contacted regarding the 1996 Plan of Development.

SJ 29-4 POD
January 25, 1996
Page 2

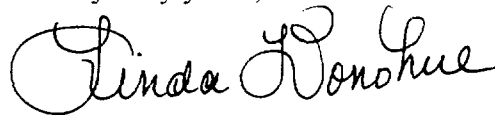
Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy to the undersigned.

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

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

Very truly yours,



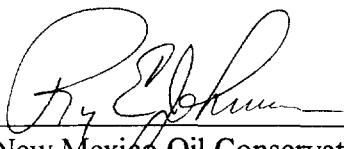
Linda Donohue
Senior Landman

LD/cj
Enclosures

File: SJ 29-4 Unit, 3.0 (1996)

1996 PLAN OF DEVELOPMENT

Bureau of Land Management



New Mexico Oil Conservation Division

Date

2-1-96

Date

N/A-for information only

New Mexico Commissioner of Public Lands

N/A

Date

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

EJE Brown Company

El Paso Production Company

Estate of Robert Critchfield

Harold O. Pool Irrevocable Trust

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Meridian Oil Production Inc.

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Kathleen Quinn

Thelma Pool Revocable Trust

Thomas A. Dugan

Timothy D. McCoy

Williams Production Company

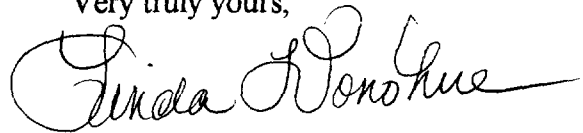
SJ 29-4 POD
March 2, 1995
Page 2

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy to the undersigned.

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

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

Very truly yours,



Linda Donohue
Senior Landman

LD/cj
ldplan95.3
Enclosures

File: SJ 29-4 Unit, 3.0 (1995)

1995 PLAN OF DEVELOPMENT

Bureau of Land Management

Date



New Mexico Oil Conservation Division

3-8-95

Date

N/A - For information only

New Mexico Commission of Public Lands

N/A

Date

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

EJE Brown Company

El Paso Production Company

Estate of Robert Critchfield

H. O. Pool Trust

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Meridian Oil Production Inc.

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Kathleen Quinn

Thomas A. Dugan

Timothy D. McCoy

Williams Production Company

MERIDIAN OIL

February 3, 1994

Oil Conservation Division

1994 8 35

Bureau of Land Management (3)
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands (2)
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501-1148

Oil Conservation Division (2)
State of New Mexico
P. O. Box 2088
Santa Fe, NM 87501-2088

552

**RE: SAN JUAN 29-4 Unit, #14-08-001-1055
RIO ARriba COUNTY, NEW MEXICO
1994 PLAN OF DEVELOPMENT**

Gentlemen:

By letter dated February 25, 1993, Meridian Oil Inc., as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1993. This program provided for the drilling of one Fruitland/Pictured Cliffs commingle well, which was drilled during 1993.

As of this date, the total number of wells in the San Juan 29-4 Unit are as follows:

Pictured Cliffs, Commercial	3
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Temporarily Abandoned	1
Pictured Cliffs Plugged/Fruitland Recompleted, Non-Commercial	1
Pictured Cliffs/Gallup Dual	1
Pictured Cliffs, Commercial/Gallup, Non-Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	1
Pictured Cliffs/Mesaverde, Plugged & Abandoned	1
Pictured Cliffs/Fruitland Commingle (Being Evaluated)	1
Mesaverde, Commercial	3
Mesaverde, Temporarily Abandoned	<u>1</u>
	14

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits the following well for the 1994 Plan of Development.

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 29-4 Unit #201	E/2 31-29N-4W	Fruitland/Pictured Cliffs Commingle

The working interest owners are being contacted regarding the 1994 Plan of Development.

Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.



Regulatory Agencies
February 3, 1994
page 2

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided below and return a copy to the undersigned.

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

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

Very truly yours,


Kent Beers
Attorney-in-Fact 


KB/LD/pr
ldjan.56
Enclosures

SJ 29-4 Unit, 3.0 (1994)

1994 PLAN OF DEVELOPMENT APPROVALS

Bureau of Land Management

Date



New Mexico Oil Conservation Division

2/14/94

Date

N/A-For Information Only

New Mexico Commissioner of Public Lands

N/A

Date

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Brown Company

El Paso Production Company

Kerr-McGee Corporation

Mr. Langdon D. Harrison

MAR Oil and Gas Corporation, Inc.

Mr. Timothy D. McCoy

Meridian Oil Production Inc.

Phillips Petroleum Company

H.O. Pool Trust

Max B. Rotholz

**Sunwest Bank of Albuquerque, N.A.
Agent for Kathleen Quinn**

Mr. Robert P. Tinnin

Williams Production Company

Ruth Zimmerman Trust

MERIDIAN OIL

OIL CONSERVATION DIVISION

RECEIVED FEB 25 1993 February 25, 1993

Bureau of Land Management (2)
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands (1)
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501-1148

Oil Conservation Division (1)
State of New Mexico
P. O. Box 2088
Santa Fe, NM 87501-2088

**RE: SAN JUAN 29-4 Unit, #14-08-001-1055
RIO ARriba COUNTY, NEW MEXICO
1993 PLAN OF DEVELOPMENT**

Gentlemen:

By letter dated February 27, 1992, Meridian Oil Inc., as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1992. This program provided for the drilling of no wells during 1992.

As of this date, the total number of wells in the San Juan 29-4 Unit are as follows:

Pictured Cliffs, Commercial	3
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Temporarily Abandoned.....	1
Pictured Cliffs Plugged/Fruitland Recompleted, Non-Commercial.....	1
Pictured Cliffs/Gallup Dual	1
Pictured Cliffs, Commercial/Gallup, Non-Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	1
Pictured Cliffs/Mesaverde, Plugged & Abandoned	1
Mesaverde, Commercial	3
Mesaverde, Temporarily Abandoned	1
	<u>13</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits the following well for the 1993 Plan of Development.

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 29-4 Unit #200	W/2 30-29N-4W	Fruitland/Pictured Cliffs Commingle

All of the working interest owners have been contacted and the necessary concurrence to propose the drilling of no wells during the calendar year 1993 has been received.

Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

Regulatory Agencies
February 25, 1993
Page 2

If this Plan of Development is acceptable, please advise of your approval in writing as required under Section 10 of the Unit Agreement. It is not necessary that we have a copy returned to us, so we are reducing the number of copies originally requested by one.

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

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

Very truly yours,

A handwritten signature in black ink, appearing to be 'Kent Beers', written over a horizontal line.

Kent Beers
Attorney-in-Fact

A circular stamp or mark, possibly a seal or a date stamp, located to the right of the signature.

KB/LD/pr
ID:ldfeb.44
Enclosures

San Juan 29-4 Unit, 3.0

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

**Jay I. Cohen, Trustee
the Abercrombie Trust**

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Brown Company

El Paso Production Company

Kerr-McGee Corporation

Mr. Langdon D. Harrison

MAR Oil and Gas Corporation, Inc.

Mr. Timothy D. McCoy

Phillips Petroleum Company

H.O. Pool Trust

Max B. Rotholz

**Sunwest Bank of Albuquerque, N.A.
Agent for Kathleen Quinn**

Mr. Robert P. Tinnin

Williams Production Company

Ruth Zimmerman Trust

OIL CONSERVATION DIVISION
RECEIVED

'92 DEC 1 PM 8 48

11592

San Juan 29-4 Unit
Fruitland Coal (PA)
3183.5 (019)

DEC 1 1992

Mr. John Zent
Meridian Oil Incorporated
P. O. Box 4289
Farmington, NM 87499-4289

Dear Mr. Zent:

We have reviewed your application for a non paying well determination in the Fruitland Coal Formation in the San Juan 29-4 Unit. Your application concerns No. 2 Unit well located in the W $\frac{1}{2}$ Section 35, T. 29 N., R. 4 W., Rio Arriba County, New Mexico. We concur with your findings that the well will not produce sufficient volumes of unitized substances to achieve pay out of the initial investment. Your application is hereby approved as submitted. Please continue to report production from the referenced well on a lease basis.

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

Sincerely,

/s/ John L. Keller

John L. Keller
Chief, Branch of Mineral Resources

2 Enclosures
1 - Original Application
2 - Engineering Report

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

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED

'92 MAR 23 AM 10 04

March 16, 1992

Bureau of Land Management (3)
Attn: Mr. Duane Spencer
1235 La Plata Highway
Farmington, NM 87401

Commissioner of Public Lands (2)
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87504-1148

New Mexico Oil Conservation Division (2)
Energy & Minerals Department
P.O. Box 2088
Santa Fe, NM 87504

RE: SAN JUAN 29-4 UNIT, #14-08-001-1055
Rio Arriba County, New Mexico
NOTICE OF NON-COMMERCIAL WELL
Fruitland Coal Formation

Gentlemen:

In accordance with Section 11a of the San Juan 29-4 Unit Agreement, approved September 9, 1953, Meridian Oil Inc., as Unit Operator, has determined that the following well is not capable of producing unitized substances in paying quantities from the Fruitland Coal formation:

SAN JUAN 29-4 UNIT #2

<u>DESCRIPTION</u>	<u>TRACT/ACRES</u> <u>LEASE NO.</u>	<u>TR. DESCRIPTION</u>	<u>COMP. DATE</u>
W/2 35-29N-4W 320.00	10/320.00 SF-079761	W/2	7-10-89

BLM

CPL

OCD

March 16, 1992

Page 2


SAN JUAN 29-4 UNIT
NON-COMMERCIAL DETERMINATION

The economics for the non-commercial determinations are outlined on the attached summary sheet for this well.

We would appreciate consideration of this non-commercial determination as soon as possible. Please contact Linda Donohue at (505) 326-9760 if there are any questions regarding this matter.

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

Yours very truly,



Kent Beers
Regional Land Manager

KB:MW/lr
ID#22/5-6

SJ 29-4, 4.5

COMMERCIALITY DETERMINATION

BLM DATA SHEET

FOR LEASE: SAN JUAN 29-4 UNIT

2

WELL INFORMATION:

LOCATION 029N004W35K
 COUNTY RIO ARriba
 STATE NM
 FORMATION BASIN FRUITLAND COAL
 OPERATOR MERIDIAN OIL INC
 SPUD DATE 09/10/53
 CMPL DATE 07/10/89
 1ST DLVRY 08/04/89
 GWI 100.00%
 NRI 87.50%

PRODUCTION TAXES:

		<u>GAS % OF REVENUE</u>
SEVERANCE	(NM)	3.75%
SCHOOL	(NM)	3.15%
AD VALOREM	(NM)	1.54%
CONSERVATION	(NM)	0.18%
PROD. EQUIP.	(NM)	0.28%
TOTAL		8.90%

WELL TEST DATA:

Date: 07/01/89
 WHSIP: 482 (PSIG)
 BHSIP: 533 (PSIG)

WELL COST DATA:

TOTAL WELL COST: 117.9 (M\$)
 PAYOUT YEARS: No Payout

AVERAGE PRODUCT PRICING:

\$1.46 (MCF) PRICE TO LIFE*

*Based on an average heating value of 1216 MMBTU/MCF.

ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

<u>YEARS</u>	EST. ANNUAL PRODUCTION <u>GAS (MMCF)</u>	<u>OIL (MBO)</u>	ANNUAL OPERATING EXPENSES* <u>(M\$)</u>
1989	1.6	0.0	0.9
1990	3.9	0.0	2.2
1991	3.9	0.0	2.2
1992	0.6	0.0	0.4

NOTE: Economics were run at a discount rate of 8.5%

*Base operating expenses were held flat.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Brown Company

El Paso Production Company

Kerr-McGee Corporation

Mr. Langdon D. Harrison

MAR Oil and Gas Corporation, Inc.

Mr. Timothy D. McCoy

Phillips Petroleum Company

H.O. Pool Trust

Max B. Rotholz

Sunwest Bank of Albuquerque, N.A.
Agent for Kathleen Quinn

Mr. Robert P. Tinnin

Williams Production Company

Ruth Zimmerman Trust

552

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

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

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2088

RE: SAN JUAN 29-4 UNIT, #14-08-001-1055
Rio Arriba County, New Mexico
1992 Plan of Development

By letter dated February 26, 1991, El Paso Natural Gas Company, as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1991. This program provided for the drilling of no wells during 1991.

Pictured Cliffs, Commercial	3
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Temporarily Abandoned	1
Pictured Cliffs Plugged/Fruitland Recompleted, Being Evaluated	1
Pictured Cliffs/Gallup Dual	
Pictured Cliffs, Commercial/Gallup, Non-Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	1
Pictured Cliffs/Mesaverde, Plugged & Abandoned	1
Mesaverde, Commercial	3
Mesaverde, Temporarily Abandoned	<u>1</u>
	13

Regulatory Agencies
February 27, 1992
Page Two

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, Meridian Oil Inc, as Unit Operator, hereby submits that no wells be drilled during 1992.



All of the working interest owners have been contacted and the necessary concurrence to propose the drilling of no wells during the calendar year 1992 has been received.

Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

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

Very truly yours,


Kent Beers
Attorney-in-Fact 

KB:LD/lr
IDreg/7-9
Enclosures


San Juan 29-4 Unit, 3.0

APPROVED: _____
Bureau of Land Management
(Subject to like approval by
the Oil Conservation Division)

DATED: _____

APPROVED: N/A for Information Only
Commissioner of Public Lands

DATED: N/A

APPROVED: 
Oil Conservation Division
(Subject to the like approval
by the Bureau of Land Management)

DATED: 3-6-92

The foregoing approvals for the 1992 Plan of Development for the
San Juan 29-4 Unit, #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Brown Company

El Paso Production Company

Kerr-McGee Corporation

Mr. Langdon D. Harrison

MAR Oil and Gas Corporation, Inc.

Mr. Timothy D. McCoy

Phillips Petroleum Company

H.O. Pool Trust

Max B. Rotholz

Sunwest Bank of Albuquerque, N.A.
Agent for Kathleen Quinn

Mr. Robert P. Tinnin

Williams Production Company

Ruth Zimmerman Trust

#552

RESIGNATION OF UNIT OPERATOR AND
DESIGNATION OF SUCCESSOR UNIT OPERATOR

San Juan 29-4 Unit Area
County of Rio Arriba, State of New Mexico
No. 14-08-001-1055

THIS INDENTURE, dated as of the 29th day of April, 1991, by and between El Paso Natural Gas Company, operator and owner of unitized working interest, (hereinafter called "EPNG") and Meridian Oil Inc., successor operator and owner of unitized working interest, (hereinafter called "Meridian").

W I T N E S S E T H:

WHEREAS, under the provisions of the Act of February 25, 1920, 41 Stat. 437, 30 U.S.C. §§181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 9th day of September, 1953, approved the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area, wherein EPNG is designated as Unit Operator; and

WHEREAS, under the provisions of an Act of Legislature (§1, Chap. 162, Laws of 1951, and §§ 1 and 2, Chap. 176, Laws of 1961, Sec. Chap.7, Article 11, §§39, 40 and 41, New Mexico Statutes 1953 Annotated) (Now being Chap. 29, Article 10, §§ 45, 46 and 47 New Mexico Statutes Annotated 1978 Com.) the Commissioner of Public Lands on the N/A day of N/A, approved a Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area, wherein EPNG is designated as Unit Operator; and

WHEREAS, EPNG has resigned as Unit Operator, and the designation of a successor Unit Operator is now required pursuant to the terms thereof; and


WHEREAS, in accordance with the terms and provisions of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area, EPNG has procured the necessary consent from working interest owners and regulatory agencies, and Meridian has procured the necessary consent from said owners to replace EPNG as Operator of the San Juan 29-4 Unit.

NOW, THEREFORE, effective May 1, 1991, EPNG hereby resigns as Unit Operator under the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area and Meridian hereby covenants and agrees to fulfill the duties and assume the obligations of Unit Operator and pursuant to all the terms of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area, and EPNG covenants and agrees that, upon approval of this indenture by the Authorized Officer in the proper BLM office and the Commissioner of Public Lands, Meridian shall be granted the exclusive right

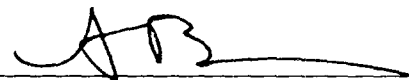
and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said Unit Agreement; and said Unit Agreement being hereby incorporated by references and made a part hereof as fully and effectively as though said Unit Agreement were expressly set forth in this instrument.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

Unit Operator and Working Interest Owner
El Paso Natural Gas Company

By: 
Kent Beers
Attorney-in-fact

Successor Unit Operator and Working
Interest Owner, Meridian Oil Inc.

By: 
Kent Beers
Attorney-in-Fact

ACKNOWLEDGMENTS

STATE OF NEW MEXICO)
) ss.
COUNTY OF SAN JUAN)

The foregoing instrument was acknowledged before me this 29th day of April, 1991, by Kent Beers, as Attorney-in-fact on behalf of El Paso Natural Gas Company.

Laura Larson
Notary Public

My commission expires:

January 8, 1995

STATE OF NEW MEXICO)
) ss.
COUNTY OF SAN JUAN)

The foregoing instrument was acknowledged before me this 29th day of April, 1991, by Kent Beers, as Attorney-in-fact on behalf of Meridian Oil Inc.

Laura Larson
Notary Public

My commission expires:

January 8, 1995

RESIGNATION OF UNIT OPERATOR AND DESIGNATION OF SUCCESSOR UNIT OPERATOR
SAN JUAN 29-4 UNIT AREA.

El Paso
Natural Gas Company

RECEIVED
FEB 29 1991
H 9 20

P.O. Box 4289
Farmington, New Mexico 87499-4289
Phone: 505-326-9700

February 26, 1991

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

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

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501-2088

RE: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1991 Plan of Development

Gentlemen:

By letters dated February 28, 1990, El Paso Natural Gas Company, as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1990. This program provided for the drilling of six (6) wells in 1990. None of the following wells were drilled and should be cancelled from the Plan of Development:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 29-4 Unit #103	W/2 05-29N-4W	Fruitland Coal
San Juan 29-4 Unit #104	E/2 06-29N-4W	Fruitland Coal
San Juan 29-4 Unit #107	E/2 08-29N-4W	Fruitland Coal
San Juan 29-4 Unit #108	W/2 08-29N-4W	Fruitland Coal
San Juan 29-4 Unit #111	E/2 18-29N-4W	Fruitland Coal
San Juan 29-4 Unit #113	E/2 33-29N-4W	Fruitland Coal

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Fruitland, Being Evaluated	
Pictured Cliffs, Commercial	3
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Temporarily Abandoned	1
Pictured Cliffs Plugged/Fruitland Recompleted, Being Evaluated	1
Pictured Cliffs/Gallup Dual	
Pictured Cliffs, Commercial/Gallup, Non-Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	1
Pictured Cliffs/Mesaverde, Plugged	1
Mesaverde, Commercial	3
Mesaverde, Temporarily Abandoned	1
	<u>13</u>

Regulatory Agencies
February 26, 1991
Page Two

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits no wells for the 1991 Plan of Development.



El Paso Natural Gas Company has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of no wells during the calendar year 1991.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

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

Very truly yours,


Kent Beers
Attorney-in-Fact 

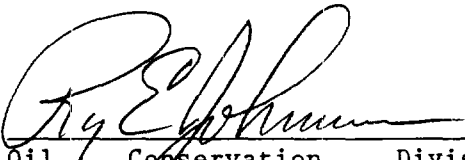
KB/LD/sf
ID.#243+11
Enclosures
San Juan 29-4 Unit, 3.0

APPROVED: _____
Bureau of Land Management
(Subject to like approval by
the Oil Conservation Division)

DATED: _____

APPROVED: N/A for Information Only
Commissioner of Public Lands

DATED: N/A

APPROVED: 
Oil Conservation Division
(Subject to like approval by
the Bureau of Land Management)

DATED: 3-6-91

The foregoing approvals for the 1991 Plan of Development for the San Juan 29-4 Unit, #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
for the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Company

Kerr-McGee Corporation

Langdon D. Harrison, d/b/a Harrison Gas Company

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

H.O. Pool Trust

Sunwest Bank of Albuquerque,
Agent for Kathleen Quinn

United Western Energy Corp.

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth Zimmerman Trust

MERIDIAN OIL

90 MAR 30 AM 9 19

March 28, 1990

Bureau of Land Management
Attention: Mr. John Keller
1235 La Plata Highway
Farmington, New Mexico 87401

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1990 Plan of Development

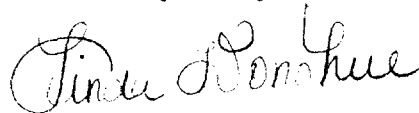
Gentlemen:

The Plan of Development for the San Juan 29-4 Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management	March 15, 1990
Oil Conservation Division	March 6, 1990

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,



Linda Donohue
Petroleum Landman

LD:jf

Attachments

Doc. 18+

San Juan 29-4, 3.0

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
for the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Kerr-McGee Corporation

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Sunwest Bank of Albuquerque,
Agent for Kathleen Quinn

United Western Energy Corp.

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth Zimmerman

El Paso
Natural Gas Company

RECEIVED
DIVISION
'90 MAR 5 AM 10 14

3535 East 30th Street
P.O. Box 4289
Farmington, N.M. 87499-4289
Phone: 505-326-9700

February 28, 1990

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

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

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1990 Plan of Development

Gentlemen:

By letter dated February 28, 1989, El Paso Natural Gas Company, as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1989. This program provided for the drilling of no wells in 1989.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs, Commercial	3
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Temporarily Abandoned	1
Pictured Cliffs Plugged/Fruitland Recompleted, Being Evaluated	1
Pictured Cliffs/Gallup Dual	
Pictured Cliffs, Commercial/Gallup, Non-Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	1
Pictured Cliffs/Mesaverde, Plugged	1
Mesaverde, Commercial	3
Mesaverde, Temporarily Abandoned	<u>1</u>
	13

February 28, 1990

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits the following wells for the 1990 Plan of Development.

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 29-4 Unit #103	W/2 5-29N-4W	Fruitland Coal
San Juan 29-4 Unit #104	E/2 6-29N-4W	Fruitland Coal
San Juan 29-4 Unit #107	E/2 8-29N-4W	Fruitland Coal
San Juan 29-4 Unit #108	W/2 8-29N-4W	Fruitland Coal
San Juan 29-4 Unit #111	E/2 18-29N-4W	Fruitland Coal
San Juan 29-4 Unit #113	E/2 33-29N-4W	Fruitland Coal

El Paso Natural Gas Company has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the above listed wells during the calendar year 1990.


El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

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

Very truly yours



Kent Beers
Attorney-in-Fact 

KB:LD:jf

Enclosures

San Juan 29-4 Unit, 3.0

85+

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

Kerr-McGee Corporation

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Sunwest Bank of Albuquerque, N.A.
Agent for Kathleen Quinn

United Western Energy Corporation

Max B. Rotholz

Mr. Robert P. Tinnin

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown


Ruth Zimmerman

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

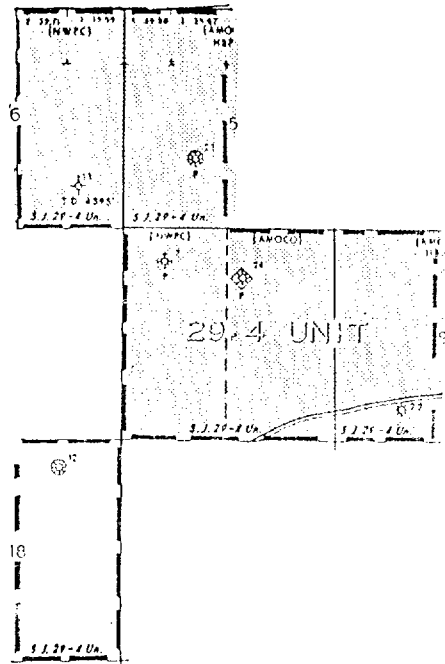
DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

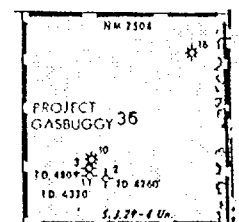
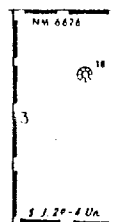
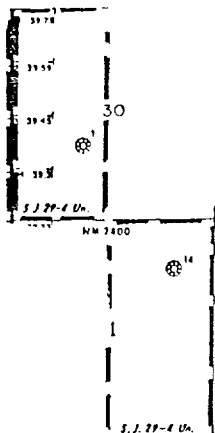
DATED: 3-6-90

The foregoing approvals for the 1990 Plan of Development for the San Juan 29-4 Unit, #14-08-001-1055, Rio Arriba County, New Mexico.

R 4 W



T
29
N



SAN JUAN 29-4 UNIT

☼ Pictured Cliffs

☼ Chacra

☼ Mesaverde

◆ Gallup

☒ Dakota



PICTURED CLIFFS PARTICIPATING AREA
6th Expansion Effective 1/1/79



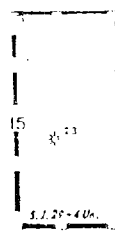
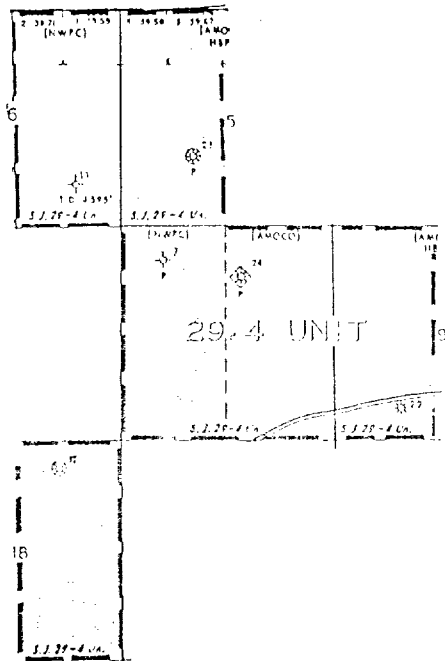
OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL

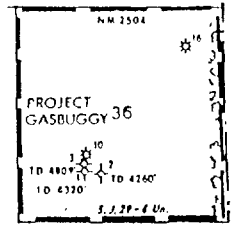
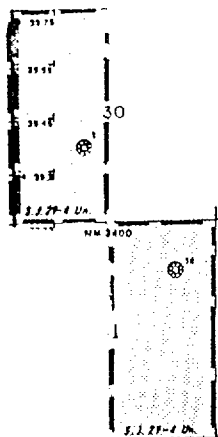
LAND DEPARTMENT

March 1, 1990

R 4 W



T
29
N



SAN JUAN 29-4 UNIT

☼ Pictured Cliffs

☼ Chacra

☼ Mesaverde

◆ Gallup

☼ Dakota



MESAVERDE PARTICIPATING AREA
4th Expansion Effective 8/1/78



OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL

LAND DEPARTMENT

March 1, 1990

El Paso
Natural Gas Company

OIL CONSERVATION DIVISION
RECEIVED

'89 NOV 30 AM 9 50

3535 East 30th Street
P.O. Box 4289
Farmington, New Mexico 87499-4289
Phone: 505-326-9700
November 28, 1989

Bureau of Land Management
Attention: Mr. John Keller
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

Re: San Juan 29-4 Unit, (UA) 3160 (019)
NON-COMMERCIAL WELL DETERMINATION
Gallup Formation
Rio Arriba County, New Mexico

Gentlemen:

In accordance with Section 11B of the referenced unit agreement, approved April 21, 1953, El Paso Natural Gas Company, as unit operator, has determined that the following described well is not capable of producing unitized substances in order to create the Gallup Participating Area:

San Juan 29-4 Unit #24, Tract No. 4A, SF-079757-A

This well is located 1220' FNL, 2250' FEL Section 8, Township 29 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. The well was spudded October 26, 1981 and completed in the Undesignated Gallup formation June 1, 1982. The Gallup formation was perforated at the following depths:
7838-7852', 7869-7938', 7946-7968', 7973-8009', with 2 spf, a total of 282.38" holes. 7602-7644', 7693-7715', with 2 spf, a total of 128.38" holes.

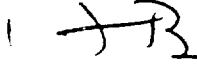

A copy of the completion reports and production history are attached for your reference. This well was completed in the Pictured Cliffs, Gallup and Dakota formations at a total gross cost of \$1,750,000. It is estimated that \$600,000 of the total cost is attributable to the Gallup formation.

The well is currently producing at a rate of 38 Mcf/d.

Based upon the above information it is recommended that this well be deemed non-commercial for unit purposes. If you concur we would appreciate you advising of such approval on the attached letter ballot.

This letter is being furnished on the San Juan 29-4 Unit working interest owners on the attached sheet.

Very truly yours,


Kent Beers
Attorney-in-Fact 

KB:LD:jf

Attachment

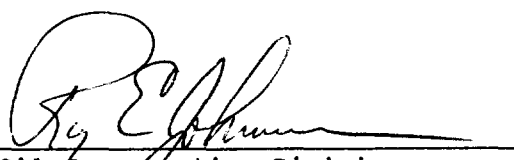
San Juan 29-4, 4.4

APPROVED: Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: N/A (sent for information only)
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED: 
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 12-4-89

The foregoing approvals for non-commercial well determination for the San Juan
29-4 Unit (#24), (UA) 3160 (019), Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

Kerr-McGee Corporation

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Sunwest Bank of Albuquerque, N.A.
Agent for Kathleen Quinn

United Western Energy Corporation

Max B. Rotholz

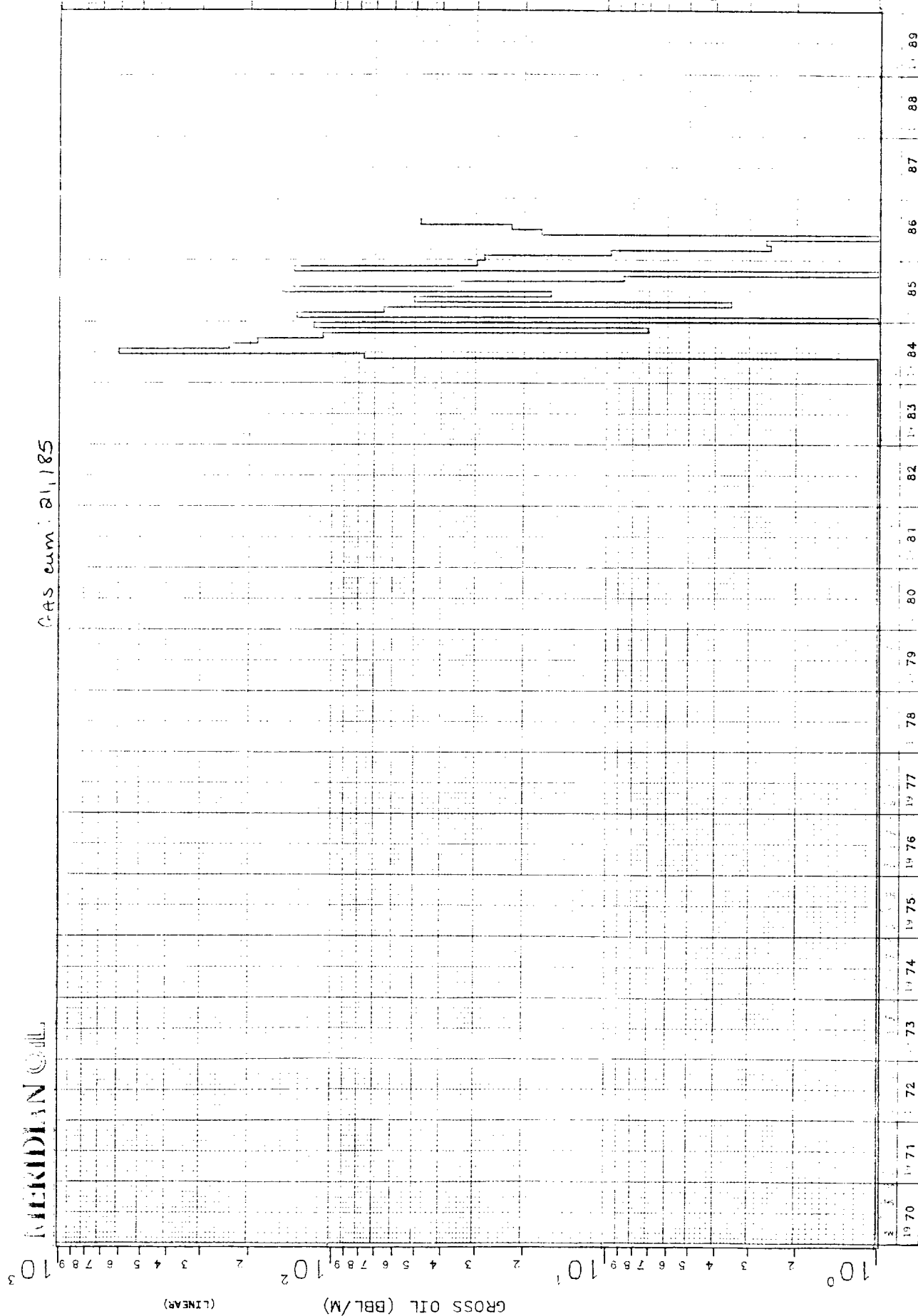
Mr. Robert P. Tinnin

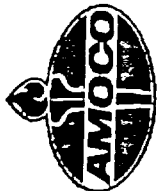
EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Ruth Zimmerman

PROJECT : NEW MEXICO
 STATE : RIO ARriba
 COUNTY : 8B29N 4W
 LOCATION : 0000002-A
 PAGE NUMBER :

DWIGHTS NUMBER : 30429N04W08B00GP
 LEASE/WELL NAME : SAN JUAN 29 4 UNIT
 RESERVOIR :
 FIELD : RIO ARriba UNDES GALLUP (GAS)
 OPERATOR : EL PASO NATURAL GAS CO

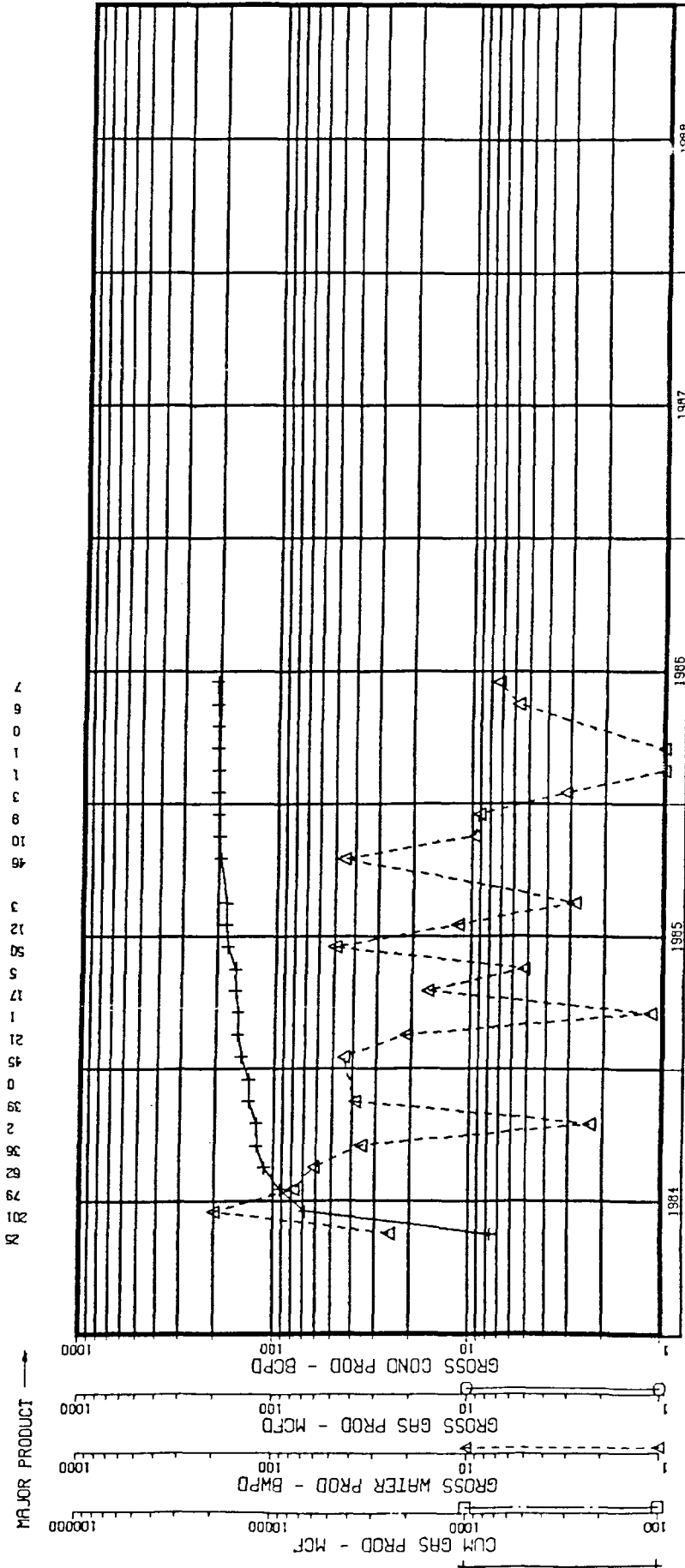
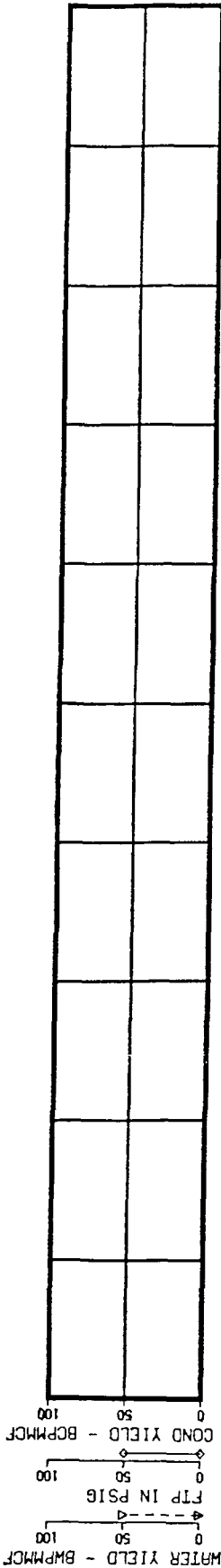




INDUSTRY PRODUCTION DATA RATE-TIME PLOTS

GAS
WELL: SAN JUAN 29 4 UNIT 000024
FIELD: RIO ARriba UNDES GALLUP (GAS) GP
OPERATOR: EL PASO NATURAL GAS CO 213700
STATE: NM 30 COUNTY: RIO ARriba
FIRST PROD 84 05 LAST PROD 88 06
REQUESTOR: FOUNTAIN-BINF40 LOCATION: DENVER

API NO: 300390000000 GENID: 5WG36084
LOCATION: 08B029N004W
COMP DATE:
039 TOT. GAS CUM: 20,708
TOT. OIL CUM:
PERFS:



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. ☐ Oil well ☐ ☒ ^{SPS} well ☐ other

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
501 Airport Drive, Farmington, NM 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1220' FNL x 2250' FEL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>

(other) Completion & Testing of Gallup

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Completion operations commenced 5-17-82. Total depth is 8935' and plugback depth is 8726'. Set drillable bridge plug at 8100' and pressure tested to 4500 PSI. Perforate 8009'-7973'; 7968'-7946'; 7938'-7869'; and 7852'-7838' with 2 SPF, a total of 282, .38" holes. Frac with 106,000 gallons of 30# gelled water and 133,000# of 20-40 sand. Set a retrievable bridge plug at 7790' and pressure test TO 4500 PSI for 5 minutes. Perforate intervals 7715'-7693'; 7644'-7602' with 2 SPF, a total of 128, .38" holes. Frac with 61,000 gallons of 30# gelled water and 71,000# of 20-40 sand. Retrieve bridge plug at 7790' and land 2-3/8" tubing at 8005'. Flow test the Gallup. Release the rig on 6-1-82.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Original Signed By
B.T. Roberson TITLE Admin. Supvr DATE 6-17-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

5. LEASE
SF-079757A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
San Juan Unit 29-4

8. FARM OR LEASE NAME

9. WELL NO.
24

10. FIELD OR WILDCAT NAME
Undes. Gallup/Gobernador P. C.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/4, NE/4, Section 8, T29N R4W

12. COUNTY OR PARISH | 13. STATE
Rio Arriba | New Mexico

14. API NO.
30-039-22844

15. ELEVATIONS (SHOW DF, KDS, AND WD)
7406' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Special						Test Date 6-15-82			
Company Amoco Production Company				Connection Northwest Pipeline Corporation					
Pool Undesignated				Formation Gallup				Unit	
Completion Date 6-1-82		Total Depth 8935		Plug Back TD 8726		Elevation 7406 GL		Farm or Lease Name San Juan 29-4	
Csg. Size 7.000 4.500	Wt. 23 11.6	d 6.366 4.000	Set At 8935	Perforations: From 7838 To 8009		Well No. 24			
Tub. Size 2.375	Wt. 4.7	d 1.995	Set At 8005	Perforations: From open To ended		Unit Sec. Twp. Rge. B 8 29N 4W			
Type Well - Single - Bradenhead - G.G. or C.O. Multiple Single						Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Cq	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days						1880		2350	
1.	2.375		.750				97		417	3 hrs
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow O. Mcfd
1	12.365		109	1.000	.9258	1.012	1263
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Abbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		429	184041	5395003	1.0341	1.0255
2						
3						
4						
5						

Absolute Open Flow _____ 1295 _____ Mcfd @ 15.025				Angle of Slope θ _____		Slope, n _____ .75	
---	--	--	--	------------------------	--	--------------------	--

Remarks: Drillable Bridge Plug at 8100 ft. Liner & Casing set at 4615 & 4451	
---	--

Approved by Division	Conducted By: I. I. Barnett	Calculated By: I. I. Barnett	Checked By:
----------------------	--------------------------------	---------------------------------	-------------

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

SF-079757A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan Unit 29-4

8. FARM OR LEASE NAME

9. WELL NO.

24

10. FIELD AND POOL, OR WILDCAT

Undesignated Gallup

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NW/4, NE/4, Section 8,
T29N, R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. LEVEL ☐ Other _____

2. NAME OF OPERATOR

Amoco Production Company

3. ADDRESS OF OPERATOR

501 Airport Dr., Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1220' FNL x 2250' FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

13. DATE SPudded

10-26-81

16. DATE T.D. REACHED

11-21-81

17. DATE COMPL. (Ready to prod.)

6-1-82

15. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

7420' RKB

19. ELEV. CASINGHEAD

7406' GL

20. TOTAL DEPTH, MD & TVD

8935'

21. PLUG, BACK T.D., MD & TVD

8726'

22. IF MULTIPLE COMPL. HOW MANY*

3

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0 - TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

7602 - 8009' Gallup

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL-GR-SP FDC-CNL-CR

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40# & 36#	328'	12-1/4"	350 SX	
7"	23#	4615'	8-3/4"	750 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	4451'	8935'	515 SX	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	8005'	

31. PERFORATION RECORD (Interval, size and number)

7838-7852', 7869-7938', 7946-7968', 7973-8009', with 2 spf, a total of 282 .38" holes. 7602-7644', 7693-7715', with 2 spf, a total of 128 .38" holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7838-8009'	105,000 gallons of frac fluid and 133,000# 20-40 sand.
7602-7715'	61,000 gallons of frac fluid and 71,000# 20-40 sand.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-14-82		Flowing				Shut-In	
DATE TESTED	HOURS TESTED	TEST DEPTH	TEST PERIOD	OIL—PSI	GAS—MCF	WATER—PSI	TEST WITNESSED BY
6-15-82	3 hrs	.75"	→	--	158	--	--
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—PSI	GAS—MCF	WATER—PSI	OIL GRAVITY-API (CORR.)	
97 psig	417 psig	→	--	1263	--	--	

34. DISPOSITION OF LOGS (Sold, used for fuel, vented, etc.)

To be sold.

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

E.L. ROBERTS

TITLE Administrative Supervisor

DATE 6-24-82

*(See Instructions and Spaces for Additional Data on Reverse Side)

RECEIVED
DIVISION
MERIDIAN OIL INC. MAR 5 AM 9 47

#552

February 27, 1990

Bureau of Land Management
Attention: Mr. John Keller
1235 La Plata Highway
Farmington, New Mexico 87401

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico 87501-2088

Re: San Juan 29-4 Unit, 14-08-001-1055
Rio Arriba County, New Mexico
NON-COMMERCIAL WELL DETERMINATION
Gallup Formation

Gentlemen:

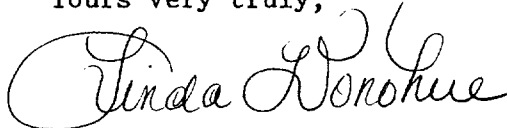
This is to advise that the San Juan 29-4 Unit #24, NW/4 NE/4 Section 8, T29N, R4W, has been determined non-commercial in the Gallup formation for unit purposes on the following dates:

Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Division

February 9, 1990
N/A - Information Only
December 4, 1989

A copy of this letter is being forwarded to the San Juan 29-4 Unit owners for their files.

Yours very truly,



Linda Donohue
Petroleum Landman

LD:jf
Attachments
Doc. 18+
San Juan 29-4, 4.2.1

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

Kerr-McGee Corporation

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Sunwest Bank of Albuquerque, N.A.
Agent for Kathleen Quinn

United Western Energy Corporation

Max B. Rotholz

Mr. Robert P. Tinnin

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Ruth Zimmerman

February 28, 1989

Bureau of Land Management
South Central Region
435 Montano, N.E.
Albuquerque, NM 87107

Oil Conservation Division
State of New Mexico
P.O. Box 2088
Santa Fe, NM 87501

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

#552

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1989 Drilling Program

Gentlemen:

By letter dated February 18, 1988, El Paso Natural Gas Company, as Unit Operator, for the San Juan 29-4 Unit, filed a Drilling Program for the calendar year 1988. This program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs, Commercial	6
Pictured Cliffs, Non-Commercial	1
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Plugged & Abandoned	1
Pictured Cliffs/Mesaverde Duals, Commercial	1
Pictured Cliffs/Mesaverde Duals, Disconnected	1
Pictured Cliffs/Mesaverde Duals, Plugged and abandoned	1
Mesaverde, Commercial	3
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	<u>4</u>

20

El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1989.

February 28, 1989

All working interest owners have been contacted regarding this Drilling Program. El Paso Natural Gas Company and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary to desirable by the Unit Operator and working interest owners.

Attached are Participating Area Maps for the Pictured Cliffs and Mesaverde formations. The geologic interpretation for each formation has not changed since the last map submitted. Performance curves for each Participating Area have also previously been furnished.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned.

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

Yours very truly



Alan Alexander
Attorney-in-Fact



AA:VLG:gm
Enclosures
San Juan 29-4 Unit, 3.0
Doc. 180+

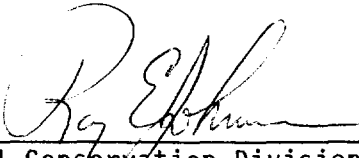
cc: Mr. Antonio Martinez, Executive Director
New Mexico Oil & Gas Accounting Division
P.O. Box 2308
Santa Fe, NM 87501

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 3-20-89

The foregoing approvals are for the 1989 Drilling Program for the San Juan
29-4 Unit, #14-08-001-1051, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
for the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Mrs. Joe Quinn

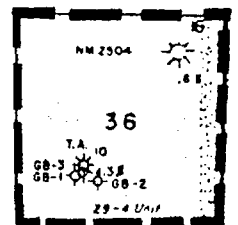
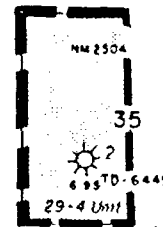
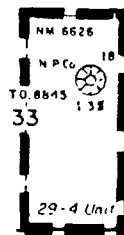
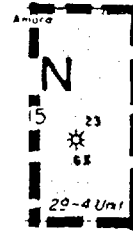
Richardson, Meier, McKenzie & Assoc., P.C.

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth Zimmerman

T
29
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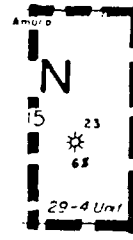
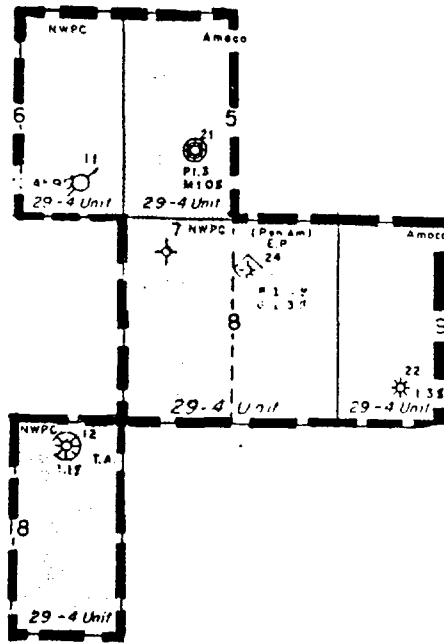
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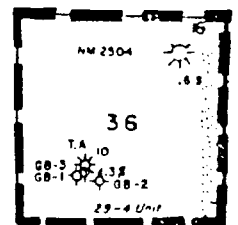
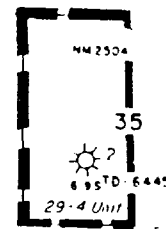
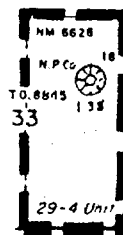
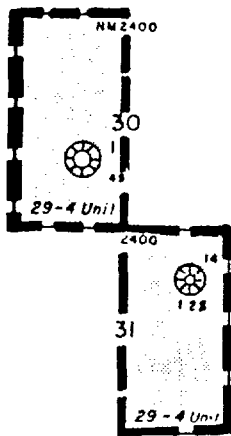


LAND DEPARTMENT
February 28, 1989

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SAN JUAN 29-4 UNIT

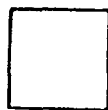
☼ Pictured Cliffs

☼ Chacra

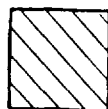
☼ Mesaverde

◈ Gallup

◈ Dakota



MESAVERDE PARTICIPATING AREA
4th Expansion Effective 8/1/78



OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL

LAND DEPARTMENT

February 28, 1989

MERIDIAN OIL

June 2, 1988

Bureau of Land Management
South Central Region
435 Montano N. E.
Albuquerque, New Mexico 87197

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1988 Drilling Program

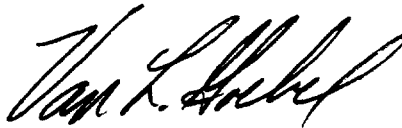
Gentlemen:

The 1988 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management	5-26-88
Commissioner of Public Lands	N/A
Oil Conservation Division	2-26-88

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,



Van L. Goebel
Senior Landman

VLG:gm

San Juan 29-4 Unit, 3.0
Document #30+

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
for the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Mrs. Joe Quinn

Mr. Robert P. Tinnin

United Western Energy Corporation

Ruth Zimmerman

552

San Juan 29-4 (POD)
3180 (015)

MAY 27 1988

El Paso Natural Gas Company
ATTN: James R. Permenter
P.O. Box 4269
Farmington, NM 87499

Gentlemen:

Three approved copies of your 1988 Plan of Development for the San Juan 29-4 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of no wells during CY 1988 was approved this date subject to like approval by the appropriate officials of the State of New Mexico.

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

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

All plans of development are to be filed in triplicate.

The possibility might exist of drainage by wells outside of the unit boundary. You will be contacted at a later date about this possibility.

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

Sincerely,

(Orig. Signed) - Sid Vogel/pohl

Assistant District Manager
Mineral Resources

Enclosure

cc:

NM-019

✓ NMOCD, Santa Fe w/o encl.

015:GKeller:ja:5/18/88:0057M



P. O. BOX 4289
FARMINGTON, NEW MEXICO 87401
PHONE 505-325-2841

February 18, 1988

Bureau of Land Management
South Central Region
435 Montano N.E.
Albuquerque, New Mexico 87197

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1988 Drilling Program

Gentlemen:

By letter dated August 26, 1987, El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed a Drilling Program for the calendar year 1987. This program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs, Commercial	6
Pictured Cliffs, Non-Commercial	1
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Plugged & Abandoned	1
Pictured Cliffs/Mesaverde Duals, Commercial	1
Pictured Cliffs/Mesaverde Duals, Disconnected	1
Pictured Cliffs Mesaverde Duals, Plugged & Abandoned	1
Mesaverde, Commercial	3
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	<u>4</u>
	20

El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1988.

February 18, 1988

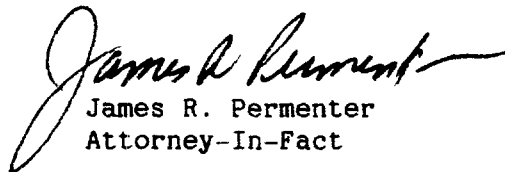
All working interest owners have been contacted regarding this Drilling Program. Meridian Oil, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to this office.

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

Very truly yours,



James R. Permenter
Attorney-In-Fact

JRP:tlm
Enclosure
San Juan 29-4 Unit, 3.0
Doc. #0033L

xc: Commissioner of Public Lands (Information Only)
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
for the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Mrs. Joe Quinn


Mr. Robert P. Tinnin

United Western Energy Corporation

Ruth Zimmerman

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
the Oil Conservation Division)

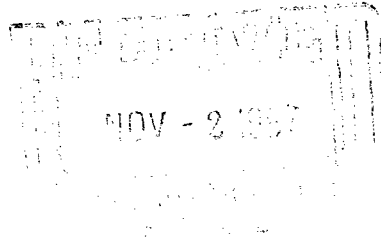
DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management)

DATED: 2-26-88

The foregoing approvals are for the 1988 Drilling Program for the
San Juan 29-4 Unit, #14-08-001-1051, Rio Arriba County, New Mexico.

MERIDIAN OIL



October 28, 1987

Bureau of Land Management
South Central Region
435 Montano N. E.
Albuquerque, New Mexico 87107

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
1987 Drilling Program
Rio Arriba County, New Mexico

Gentlemen:

The 1987 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management
Oil Conservation Division

10-21-87
09-30-87

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,

Van L. Goebel
Landman

VLG:gm
San Juan 29-4 Unit, 3.0
Doc. #0325L

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
for the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Mrs. Joe Quinn

Mr. Robert P. Tinnin

United Western Energy Corporation

Ruth Zimmerman

OCT 20 1987

San Juan 29-4 (POD)
3180 (015)

El Paso Natural Gas Company
ATTN: James R. Permenter
P.O. Box 4289
Farmington, NH 87499

Gentlemen:

Two approved copies of your 1987 Plan of Development for the San Juan 29-4 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of no wells was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

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

Sincerely,

(Orig. Signed) - Sid Vogelwohl

Assistant District Manager
Mineral Resources

Enclosure

cc:

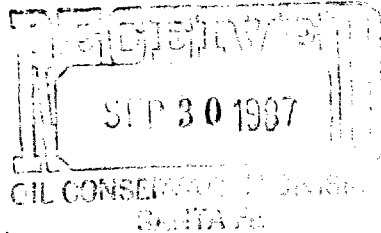
NMOCB, Santa Fe *w/o encls.*

NM-016

015:GKeller:rvh:10/16/87:3569M

El Paso
Natural Gas Company

P. O. BOX 4289
FARMINGTON, NEW MEXICO 87499
PHONE: 505-325-2341



August 26, 1987

Bureau of Land Management
South Central Region
435 Montano N.E.
Albuquerque, New Mexico 87197

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

By letter dated February 24, 1986, El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed a Drilling Program for the calendar year 1986. This program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs, Commercial	6
Pictured Cliffs, Non-Commercial	1
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Plugged & Abandoned	1
Pictured Cliffs/Mesaverde Duals, Commercial	1
Pictured Cliffs/Mesaverde Duals, Disconnected	1
Pictured Cliffs Mesaverde Duals, Plugged & Abandoned	1
Mesaverde, Commercial	3
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	<u>4</u>

20

El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1987.

August 26, 1987

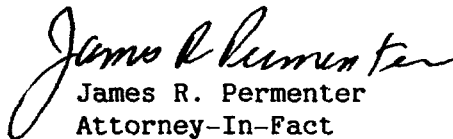
All working interest owners have been contacted regarding this Drilling Program. Meridian Oil, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to this office.

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

Very truly yours,

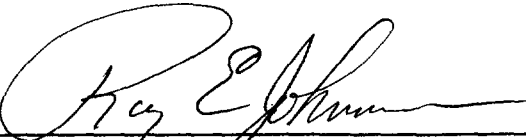

James R. Permenter
Attorney-In-Fact

JRP:LD:gm
Enclosure
San Juan 29-4 Unit, 3.0
Doc. #0033L

xc: Commissioner of Public Lands (Information Only)
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
the Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management)

DATED: 9-30-87

The foregoing approvals are for the 1987 Drilling Program for the
San Juan 29-4 Unit, #14-08-001-1051, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee
for the Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

EJE Company
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Mrs. Joe Quinn

Mr. Robert P. Tinnin

United Western Energy Corporation

Ruth Zimmerman

MERIDIAN OIL

#552

February 20, 1987

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

By letter dated February 24, 1986, Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed a Drilling Program for the calendar year 1986. This program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs, Commercial	6
Pictured Cliffs, Non-Commercial	1
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Plugged & Abandoned	1
Pictured Cliffs/Mesaverde Duals, Commercial	1
Pictured Cliffs/Mesaverde Duals, Disconnected	1
Pictured Cliffs Mesaverde Duals, Plugged & Abandoned	1
Mesaverde, Commercial	3
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	<u>4</u>

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Meridian Oil, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1987.

February 20, 1987

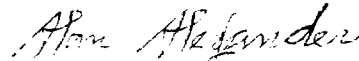
All working interest owners have been contacted regarding this Drilling Program. Meridian Oil, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

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

Very truly yours,



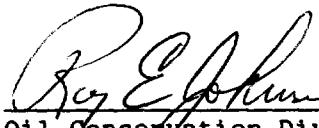
Alan Alexander
District Land Manager *JA*

AA:LD:tlm
Enclosure
San Juan 29-4 Unit, 3.0
Doc. #0356L

xc: Commissioner of Public Lands (Information Only)
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
the Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management)

DATED: 2-24-87

The foregoing approvals are for the 1987 Drilling Program for the
San Juan 29-4 Unit, #14-08-001-1051, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Jay I. Cohen, Trustee John Rice &
Dorothy Dick Abercrombie Trust

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Mrs. Joe Quinn

Mr. Robert P. Tinnin

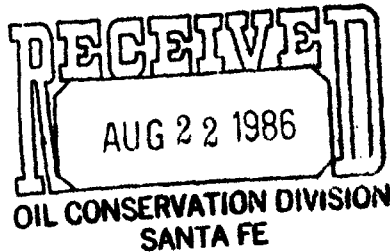
United Western Energy Corporation

EJE Company

Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

Ruth Zimmerman

MERIDIAN OIL



August 19, 1986

Bureau of Land Management
South Central Region
Attention: District Manager
435 Montano Road, N.E.
Albuquerque, New Mexico 87107

Commissioner of Public Lands
Attention: Mr. Pete Martinez
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Attention: Mr. David Catanach
Post Office Box 2088
Santa Fe, New Mexico 87504-2088

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

By Conveyance dated July 16, 1986, El Paso Natural Gas Company conveyed all of its rights in various leases, lands and wells to El Paso Production Company. Included in these properties were all of Gas Company's rights in the referenced Unit.


Meridian Oil Inc. is in the process of replacing El Paso Natural Gas Company as operator of the wells and units (including the San Juan 29-4 Unit) transferred by the Conveyance of July 16, 1986, and will operate these properties on behalf of El Paso Production Company.

El Paso Natural Gas Company and Meridian Oil Inc. are wholly owned subsidiaries of Burlington Northern, Inc., and El Paso Production Company is a wholly owned subsidiary of El Paso Natural Gas Company.

All correspondence pertaining to the referenced unit should be directed to the same individuals at the same addresses as in the past. If you have any questions or comments concerning this matter, or this letter, please contact the undersigned.

Copies of this letter are being sent to the working interest owners of the above referenced unit.

Yours very truly,


Alan Alexander
District Land Manager

AA/tlm
San Juan 29-4 Unit, 5.0
Doc. #0794L

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Jay I. Cohen, Trustee Abercrombie Trust

Amoco Production Company

Estate of Robert Critchfield

Mr. & Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the H. O. Pool Trust

Mrs. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

EJE Company

Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

United Western Energy Corporation

MERIDIAN OIL

#552

February 24, 1986

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1986 Drilling Program

Gentlemen:

By letter dated February 26, 1985, El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed a Drilling Program for the calendar year 1985. This program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs, Commercial	6
Pictured Cliffs, Non-Commercial	1
Pictured Cliffs, Disconnected	1
Pictured Cliffs, Plugged & Abandoned	1
Pictured Cliffs/Mesaverde Duals, Commercial	1
Pictured Cliffs/Mesaverde Duals, Disconnected	1
Pictured Cliffs Mesaverde Duals, Plugged & Abandoned	1
Mesaverde, Commercial	3
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	<u>4</u>

20

Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1986.

February 24, 1986

All working interest owners have been contacted regarding this Drilling Program. Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

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

Very truly yours,



Alan Alexander
District Land Manager

AA:LD:tlm

Enclosure

San Juan 29-4 Unit, 3.0

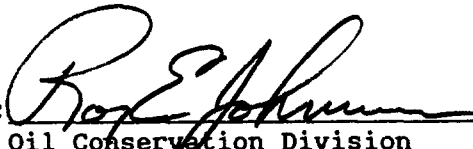
xc: Commissioner of Public Lands (Information Only)
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

APPROVED: _____
Commissioner of Public Lands
(Subject to like approval by the
Bureau of Land Management and the
Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management and the
Commissioner of Public Lands)

DATED: 2-28-86

The foregoing approvals are for the 1986 Drilling Program for the
San Juan 29-4 Unit, #14-08-001-1051, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Jay I. Cohen, Trustee Abercrombie Trust

Amoco Production Company

Estate of Robert Critchfield

Mr. & Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the H. O. Pool Trust

Mrs. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

EJE Company

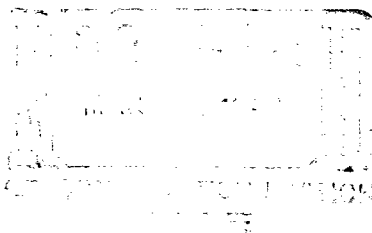
Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of A. W. Brown

United Western Energy Corporation

Bureau of Land Management
Albuquerque District Office
Minerals Division
P.O. Box 6770
Albuquerque, NM 87197-6770

MAR 12 1986

San Juan 29-4
Unit POD
3800 (015)
3180



Meridian Oil, Inc.
ATTN: Alan Alexander
P.O. Box 4289
Farmington, NM 87499

Gentlemen:

Two approved copies of your 1986 Plan of Development for the San Juan 29-4 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing no drilling in 1986, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Shirley Bryant at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) - Sid Vogel

h

For District Manager

Enclosure(s)

cc:

NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
O&G Chron

015:SBryant:klm:3-11-86:1607M

El Paso
Exploration Company

552

P. O. BOX 4289
FARMINGTON, NEW MEXICO 87499-4289
PHONE 505-325-2841

February 26, 1985

Bureau of Land Management
South Central Region
Post Office Box 6770
Albuquerque, New Mexico 87197

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1985 Drilling Program

Gentlemen:

By letter dated March 14, 1984, El Paso Natural Gas Company, as Unit Operator, for the San Juan 29-4 Unit, filed a Drilling Program concerning the captioned Unit for calendar year 1984. This program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	5
Pictured Cliffs (Non-Commercial)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Mesaverde	3
Mesaverde (Disconnected)	1
Mesaverde/Pictured Cliffs	<u>1</u>
	13

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year of 1985.

All working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

February 26, 1985

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

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

Very truly yours,



Alan Alexander
District Land Manager *all*

AA:VLG:gm
attachment
San Juan 29-4 Unit, 3.0

xc: Commissioner of Public Lands
(Information only)

APPROVED: _____
Bureau of Land Management
(Subject to like approval by the
the Oil Conservation Division)

DATED: _____

APPROVED:  _____
Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management)

DATED: 3-1-85

The foregoing approvals for the 1985 Drilling Program for the
San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT WORKING INTEREST OWNERS

Jay I. Cohen, Trustee Abercrombie Trust

Amoco Production Company

Estate of Robert Critchfield, Deceased

Mr. & Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H.O. Pool, Trustee of the H.O. Pool Trust

Mrs. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

EJE Company

Mrs. Evelyn Ellen Wallace & Mr. James A. Brown
Trustees under the Last Will & Testament of W.A.
Brown

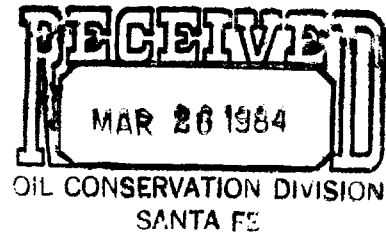
United Western Energy Corporation

#552

El Paso
Natural Gas Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

March 14, 1984



Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1984 Drilling Program

Gentlemen:

By letter dated June 8, 1983, El Paso Natural Gas Company, as Unit Operator, for the San Juan 29-4 Unit, filed a Drilling Program concerning the captioned Unit for the calendar year 1983. This Program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	5
Pictured Cliffs (Non-Commercial)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Mesaverde	3
Mesaverde (Disconnected)	1
Mesaverde/Pictured Cliffs	1
	<u>13</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year of 1984.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Regulatory Agencies
March 14, 1984
Page Two

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,



D. N. Canfield

Attorney-in-Fact *[initials]*

DNC/VLG/cc
Attachment
San Juan 29-4, 3.0

cc: Commissioner of Public Lands
(Information only)


United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

APPROVED:

Bureau of Land Management
(Subject to like approval by the
Oil Conservation Division)

DATED: _____

APPROVED:


Oil Conservation Division
(Subject to like approval by the
Bureau of Land Management)

DATED: 3-26-84

The foregoing approvals for the 1984 Drilling Program for the San Juan 29-4
Unit #14-08-001-1055, Rio Arriba County, New Mexico

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company (4)

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Oil Company

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

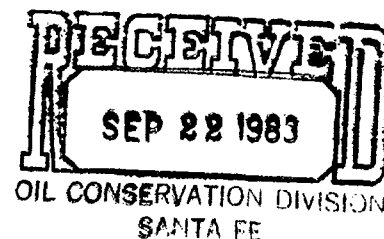
United Western Energy Corporation

#552

El Paso
Exploration Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

September 19, 1983



Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL
WELLS, Pictured Cliffs Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 29-4 Unit Agreement, #14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances from the Pictured Cliffs Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 29-4 Unit #24 Well was completed on November 11, 1982. The Pictured Cliffs Formation was tested on February 2, 1983, with an after frac gauge of 1149 MCF/D. The spacing unit for this well is described as the NE/4 of Section 8, Township 29 North, Range 4 West, N.M.P.M., containing 320.00 acres.

The drilling block for the above-described well is included within the existing Pictured Cliffs Participating Area; therefore, the Participating Area is not enlarged by this well.

Regulatory Agencies
September 19, 1983
Page Two

Inasmuch as this determination needs no official approval, no provision is made therefore.

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

Very truly yours,

A handwritten signature in cursive script, reading "Mary L. Broaddus".

Mary L. Broaddus
Landman
Land Department

MLB:ljg
Attachment
San Juan 29-4 Unit; 4.1.1, Tr. 4A

SAN JUAN 29-4 UNIT
PICTURED CLIFFS FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Amoco Production Company (4)

Northwest Pipeline Corporation

El Paso
Exploration Company

#552

RECEIVED
JUL 28 1983
OIL CONSERVATION DIVISION
P.O. BOX 1492
SANTA FE, TEXAS 79978
PHONE 915-541-2600

July 25, 1983

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1983 Drilling Program

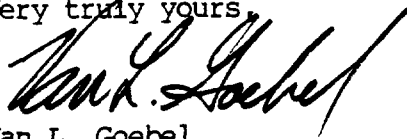
Gentlemen:

The 1983 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the dates indicated:

Bureau of Land Management	7-7-83
Oil Conservation Commission	6-23-83

Copies of this letter are being sent to the working interest owners of the above unit.

Very truly yours,



Van L. Goebel
Landman
Land Department

VLG:cc
San Juan 29-4 Unit, 3.0

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company (4)

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Oil Company

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

United Western Energy Corporation



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

TONEY ANAYA
GOVERNOR

July 12, 1983

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

El Paso Natural Gas Co.
P.O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Unit Agreements
Northwest New Mexico

Dear Mr. Canfield:

Enclosed please find the approved copies of the material referenced above. Such approval is contingent upon like approval by the Commissioner of Public Lands and the United States Minerals Management Service.

Sincerely,

A handwritten signature in dark ink, appearing to read "Roy E. Johnson", written over a horizontal line.

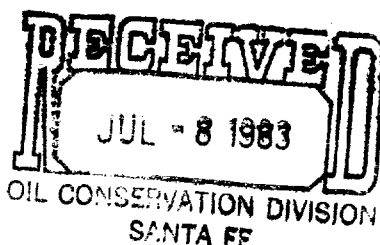
ROY E. JOHNSON
Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe
Minerals Management Service - Albuquerque
OCD District Office - Aztec

JUL 07 1983

El Paso Natural Gas
Attention: D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978



Gentlemen:

Three ~~approved~~ copies of your 1983 Plan of Development for the ~~San Juan~~ ~~29-4~~ unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of no wells during calendar year 1983, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

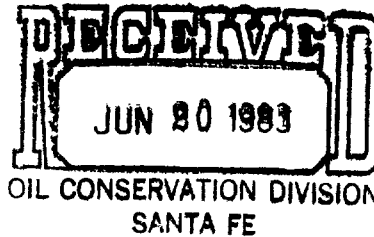
Assistant District Manager
for Minerals

Enclosure

cc:
NMOCD ✓
Commissioner Public Lands
Farmington Resource Area (w/enclosure)
Unit File San Juan 29-4
O & G Chrono

SEUmshler:pmr:7-6-83

El Paso NATURAL GAS
COMPANY



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

June 8, 1983

552

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

By letter dated March 31, 1982, El Paso Natural Gas Company, as Unit Operator, for the San Juan 29-4 Unit, filed a Drilling Program concerning the captioned Unit for the calendar year 1982.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	5
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Mesaverde	3
Mesaverde (Disconnected)	1
Mesaverde/Pictured Cliffs	1
	<u>13</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program providing for the drilling of no wells during the calendar year of 1983.

Regulatory Agencies
June 8, 1983
Page Two

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

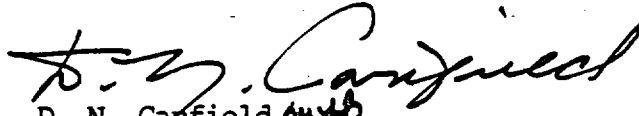
El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY


D. N. Canfield
Attorney-in-Fact

DNC:MLB:ljg
Attachment
San Juan 29-4, 3.0

cc: Commissioner of Public Lands
(Information Only)

United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company (4)

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Oil Company

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

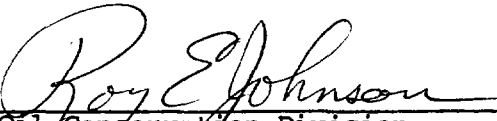
United Western Energy Corporation

APPROVED:

Minerals Management Service
(Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division)

DATED: _____

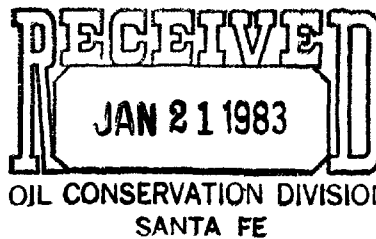
APPROVED:


Oil Conservation Division
(Subject to like approval by the
Minerals Management Service and
the Commissioner of Public Lands)

DATED: 6-23-83

The foregoing approvals for the 1983 Drilling Program for the San Juan 29-4
Unit #14-08-001-1055, Rio Arriba County, New Mexico

El Paso
Exploration Company



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

January 19, 1983

Case # 552

Bureau of Land Management
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Revision of Exhibits "A" and "B"

Gentlemen:

Enclosed is a copy of a letter received from the Bureau of Land Management approving of the exhibits submitted on October 15, 1982.

Copies of this letter are being sent to all working interest owners, who have already been provided copies of the revised exhibits.

Very truly yours,

A handwritten signature in cursive script that reads "Mary L. Broaddus".

Mary L. Broaddus
Landman
Land Department

MLB:ljg
Enclosure
San Juan 29-4 Unit; 1.0, 3.0, 5.0

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company (4)
Attn: Land Data Department
Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

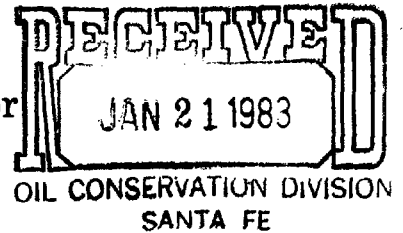
United Western Energy Corporation



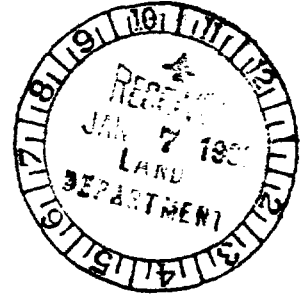
IN REPLY
REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
SOUTH CENTRAL REGION
505 MARQUETTE AVENUE, N.W., SUITE 815
ALBUQUERQUE, NEW MEXICO 87102



JAN 05 1982



El Paso Exploration Company
Attention: Mary L. Broaddus
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Your letter of October 15, 1982, and the accompanying revised Exhibits "A" and "B" describe the lands remaining in the San Juan 29-4 Unit after automatic elimination. The lands so eliminated contain 8,311.37 acres, which constitute all legal subdivisions, no part of which is included in the 4,156.65 acre Mesaverde and Pictured Cliffs participating area, the resultant unit area.

All of the land remaining in the unit is Federal land and is contained in leases SF-079756, SF-079756-A, SF-079757, SF-079757-A, SF-079758, SF-079761, SF-079761-A, and SF-079893-A.

We hereby concur with your description of the lands remaining in the unit as of June 1, 1979. Your are hereby requested to notify all interested parties of this action. Returned herewith are three approved copies.

Sincerely yours,

James W. Shelton
FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosures

El Paso
Exploration Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

October 22, 1982

Case # 552
R # 341

Minerals Management Service
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

RECEIVED
OCT 27 1982
OIL CON

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

By letter dated September 22, 1982, substitute pages intended to correct typographical errors discovered in the Fourth Expansion of the Mesaverde Participating Area for the captioned Unit were sent to all interested parties. The wrong enclosures were attached. Please remove Page 1 and Page 3 sent September 22, 1982, and substitute the enclosed pages. No participation figures are affected by the corrections.

A copy of this letter and the enclosures are being sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

Mary L. Broaddus

Mary L. Broaddus
Landman
Land Department

MLB:ljg
Enclosure
San Juan 29-4, 4.2

SAN JUAN 29-4 UNIT
MESAVERDE FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

Amoco Production Company

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

Form 21-71 (2-72)

SCHEDULE V
FOURTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 3-A</u>						
079756-A	T-29-N, R-4-W Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	319.25	Royalty: ORRI: Working Interest: Amoco Production Co. Total	12.50% 2.50% 85.00% <u>100.00%</u>	12.50% 2.50% <u>85.00%</u> <u>100.00%</u>	<u>16.650585%</u>
<u>Tract 4</u>						
079757	T-29-N, R-4-W Sec. 8: W/2	320.00	Royalty: ORRI: Working Interest: Northwest Pipeline Corp. Total	12.50% 2.50% 85.00% <u>100.00%</u>	12.50% 2.50% <u>85.00%</u> <u>100.00%</u>	<u>16.698702</u>
<u>Tract 5</u>						
079758	T-29-N, R-4-W Sec. 18: E/2	320.00	Royalty: ORRI: Working Interest: Northwest Pipeline Corp. Total	12.50% 2.50% 85.00% <u>100.00%</u>	12.50% 2.50% <u>85.00%</u> <u>100.00%</u>	<u>16.689702</u>
<u>Tract 11-A</u>						
079761-A	T-29-N, R-4-W Sec. 33: E/2	320.00	Royalty: ORRI: Working Interest: Northwest Pipeline Corp. Total	12.50% 5.00% 82.50% <u>100.00%</u>	12.50% 5.00% <u>82.50%</u> <u>100.00%</u>	<u>16.689702</u>

Effective August 1, 1978

Page 1

SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 4 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 8: W/2
Section 18: E/2
Section 30: Lots 1, 2, 3, 4, E/2 W/2
Section 31: E/2
Section 33: E/2

Total Number of Acres in Participating Area 1,917.35

El Paso
Exploration Company

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

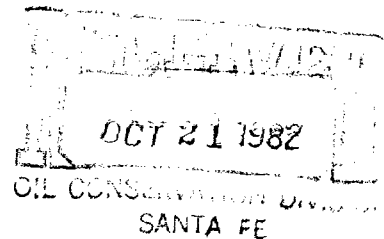
October 15, 1982

552

Minerals Management Service
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 29-4 Unit
Revision of Exhibits "A" and "B"

Gentlemen:

Attached are the revised Exhibits "A" and "B" describing the lands remaining in the San Juan 29-4 Unit after the contraction recently approved.

Copies of this letter and of the revised Exhibits are being sent to all working interest owners.

Very truly yours,

Mary L. Broadbuss

Mary L. Broadbuss
Landman
Land Department

MLB:ljg
Attachments
San Juan 29-4 Unit, 1.0, 3.0, 5.0

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company
Attn: Land Department
Denver, Colorado 80202

Amoco Production Company
Attn: Production Department
Denver, Colorado 80202

Amoco Production Company
Farmington, New Mexico

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

United Western Energy Corporation

El Paso
Exploration Company

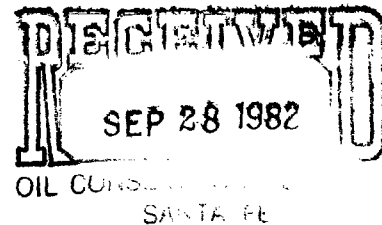
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

September 22, 1982

Minerals Management Service
South Central Region
505 Marquette Avenue, N.W., Suite 815
Albuquerque, New Mexico 87102

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

Enclosed please find substitute pages for the Fourth Expansion of the Mesaverde Participating Area in the captioned Unit. Said pages correct typographical errors in the previously approved expansion. No participation figures are affected by the changes.

Please remove the old pages and substitute our revised pages. If you require further information, please advise. A copy of this letter and substitute pages are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Mary L. Broadus

Mary L. Broadus
Landman
Land Department

MLB:ljg
Enclosure
San Juan 29-4, 4.2

SAN JUAN 29-4 UNIT
MESAVERDE FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

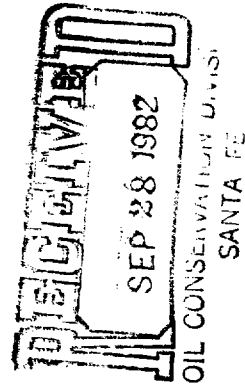
Amoco Production Company

SCHEDULE V
FOURTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 3-A</u>						
079756-A	T-29-N, R-4-W Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	319.25	Royalty: ORRI: Working Interest: Amoco Production Co. Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.650585%
<u>Tract 4</u>						
079757	T-29-N, R-4-W Sec. 8: W/2	320.00	Royalty: ORRI: Working Interest: El Paso Natural Gas Co. Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.698702%
<u>Tract 5</u>						
079758	T-29-N, R-4-W Sec. 18: E/2	320.00	Royalty: ORRI: Working Interest: El Paso Natural Gas Co. Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.689702%
<u>Tract 11-A</u>						
079761-A	T-29-N, R-4-W Sec. 33: E/2	320.00	Royalty: ORRI: Working Interest: El Paso Natural Gas Co. Total	12.50% 5.00% 82.50% 100.00%	12.50% 5.00% 82.50% 100.00%	16.689702%

Effective August 1, 1978

Page 1



SCHEDULE V

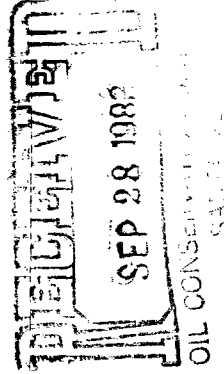
SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 9 West, N.M.P.M.

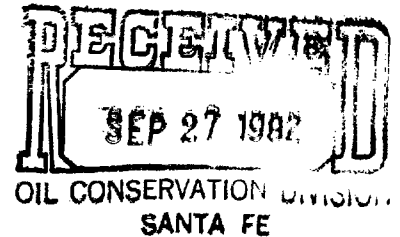
Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 8: W/2
Section 18: E/2
Section 30: Lots 1, 2, 3, 4, E/2 W/2
Section 31: E/2
Section 33: E/2

Total Number of Acres in Participating Area 1,917.35



552

September 20, 1982



TO ALL SAN JUAN 29-4 UNIT
PICTURED CLIFFS AND MESAVERDE
FORMATIONS PARTICIPATING AREA
WORKING INTEREST OWNERS

Re: Contraction of San Juan 29-4 Unit

Dear Interest Owner:

The proposed contraction, as demanded by the United States Geological Service on March 22, 1982, of the above-captioned Unit has now received final approval. The effective date of the contraction is June 1, 1979. The San Juan 29-4 Unit Agreement will include only those lands within the Fourth Expanded Mesaverde Participating Area and the Sixth Expanded Pictured Cliffs Participating Area.

Revisions of Exhibits "A" and "B", as described in paragraph 2 of the San Juan 29-4 Unit Agreement are being prepared and will be sent to you upon their completion.

If you should have any questions, please contact our Farmington office.

Very truly yours,

Mary L. Broadus

Mary L. Broadus
Landman
Land Department

MLB:ljg
San Juan 29-4 Unit, 3.0, 5.0

San Juan 29-4 Unit
September 20, 1982
Page Two

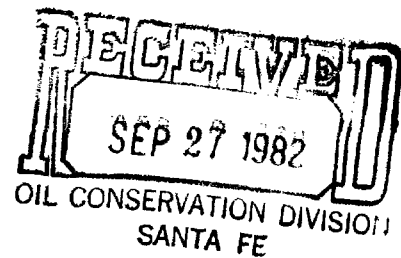
cc: Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

John Ahlm

San Juan 29-4 Unit
Working Interest Owners



SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company
Attn: Land Department
Denver, Colorado 80202

Amoco Production Company
Attn: Production Department
Denver, Colorado 80202

Amoco Production Company
Farmington, New Mexico

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown
United Western Energy Corporation

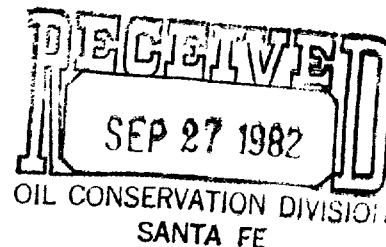
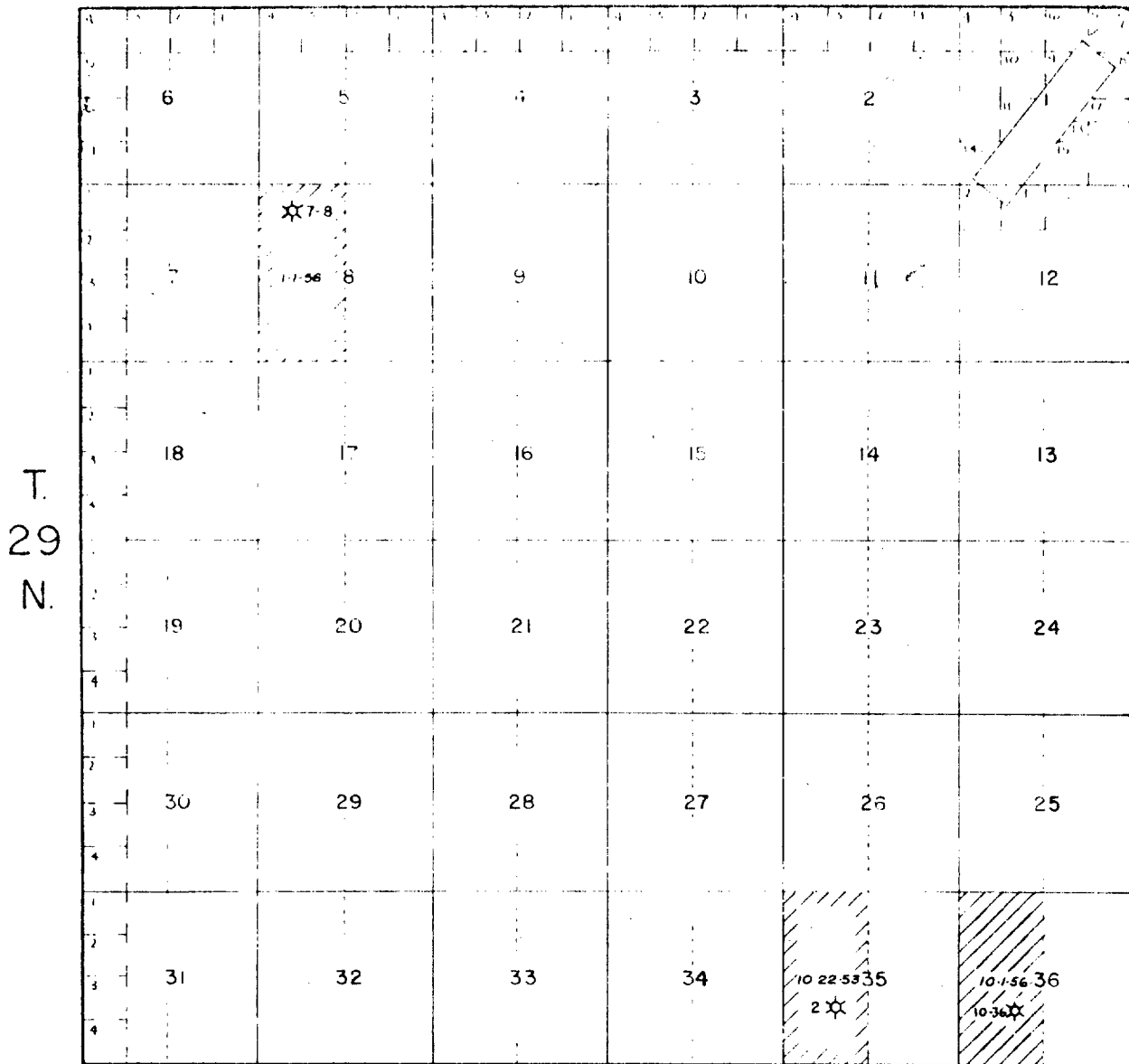


EXHIBIT "A"

R. 4 W.



SAN JUAN 29-4 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Picture Cliffs Participating Area

Second Revision Effective October 1, 1956

SCALE 1 inch = 1 mile



Participating area



Drilling blocks added to participating area by this revision.

ILLEGIBLE

NOTE: Effective date of inclusion is shown on each drilling block admitted to participating area.



BRUCE KING
GOVERNOR

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

July 21, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

552

Attention: J. R. Parmenter

Re: Contraction of San Juan 29-4
Unit, Rio Arriba County,
New Mexico

Dear Mr. Parmenter:

The above referenced submittal has been approved by the New Mexico Oil Conservation Division effective this date. Such approval is contingent upon like approval by the New Mexico Commissioner of Public Lands and the United States Minerals Management Service.

Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr .

cc: Commissioner of Public Lands - Santa Fe
Minerals Management Service - Albuquerque
OCD District Office

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

June 4, 1982

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

In accordance with the United States Geological Survey demand made March 22, 1982, El Paso Natural Gas Company as Unit Operator of the captioned unit has proposed the contraction of such unit so that the unit, as contracted, will consist of the Fourth Expanded Mesaverde Participating Area and the Sixth Expanded Pictured Cliffs Participating Area. This proposal was made by letter dated April 23, 1982 (copy attached).

The reason for the proposed contraction is to comply with the demand made by the United States Geological Survey. The proposed effective date of the contraction is June 1, 1979. The delay involved was the result of a dispute concerning whether or not certain wells should be declared commercial.

In accordance with Paragraph 2 (b) of the San Juan 29-4 Unit Agreement, copies of the April 23, 1982 letter were forwarded to the working interest owners with the request that they advise us of any objection to the proposed contraction within thirty (30) days from the date of said letter. No such objections were received. In this regard it is requested that final approval be granted in our request for Unit contraction.

552
RECEIVED
JUN 14 1982

Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Division
June 4, 1982
Page Two

The working interest owners will be advised of the final action of these bodies in regard to the proposed contraction.

Very truly yours,



James R. Permenter
Director, Land Administration
Land Department

214

TWB/RJH/cc
SJ 29-4 Unit, 3.0, 5.0

cc: San Juan 29-4 Unit
Working Interest Owners

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company
Attn: Land Department
Denver, Colorado 80202

Amoco Production Company
Attn: Production Department
Denver, Colorado 80202

Amoco Production Company
Farmington, New Mexico

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

April 23, 1982

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

In accordance with the United States Geological Survey demand made March 22, 1982, El Paso Natural Gas Company as Unit Operator of the captioned unit hereby proposes the contraction of such unit so that the unit, as contracted, will consist of the Fourth Expanded Mesaverde Participating Area and the Sixth Expanded Pictured Cliffs Participating Area.

The reason for the proposed contraction is to comply with the demand made by the United States Geological Survey. The proposed effective date of the contraction is June 1, 1979. The delay involved was the result of a dispute concerning whether or not certain wells should be declared commercial.

In accordance with Paragraph 2 (b) of the San Juan 29-4 Unit Agreement, copies of this letter are being forwarded to the working interest owners with the request that they advise us of any objection to the proposed contraction within thirty (30) days from the date of this letter. Such objections will be filed at the end of said thirty (30) day period with the Supervisor, United States

Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Division
Page Two

Geological Survey, Commissioner of Public Lands and the Oil Conservation Commission. The working interest owners will be advised of the final action of these bodies in regard to the proposed contraction.

Very truly yours,

EL PASO NATURAL GAS COMPANY

A handwritten signature in cursive script, reading "D. N. Canfield".

D. N. Canfield
Attorney-in-Fact

28th
jun

DNC/RJH/cc
SJ 29-4 Unit, 3.0, 5.0

cc: San Juan 29-4 Unit
Working Interest Owners

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company
Attn: Land Department
Denver, Colorado 80202

Amoco Production Company
Attn: Production Department
Denver, Colorado 80202

Amoco Production Company
Farmington, New Mexico

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,
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Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation

MAY 14 1982

MAY 12 1982

552

El Paso Natural Gas Company
Attention: D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1982 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill no new wells during 1982, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility might exist of drainage by wells outside of the unit boundary. You will be contacted by our Development Unit about this possibility.

Sincerely yours,

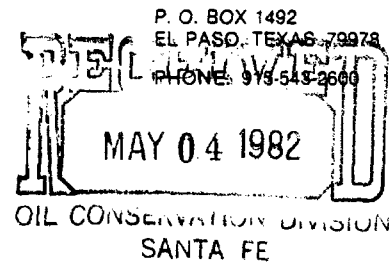
(ORIG. SGD) JOE G. LARA

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosure

cc:
NWIOCD, Santa Fe
DS, Farmington (w/encl)
Development Unit

El Paso
Exploration Company



April 23, 1982

552

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

In accordance with the United States Geological Survey demand made March 22, 1982, El Paso Natural Gas Company as Unit Operator of the captioned unit hereby proposes the contraction of such unit so that the unit, as contracted, will consist of the Fourth Expanded Mesaverde Participating Area and the Sixth Expanded Pictured Cliffs Participating Area.

The reason for the proposed contraction is to comply with the demand made by the United States Geological Survey. The proposed effective date of the contraction is June 1, 1979. The delay involved was the result of a dispute concerning whether or not certain wells should be declared commercial.

In accordance with Paragraph 2 (b) of the San Juan 29-4 Unit Agreement, copies of this letter are being forwarded to the working interest owners with the request that they advise us of any objection to the proposed contraction within thirty (30) days from the date of this letter. Such objections will be filed at the end of said thirty (30) day period with the Supervisor, United States

Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Division
Page Two

Geological Survey, Commissioner of Public Lands and the Oil Conservation Commission. The working interest owners will be advised of the final action of these bodies in regard to the proposed contraction.

Very truly yours,

EL PASO NATURAL GAS COMPANY

A handwritten signature in cursive script, reading "D. N. Canfield".

D. N. Canfield
Attorney-in-Fact

28th
Jun

DNC/RJH/cc
SJ 29-4 Unit, 3.0, 5.0

cc: San Juan 29-4 Unit
Working Interest Owners

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company
Attn: Land Department
Denver, Colorado 80202

Amoco Production Company
Attn: Production Department
Denver, Colorado 80202

Amoco Production Company
Farmington, New Mexico

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation



United States Department of the Interior

OFFICE OF THE SECRETARY

Minerals Management Service
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

El Paso Natural Gas Company
Attention: James R. Permenter
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Four approved copies of your 1980 and 1981 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill the #24 well in the NE $\frac{1}{4}$ section 8, T. 29 N., R. 4 W., on the intervening drilling block created by the completion of the #22 well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ section 9, and no wells in 1981, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

In the absence of a 1982 plan of development indicating further exploration or development of the nonparticipating lands subject to the San Juan 29-4 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-1055, all lands which are not entitled to be included within a participating area should be eliminated from the San Juan 29-4 unit area without further delay.

Therefore, pursuant to subsection 2(a) of the San Juan 29-4 unit agreement, demand is hereby made that El Paso Natural Gas Company, as unit operator, prepare and distribute, pursuant to subsection 2(b) of the agreement, a notice of proposed contraction of the San Juan 29-4 unit area.

Said notice of proposed contraction is to provide for the elimination of all lands not entitled to be within the participating areas established for production from the Mesaverde and Pictured Cliffs formations effective as of June 1, 1979.

Three copies of the notice of proposed contraction are to be delivered to the Office of the Deputy Minerals Manager, Albuquerque, New Mexico, within 30 days following receipt of this notice.

You are reminded also that subsection 2(c) provides that the Unit Operator is to file certain evidence with the Deputy upon expiration of the 30-day period as provided in subsection 2(b) of the San Juan 29-4 unit agreement.

Sincerely yours,

Gene F. Daniel
Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosures



BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

April 19, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

552

Attention: Mr. D. N. Canfield

Re: 1982 Plan of Development for
San Juan 29-4 Unit, Rio
Arriba County, New Mexico

Dear Mr. Canfield:

The New Mexico Oil Conservation Division has this date approved your 1982 Plan of Development for the San Juan 29-4 Unit, Rio Arriba County, New Mexico. Our approval is subject to like approval by the Minerals Management Service and the Commissioner of Public Lands of the State of New Mexico.

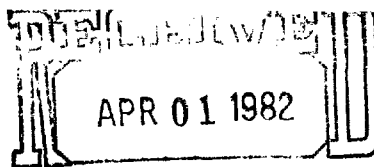
Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr

cc: Minerals Management Service - Albuquerque
Commissioner of Public Lands - Santa Fe

El Paso NATURAL GAS
COMPANY



OIL CONSERVATION DIVISION

SANTA FE

P. O. BOX 1492
EL PASO, TEXAS 79978

PHONE: 915-543-2600

March 31, 1982

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

552

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1982 Drilling Program

Gentlemen:

By letter dated December 5, 1980, El Paso Natural Gas Company, as Unit Operator of the San Juan 29-4 Unit filed a Drilling Program for such unit for the calendar year 1981.

As of this date, the total number of active wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	5
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Mesaverde	3
Mesaverde (Disconnected)	1
Mesaverde/Pictured Cliffs	1
	<u>13</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1982 providing for the drilling of no wells.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

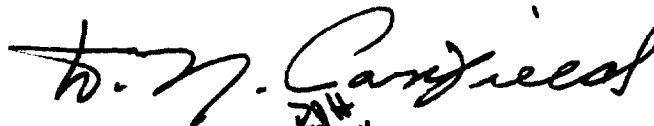
March 10, 1982
Page Two

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,


D. N. Canfield
Attorney-In-Fact

DNC/RJH/gs
Attachments
San Juan 29-4 Unit, 3.0

cc: Commissioner of Public Lands
(Information only)

United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

Approved: _____
Area Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division

DATE: _____

Approved: W. Ray Pearce
Oil Conservation Division
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

DATE: 4/9/82

The foregoing approvals for the 1982 Drilling Program for the San Juan 29-4
Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie

Amoco Production Company
Attn: Land Department
Denver, Colorado 80202

Amoco Production Company
Attn: Production Department
Denver, Colorado 80202

Amoco Production Company
Farmington, New Mexico

Mrs. Evelyn G. Brown

Mr. James A. Brown

Estate of Mr. Robert Critchfield, Dec'd

Mr. Thomas A. Dugan, et ux

Flag-Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation

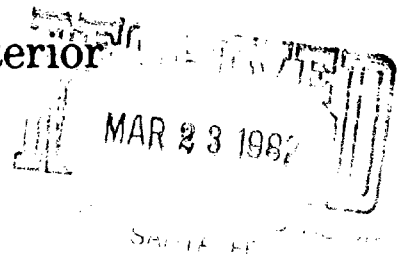


United States Department of the Interior

OFFICE OF THE SECRETARY

Minerals Management Service
South Central Region

P. O. Box 26124
Albuquerque, New Mexico 87125



MAR 22 1982

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

El Paso Natural Gas Company
Attention: James R. Permenter
P. O. Box 1492
El Paso, Texas 79978

552

Gentlemen:

Four approved copies of your 1980 and 1981 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill the #24 well in the NE $\frac{1}{4}$ section 8, T. 29 N., R. 4 W., on the intervening drilling block created by the completion of the #22 well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ section 9, and no wells in 1981, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

In the absence of a 1982 plan of development indicating further exploration or development of the nonparticipating lands subject to the San Juan 29-4 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-1055, all lands which are not entitled to be included within a participating area should be eliminated from the San Juan 29-4 unit area without further delay.

Therefore, pursuant to subsection 2(a) of the San Juan 29-4 unit agreement, demand is hereby made that El Paso Natural Gas Company, as unit operator, prepare and distribute, pursuant to subsection 2(b) of the agreement, a notice of proposed contraction of the San Juan 29-4 unit area.

Said notice of proposed contraction is to provide for the elimination of all lands not entitled to be within the participating areas established for production from the Mesaverde and Pictured Cliffs formations effective as of June 1, 1979.

Three copies of the notice of proposed contraction are to be delivered to the Office of the Deputy Minerals Manager, Albuquerque, New Mexico, within 30 days following receipt of this notice.

You are reminded also that subsection 2(c) provides that the Unit Operator is to file certain evidence with the Deputy upon expiration of the 30-day period as provided in subsection 2(b) of the San Juan 29-4 unit agreement.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

FOR Gene F. Daniel
Deputy Minerals Manager
Oil and Gas

Enclosures

cc:
NMOCD, Santa Fe

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 17, 1981

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: James R. Permenter

Re: Case No. 552
San Juan 29-4 Unit
1981 Drilling Program

Gentlemen:

We hereby approve the 1981 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Yours very truly,

JOE D. RAMEY
Director

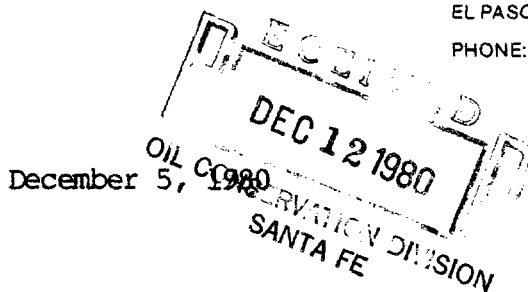
JDR/EP/fd
enc.

cc: U.S.G.S. - Albuquerque
Commissioner of Public Lands

C
O
P
Y

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600



Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1981 DRILLING PROGRAM

Gentlemen:

By letter dated December 5, 1980, El Paso Natural Gas Company, as Unit Operator of the San Juan 29-4 Unit filed a Drilling Program for such unit for the calendar year 1980 providing for the drilling of one Pictured Cliffs Formation Well. The #24 Well will be drilled to fulfill the requirements of the Unit Agreement concerning inclusion of intervening drilling blocks into approved participating areas. The intervening drilling block was created by Amoco's completion of the San Juan 29-4 Unit #22 Pictured Cliffs Well in the SW/4 SW/4 of Section 9, T-29-N, R-4-W which caused an expansion of the Pictured Cliffs Participating Area.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	5
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Pictured Cliffs/Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
Mesaverde/Pictured Cliffs	1
	<u>19</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1981 providing for the drilling of no wells.

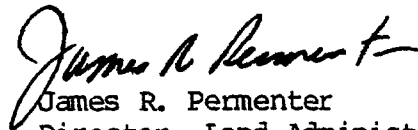
All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,



James R. Permenter
Director, Land Administration

JRP/JL/en
Attachments
San Juan 29-4 Unit, 3.0

cc: Commissioner of Public Lands
(Information only)

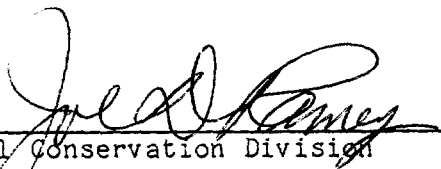
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

APPROVED: _____

Area Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Division

DATE: _____

APPROVED: _____


Oil Conservation Division
Subject to like approval by the
United States Geological Survey

DATE: 2/17/81

The foregoing approvals are for the 1981 Drilling Program for the
San Juan 29-4 Unit, #04-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)

Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

August 5, 1980

552

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
Sixth Expanded Participating Area
Pictured Cliffs Formation
Effective January 1, 1979

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, 14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that the below listed wells are capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation and that the Pictured Cliffs Participating Area should be expanded as follows:

SIXTH EXPANDED PARTICIPATING AREA - Effective January 1, 1979

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
W/2 Sec. 9, T-29-N, R-4-W	320.00	#22

The San Juan 29-4 Unit #22 Well, located 790' from the south line and 1630' from the west line of Section 9, Township 29 North, Range 4 West, N.M.P.M., was spudded on November 5, 1978, and completed on December 10, 1978 at a plugged back total depth of 3902'. The Pictured Cliffs Formation at the intervals of

3535', 3552', 3589', 3594', 3610' 3614', 3644', 3646', 3691', 3694', 3701', 3704', 3718', 3724', 3803', 3820' was treated with a sand-water fracturing process. The well was shut-in on December 18, 1978, and after being shut-in for twelve (12) days, the Pictured Cliffs Formation was tested on December 29, 1978, using the Pitot tube method with an after frac guage of 1443 MCF/D, with an SIPC of 1187 psia and an SIPT of 1075 psia. The spacing unit for this well is described as the W/2 of Section 9, Township 29 North, Range 4 West, N.M.P.M., containing 320.00 acres.

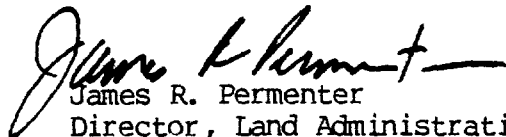
<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
E/2 Sec. 15, T-29-N, R-4-W	320.00	#23

The San Juan 29-4 Unit #23 Well, located 2180' from the south line and 1580' from the east line of Section 15, Township 29 North, Range 4 West, N.M.P.M., was spudded on November 20, 1978, and completed on December 22, 1978, at a plugged back total depth of 4441'. The Pictured Cliffs Formation at the intervals of 4076', 4089', 4100', 4130', 4248', 4250', 4287', 4292', 4312', 4317', 4364', 4366', 4376', 4379' was treated with a sand-water fracturing process. The well was shut-in on December 23, 1978, and after being shut-in for eleven (11) days, the Pictured Cliffs Formation was tested on January 2, 1979, using the Pitot tube method with an after frac guage of 663 MCF/D, with an SIPC of 1137 psia and an SIPT of 442 psia. The spacing unit for this well is described as the E/2 of Section 15, Township 29 North, Range 4 West, N.M.P.M., containing 320.00 acres.

Attached is Schedule VII showing the Sixth Expanded Participating Area for the Pictured Cliffs Formation for the San Juan 29-4 Unit Area. This Schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, this Expanded Participating Area will become effective as of January 1, 1979.

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

Very truly yours,


James R. Permenter
Director, Land Administration

SAN JUAN 29-4 UNIT
PICTURED CLIFFS FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

Amoco Production Company

SCHEDULE VII
SIXTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079756	<u>Tract #3</u>					
	T-29-N, R-4-W	319.30	Royalty:	12.50%	12.50%	11.092390%
	Sec. 6: Lots		O.R.R.I.:	2.50%	2.50%	
	1,2, S/2 NE/4,		Working Interest:			
	SE/4		Northwest Pipeline Corp.:	85.00%	85.00%	
			Total	100.00%	100.00%	
	<u>Tract #3A</u>					
	T-29-N, R-4-W	319.25	Royalty:	12.50%	12.50%	11.090654%
	Sec. 5: Lots		O.R.R.I.:	2.50%	2.50%	
	3,4, S/2 NW/4,		Working Interest:			
SW/4		Amoco Production Co.:	85.00%	85.00%		
		Total	100.00%	100.00%		
SF 079757	<u>Tract #4</u>					
	T-29-N, R-4-W	320.00	Royalty:	12.50%	12.50%	11.116708%
	Sec. 8: W/2		O.R.R.I.:	2.50%	2.50%	
			Working Interest:			
			Northwest Pipeline Corp.:	85.00%	85.00%	
			Total	100.00%	100.00%	
	<u>Tract #4A</u>					
	T-29-N, R-4-W	640.00	Royalty:	12.50%	12.50%	22.233416%
	Sec. 8: E/2		O.R.R.I.:	2.50%	2.50%	
	Sec. 9: W/2		Working Interest:			
		Amoco Production Co.:	85.00%	85.00%		
		Total	100.00%	100.00%		

Effective January 1, 1979

SCHEDULE VII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract #5A</u>						
3F 079758	<u>T-29-N, R-4-W</u>	320.00	Royalty:	12.50%	12.50%	11.116708%
	<u>Sec. 15: E/2</u>		O.R.R.I.:	2.50%	2.50%	
			Working Interest:			
			Amoco Production Co.:	85.00%	85.00%	
			Total	<u>100.00%</u>	<u>100.00%</u>	
<u>Tract #10</u>						
3F 079761	<u>T-29-N, R-4-W</u>	960.00	Royalty:	12.50%	12.50%	33.350124%
	<u>Sec. 35: W/2</u>		O.R.R.I.:	4.375%	4.375%	
	<u>Sec. 36: A11</u>		Working Interest:			
			EI Paso Natural Gas Co.:	83.125%	83.125%	
			Total	<u>100.00%</u>	<u>100.00%</u>	

Effective January 1, 1979

SCHEDULE VII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 4 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 6: Lots 1, 2, S/2 NE/4, SE/4
Section 8: All
Section 9: W/2
Section 15: E/2
Section 35: W/2
Section 36: All

Total Number of Acres in Participating Area 2,878.55

Effective January 1, 1979

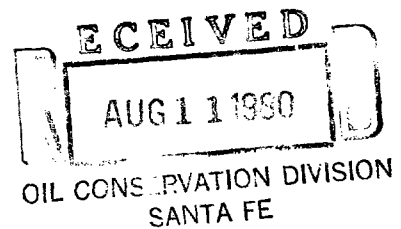
552

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

August 5, 1980

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Fifth Expanded Participating Area
Pictured Cliffs Formation
Effective August 1, 1978

Gentlemen:

Attached are revised copies of the captioned expansion which were previously furnished your office by our letter of May 7, 1980.

We ask that you dispose of the original copies of said expansion and the revised pages previously furnished your office and file this revised copy for your records.

Thank you for your cooperation in this matter.

Very truly yours,

A handwritten signature in cursive script that reads "Jim Leon".

Jim Leon
Landman
Land Department

JL/en
Attachments
SJ 29-4 Unit, 4.1

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

August 5, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
Fifth Expanded Participating Area
Effective August 1, 1978

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, 14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that the below listed well is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation and that the Pictured Cliffs Participating Area should be expanded as follows:

FIFTH EXPANDED PARTICIPATING AREA - Effective August 1, 1978

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
W/2 Sec. 5, T-29-N, R-4-W	319.25	#21

The San Juan 29-4 Unit #21 Well, located 1715' from the south line and 1785' from the west line of Section 5, Township 29 North, Range 4 West, N.M.P.M., was spudded on September 25, 1977, and completed on July 5, 1978, at a plugged back total depth of 6704'. The Pictured Cliffs Formation at the intervals of

Regulatory Agencies
August 5, 1980
Page 2

4208', 4250', 4278', 4318', 4362' 4378', 4396', 4438' was treated with a sand-water fracturing process. The well was shut-in on July 5, 1978, and after being shut-in for fourteen (14) days, the Pictured Cliffs Formation was tested on July 19, 1978, using the Pitot tube method with an after frac guage of 1957 MCF/D, with an SIPC of 1069 psia and an SIPT of 985 psia. The spacing unit for this well is described as the W/2 of Section 5, Township 29 North, Range 4 West, N.M.P.M., containing 319.25 acres.

Attached is Schedule VI showing the Fifth Expanded Participating Area for the Pictured Cliffs Formation for the San Juan 29-4 Unit Area. This Schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, this Expanded Participating Area will become effective as of August 1, 1978.

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

Very truly yours,



James R. Permenter
Director, Land Administration

JRP:JL:en
Attachment
SJ 29-4, 4.1

SAN JUAN 29-4 UNIT
PICTURED CLIFFS FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

Amoco Production Company

SCHEDULE VI
FIFTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract #3</u>						
SF 079756	T-29-N, R-4-W Sec. 6: Lots 1, 2, S/2 NE/4, SE/4	319.30	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.642777%
<u>Tract #3A</u>						
SF 079756-A	T-29-N, R-4-W Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	319.25	Royalty: O.R.R.I.: Working Interest: Amoco Production Co.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.640171%
<u>Tract #4</u>						
SF 079757	T-29-N, R-4-W Sec. 8: W/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.679263%
<u>Tract #10</u>						
SF 079761	T-29-N, R-4-W Sec. 35: W/2 Sec. 36: All	960.00	Royalty: O.R.R.I.: Working Interest: El Paso Natural Gas Co.: Total	12.50% 4.375% 83.125% 100.00%	12.50% 4.375% 83.125% 100.00%	50.037789%

Effective August 1, 1978

SCHEDULE VI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 4 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 6: Lots 1, 2, S/2 NE/4, SE/4
Section 8: W/2
Section 35: W/2
Section 36: All

Total Number of Acres in Participating Area 1,918.55

Effective August 1, 1978

SCHEDULE VI
FIFTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract #3</u>						
F 079756	T-29-N, R-4-W Sec. 6: Lots 1, 2, S/2 NE/4, SE/4	319.30	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.642777%
<u>Tract #3A</u>						
JF 079756-A	T-29-N, R-4-W Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	319.25	Royalty: O.R.R.I.: Working Interest: Amoco Production Co.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.640171%
<u>Tract #4</u>						
SF 079757	T-29-N, R-4-W Sec. 8: W/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.679263%
<u>Tract #10</u>						
SF 079761	T-29-N, R-4-W Sec. 35: W/2 Sec. 36: All	960.00	Royalty: O.R.R.I.: Working Interest: El Paso Natural Gas Co.: Total	12.50% 4.375% 83.125% 100.00%	12.50% 4.375% 83.125% 100.00%	50.037789%

Effective August 1, 1978

SCHEDULE VI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
RECAPITULATION						
Description of Lands in Participating Area						
<u>Township 29 North, Range 4 West, N.M.P.M.</u>						
	Section 5:	Lots 3, 4, S/2 NW/4, SW/4				
	Section 6:	Lots 1, 2, S/2 NE/4, SE/4				
	Section 8:	W/2				
	Section 35:	W/2				
	Section 36:	All				
Total Number of Acres in Participating Area						1,918.55

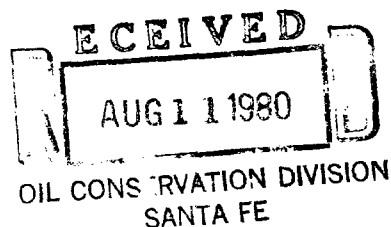
Effective August 1, 1978

552

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

August 5, 1980



Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Attached are revised copies of the captioned expansion which were previously furnished your office by our letter of May 7, 1980.

We ask that you dispose of the original copies of said expansion and the revised pages previously furnished your office and file this revised copy for your records.

Thank you for your cooperation in this matter.

Very truly yours,

A handwritten signature in cursive script that reads "Jim Leon".

Jim Leon
Landman
Land Department

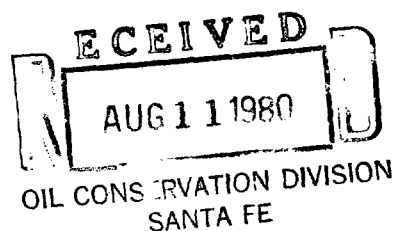
JL/en
Attachments
SJ 29-4 Unit, 4.2

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

August 5, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125



Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Effective August 1, 1978

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, 14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that the below listed well is capable of producing unitized substances in paying quantities from the Mesaverde Formation and that the Mesaverde Participating Area should be expanded as follows:

FOURTH EXPANDED PARTICIPATING AREA - Effective August 1, 1978

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
W/2 Sec. 5, T-29-N, R-4-W	319.25	#21

The San Juan 29-4 Unit #21 Well, located 1715' from the south line and 1785' from the west line of Section 5, Township 29 North, Range 4 West, N.M.P.M., was spudded on September 25, 1977, and completed on July 5, 1978, at a total plugged back depth of 6704'. The Mesaverde Formation at the intervals of

Regulatory Agencies
August 5, 1980
Page 2

6308', 6312', 6338', 6348', 6367' 6373', 6388', 6394', 6418', 6422', 6442', 6450', 6466', 6470', 6489', 6493', 6498', 6504', 6526', 6542', 6562', 6604', 6660', 6676' was treated with a sand-water fracturing process. The well was shut-in on July 14, 1978, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on July 21, 1978, using the Pitot tube method with an after frac guage of 1075 MCF/D, with an SIPT of 1148 psia. The spacing unit for this well is described as the W/2 of Section 5, Township 29 North, Range 4 West, N.M.P.M., containing 319.25 acres.

Attached is Schedule V showing the Fourth Expanded Participating Area for the Mesaverde Formation for the San Juan 29-4 Unit Area. This Schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, this Expanded Participating Area will become effective as of August 1, 1978.

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

Very truly yours,



James R. Permenter
Director, Land Administration

JRP:JL:en
Attachment
SJ 29-4, 4.2

SAN JUAN 29-4 UNIT
MESAVERDE FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

Amoco Production Company

SCHEDULE V
FOURTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE		
<u>Tract #3A</u>						
3F 079756-A	<u>T-29-N, R-4-W</u> Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	319.25	Royalty: O.R.R.I.: Working Interest: Amoco Production Co.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.650585%
<u>Tract #4</u>						
3F 079757	<u>T-29-N, R-4-W</u> Sec. 8: W/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.689702%
<u>Tract #5</u>						
3F 079758	<u>T-29-N, R-4-W</u> Sec. 18: E/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% 100.00%	12.50% 2.50% 85.00% 100.00%	16.689702%
<u>Tract #11</u>						
3F 079761-A	<u>T-29-N, R-4-W</u> Sec. 33: E/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 5.00% 82.50% 100.00%	12.50% 5.00% 82.50% 100.00%	16.689702%

Effective August 1, 1978

Revised 5/29/80

SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract #15</u>						
3F 079893-A	<u>T-29-N, R-4-W</u> Sec. 30: Lots 1, 2, 3, 4, E/2 W/2 Sec. 31: E/2	638.10	Royalty: Working Interest: *El Paso Natural Gas Co.: Total	12.50% 87.50% <u>100.00%</u>	12.50% 87.50% <u>100.00%</u>	33.280309%

*Until Payout
(See Exhibit "B" for reversionary interest)

Effective August 1, 1978

SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 4 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 8: W/2
Section 18: E/2
Section 30: Lots 1, 2, 3, 4, E/2 W/2
Section 31: E/2
Section 33: E/2

Total Number of Acres in Participating Area 1,917.35

Effective August 1, 1978

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 17, 1981

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: James R. Permenter

Re: Case No. 552
San Juan 29-4 Unit
1980 Drilling Program

Gentlemen:

We hereby approve the 1980 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Albuquerque
Commissioner of Public Lands

C
O
P
Y

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

December 5, 1980
OIL CONSERVATION DIVISION
SANTA FE
DEC 12 1980

552
OK
2/6/81

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1980 DRILLING PROGRAM

Gentlemen:

By letter dated January 15, 1979, El Paso Natural Gas Company, as Unit Operator of the San Juan 29-4 Unit filed a Drilling Program for such unit for the calendar year 1979. This program provided for the drilling of no wells and none were drilled.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	5
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Pictured Cliffs/Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
Mesaverde/Pictured Cliffs	1
	<u>19</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1980 providing for the drilling of the following well during the calendar year of 1980.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#24	NE/4 Section 8, T-29-N, R-4-W	Pictured Cliffs

This well will be drilled to fulfill the requirements of the Unit Agreement concerning inclusion of intervening drilling blocks into approved participating areas. The intervening drilling block was created by Amoco's completion of the San Juan 29-4 Unit #22 Pictured Cliffs Well in the SW/4 SW/4 of Section 9, T-29-N, R-4-W which caused an expansion of the Pictured Cliffs Participating Area.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

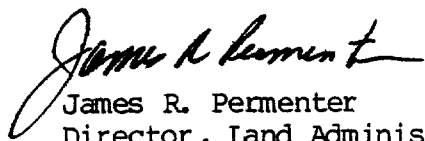
El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

3535



James R. Permenter
Director, Land Administration

JRP/JL/en
Attachments
San Juan 29-4 Unit, 3.0

cc: Commissioner of Public Lands
(Information only)

United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

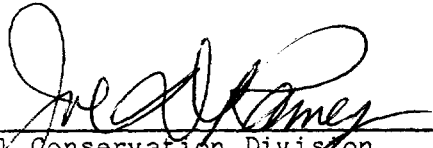
Bob
Hopkins

APPROVED: _____

Area Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Division

DATE: _____

APPROVED: _____


Oil Conservation Division
Subject to like approval by the
United States Geological Survey

DATE: 2/17/81

The foregoing approvals are for the 1980 Drilling Program for the
San Juan 29-4 Unit, #04-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)

Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

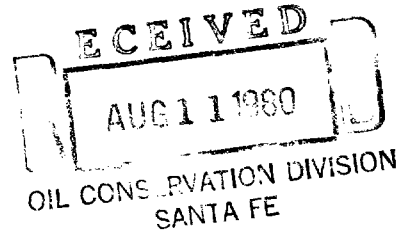
Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation

552

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

August 5, 1980



Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Sixth Expanded Participating Area
Pictured Cliffs Formation
Effective January 1, 1979

Gentlemen:

Attached are revised copies of the captioned expansion which were previously furnished your office by our letter of May 7, 1980.

We ask that you dispose of the original copies of said expansion and the revised pages previously furnished your office and file this revised copy for your records.

You will note that the revised Schedule VII includes an intervening Drilling Block (Section 8: E/2, T-29-N, R-4-W) which was omitted in the original Schedule VII. Pursuant to Section 11 of the San Juan 29-4 Unit Agreement, 14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, was required to drill a well on said undrilled intervening Drilling Block within one year from the effective date of said Drilling Block's inclusion in the participating area. Upon approval of the appropriate Regulatory Agencies, the Sixth Expanded Participating Area of the Pictured Cliffs formation for the San Juan 29-4 Unit will become effective January 1, 1979. Consequently, El Paso was obligated to drill on the intervening Drilling Block by January 1, 1980.

Due to El Paso's inability to acquire information regarding the completion of the San Juan 29-4 Unit #22 Well from the Operator (Amoco Production Company), the time period provided for in the San Juan 29-4 Unit Agreement lapsed prior to El Paso spudding a well in the E/2 of Section 8, T-29-N, R-4-W. El Paso respectfully request an extension of time be granted so as to enable El Paso to drill a well on the aforementioned acreage and comply with the drilling requirements of the Unit Agreement.

approve the Sixth Expanded Pictured Cliffs Part. Area as revised Aug 5, 1980 to become effective January 1, 1979. Also extension of time until Jan 1, 1981 to drill the intervening

Your favorable consideration to our request for an extension of time to drill a well on the intervening Drilling Block will be greatly appreciated.

Very truly yours,

A handwritten signature in dark ink, appearing to read "James R. Permenter". The signature is fluid and cursive, with a long horizontal stroke at the end.

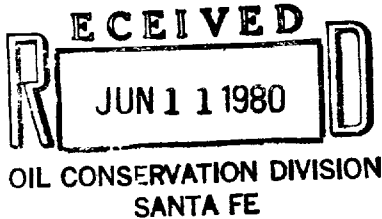
James R. Permenter
Director, Land Administration

JRP:JL:en
Attachments
SJ 29-4 Unit, 3.0, 4.1, 5.0

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

SS 2



June 9, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Please refer to our letter of May 29, 1980 furnishing you a revised Schedule V for the Fourth Expanded Participating Area of the Mesaverde Formation for the San Juan 29-4 Unit Area.

It has come to our attention that there was an additional error in Schedule V in that the Recapitulation on page 3 showed the Township and Range covered to be T-29-N, R-9-W instead of T-29-N, R-4-W.


Attached is corrected copy of page three of the Schedule. Please replace the corrected page three in the copies of the revised Schedule V furnished.

Copies of this letter and revision of Schedule V are being sent to the Working Interest Owners as shown on the attached sheet.

Regulatory Agencies
June 9, 1980
Page 2

Please accept my apology for any inconvenience this matter may have caused you.

Very truly yours,

A handwritten signature in cursive script that reads "Jim Leon".

Jim Leon
Landman
Land Department

JL/en
Attachments
SJ 29-4, 4.2

SAN JUAN 29-4 UNIT
MESAVERDE FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

Amoco Production Company

UNIT AREA EXPANSION SCHEDULE -- SAN JUAN BASIN

Form 21-71 (2-72)

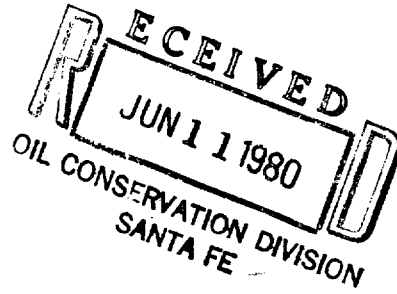
SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 4 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 8: W/2
Section 18: E/2
Section 30: Lots 1, 2, 3, 4, E/2 W/2
Section 31: E/2
Section 33: E/2
Total Number of Acres in Participating Area 1,917.35



Effective August 1, 1978

Page 3

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

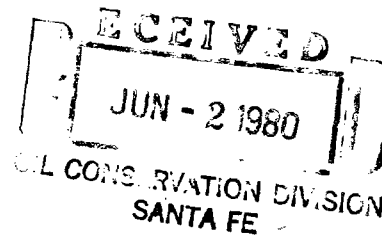
May 29, 1980

#552

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501



Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Please refer to our letter of May 7, 1980 furnishing you a copy of Schedule V reflecting the Fourth Expanded Participating Area for the Mesaverde Formation for the San Juan 29-4 Unit Area.

It has recently come to our attention that Schedule V incorrectly showed the working interest under several tracts. Consequently, we are enclosing a revised Schedule V along with a copy of our letter of May 7, 1980.

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

Very truly yours,

A handwritten signature in cursive script that reads "Jim Leon".

Jim Leon
Landman
Land Department

JL/en
Enclosures
SJ 29-4, 4.2

SAN JUAN 29-4 UNIT
MESAVERDE FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

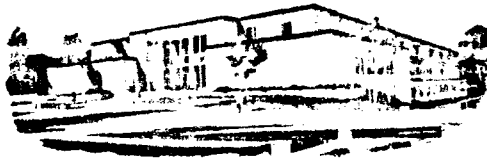
Northwest Pipeline Corporation

Amoco Production Company

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

May 19, 1980

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

552

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Sixth Expanded Participating Area
Pictured Cliffs Formation
Effective January 1, 1979

ATTENTION: Mr. James R. Permenter

Gentlemen:

We are in receipt of three copies of the Sixth Expanded Participating Area, Pictured Cliffs Formation, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico.

Since this unit contains no State of New Mexico Lands, we are this date filing it for record purposes only. Enclosed is one copy reflecting the date it was received in this office.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encls.
cc:

OCD-Santa Fe, New Mexico ✓
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

May 19, 1980

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

552

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Fifth Expanded Participating Area
Pictured Cliffs Formation
Effective August 1, 1978

ATTENTION: Mr. James R. Permenter

Gentlemen:

We are in receipt of three copies of the Fifth Expanded Participating Area, Pictured Cliffs Formation, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico.

Since this unit contains no State of New Mexico Lands, we are this date filing it for record purposes only. Enclosed is one copy reflecting the date it was received in this office.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encls.
cc:

OCD-Santa Fe, New Mexico ✓
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

May 19, 1980

552

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Mesaverde formation
Effective August 1, 1978

ATTENTION: Mr. James R. Permenter

Gentlemen:

We are in receipt of three copies of the Fourth Expanded Participating Area, Mesaverde Formation for the San Juan 29-4 Unit, Rio Arriba County, New Mexico.

Since this unit contains no State of New Mexico Lands, we are this date filing it for record purposes only. Enclosed is one copy reflecting the date it was received in this office.

Very truly yours,

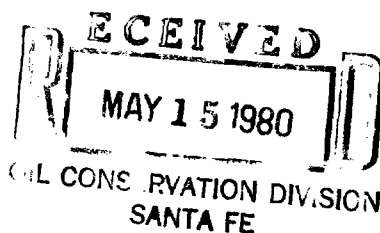
ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encls.
cc:

OCD-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

El Paso NATURAL GAS
COMPANY



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

May 12, 1980

#552

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, 14-08-001-1055
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Please refer to the Fourth Expansion of Mesaverde Formation in the San Juan 29-4 Unit furnished with our letter of May 7, 1980.

It has come to our attention that there was an error in Schedule V of this Expansion. Under the Recapitulation of the Lands in the Participating Area the E/2 of Section 33, Township 29 North, Range 9 West was inadvertently omitted. Attached is a revised Recapitulation of Schedule V and we ask that you replace this page in the Schedule V originally furnished.

Copies of the revised Recapitulation are being sent to the Working Interest Owners as shown on the attached sheet.

Very truly yours,

A handwritten signature in cursive script that reads "Jim Leon".

Jim Leon
Landman
Land Department

JL/en
SJ 29-4, 4.2

SAN JUAN 29-4 UNIT
PICTURED CLIFFS FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

Amoco Production Company

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

Form 21-71 (2-72)

SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 9 West, N.M.P.M.

- Section 5: Lots 3, 4, S/2 NW/4, SW/4
- Section 8: W/2
- Section 18: E/2
- Section 30: Lots 1, 2, 3, 4, E/2 W/2
- Section 31: E/2
- Section 33: E/2

Total Number of Acres in Participating Area 1,917.35

Effective August 1, 1978
(Revised 5/12/80)

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

Form 21-71 (2-72)

SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 9 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 8: W/2
Section 18: E/2
Section 30: Lots 1, 2, 3, 4, E/2 W/2
Section 31: E/2
Section 33: E/2

Total Number of Acres in Participating Area 1,917.35

Effective August 1, 1978
(Revised 5/12/80)

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

May 7, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, 14-08-001-1055
Rio Arriba County, New Mexico
Sixth Expanded Participating Area
Pictured Cliffs Formation
Effective January 1, 1979

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, 14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that the below listed wells are capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation and that the Pictured Cliffs Participating Area should be expanded as follows:

SIXTH EXPANDED PARTICIPATING AREA - Effective January 1, 1979

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
W/2 Sec. 9, T-29-N, R-4-W	320.00	#22

The San Juan 29-4 Unit #22 Well, located 790' from the south line and 1630' from the west line of Section 9, Township 29 North, Range 4 West, N.M.P.M., was spudded on November 5, 1978, and completed on December 10, 1978 at a plugged back total depth of 3902'. The Pictured Cliffs Formation at the intervals of

Regulatory Agencies

May 7, 1980

Page 2

3535', 3552', 3589', 3594', 3610', 3614', 3644', 3646', 3691', 3694', 3701', 3704', 3718', 3724', 3803', 3820' was treated with a sand-water fracturing process. The well was shut-in on December 18, 1978, and after being shut-in for twelve (12) days, the Pictured Cliffs Formation was tested on December 29, 1978, using the Pitot tube method with an after frac guage of 1443 MCF/D, with an SIPC of 1187 psia and an SIPT of 1075 psia. The spacing unit for this well is described as the W/2 of Section 9, Township 29 North, Range 4 West, N.M.P.M., containing 320.00 acres.

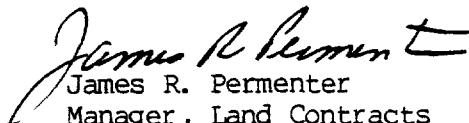
<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
E/2 Sec. 15, T-29-N, R-4-W	320.00	#23

The San Juan 29-4 Unit #23 Well, located 2180' from the south line and 1580' from the east line of Section 15, Township 29 North, Range 4 West, N.M.P.M., was spudded on November 20, 1978, and completed on December 22, 1978, at a plugged back total depth of 4441'. The Pictured Cliffs Formation at the intervals of 4076', 4089', 4100', 4130', 4248', 4250', 4287', 4292', 4312', 4317', 4364', 4366', 4376', 4379' was treated with a sand-water fracturing process. The well was shut-in on December 23, 1978, and after being shut-in for eleven (11) days, the Pictured Cliffs Formation was tested on January 2, 1979, using the Pitot tube method with an after frac gauge of 663 MCF/D, with an SIPC of 1137 psia and an SIPT of 442 psia. The spacing unit for this well is described as the E/2 of Section 15, Township 29 North, Range 4 West, N.M.P.M., containing 320.00 acres.

Attached is Schedule VII showing the Sixth Expanded Participating Area for the Pictured Cliffs Formation for the San Juan 29-4 Unit Area. This Schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, this Expanded Participating Area will become effective as of January 1, 1979.

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

Very truly yours,


James R. Permenter
Manager, Land Contracts
and Titles
Land Department
Energy Resource Development

JRP:JL:en
Attachment
SJ 29-4, 4.1

SAN JUAN 29-4 UNIT
PICTURED CLIFFS FORMATION
WORKING INTEREST OWNERS

El Paso Natural Gas Company

Northwest Pipeline Corporation

Amoco Production Company

SCHEDULE VII
SIXTH EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
F 079756	<u>T-29-N, R-4-W</u> <u>Sec. 6: Lots</u> 1,2, S/2 NE/4, SE/4	319.30	Royalty:	12.50%	12.50%	12.479725%
			O.R.R.I.:	2.50%		
			Working Interest:			
			Northwest Pipeline Corp.:	85.00%		
			Total	<u>100.00%</u>		
	<u>Tract #3</u>					
	<u>Tract #3A</u>					
F 079756-A	<u>T-29-N, R-4-W</u> <u>Sec. 5: Lots</u> 3,4, S/2 NW/4, SW/4	319.25	Royalty:	12.50%	12.50%	12.477771%
			O.R.R.I.:	2.50%		
			Working Interest:			
			Amoco Production Co.:	85.00%		
			Total	<u>100.00%</u>		
	<u>Tract #4</u>					
	<u>Tract #4A</u>					
F 079757	<u>T-29-N, R-4-W</u> <u>Sec. 8: W/2</u>	320.00	Royalty:	12.50%	12.50%	12.507084%
			O.R.R.I.:	2.50%		
			Working Interest:			
			Northwest Pipeline Corp.:	85.00%		
			Total	<u>100.00%</u>		
	<u>Tract #4</u>					
	<u>Tract #4A</u>					
F 079757-A	<u>T-29-N, R-4-W</u> <u>Sec. 9: W/2</u>	320.00	Royalty:	12.50%	12.50%	12.507084%
			O.R.R.I.:	2.50%		
			Working Interest:			
			Amoco Production Co.:	85.00%		
			Total	<u>100.00%</u>		
	<u>Tract #4A</u>					
	<u>Tract #4A</u>					

Effective January 1, 1979

SCHEDULE VII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract #5A</u>						
F 079758	<u>T-29-N, R-4-W</u> Sec. 15: E/2	320.00	Royalty: O.R.R.I.: Working Interest: Amoco Production Co.: Total	12.50% 2.50% 85.00% <u>100.00%</u>	12.50% 2.50% 85.00% <u>100.00%</u>	12.507084%
<u>Tract #10</u>						
F 079761	<u>T-29-N, R-4-W</u> Sec. 35: W/2 Sec. 36: A11	960.00	Royalty: O.R.R.I.: Working Interest: El Paso Natural Gas Co.: Total	12.50% 4.375% 83.125% <u>100.00%</u>	12.50% 4.375% 83.125% <u>100.00%</u>	37.521252%

Effective January 1, 1979

SCHEDULE VII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 9 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 6: Lots 1, 2, S/2 NE/4, SE/4
Section 8: W/2
Section 9: W/2
Section 15: E/2
Section 35: W/2
Section 36: All

Total Number of Acres in Participating Area 2,558.55

Effective January 1, 1979

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

May 7, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
Fourth Expanded Participating Area
Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, 14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that the below listed well is capable of producing unitized substances in paying quantities from the Mesaverde Formation and that the Mesaverde Participating Area should be expanded as follows:

FOURTH EXPANDED PARTICIPATING AREA - Effective August 1, 1978

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
W/2 Sec. 5, T-29-N, R-4-W	319.25	#21

The San Juan 29-4 Unit #21 Well, located 1715' from the south line and 1785' from the west line of Section 5, Township 29 North, Range 4 West, N.M.P.M., was spudded on September 25, 1978, and completed on July 5, 1978, at a total plugged back depth of 6704'. The Mesaverde Formation at the intervals of


Regulatory Agencies
May 7, 1980
Page 2

6308', 6312', 6338', 6348', 6367', 6373', 6388', 6394', 6418', 6422', 6442', 6450', 6466', 6470', 6489', 6493', 6498', 6504', 6526', 6542', 6562', 6604', 6660', 6676' was treated with a sand-water fracturing process. The well was shut-in on July 14, 1978, and after being shut-in for seven (7) days, the Mesaverde Formation was tested on July 21, 1978, using the Pitot tube method with an after frac guage of 1075 MCF/D, with an SIPT of 1148 psia. The spacing unit for this well is described as the W/2 of Section 5, Township 29 North, Range 4 West, N.M.P.M., containing 319.25 acres.

Attached is Schedule V showing the Fourth Expanded Participating Area for the Mesaverde Formation for the San Juan 29-4 Unit Area. This Schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, this Expanded Participating Area will become effective as of August 1, 1978.

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

Very truly yours,


James R. Permenter
Manager, Land Contracts
and Titles
Land Department
Energy Resource Development

JRP:JL:en
Attachment
SJ 29-4, 4.2

UNIT AREA EXPANSION SCHEDULE -- SAN JUAN BASIN

Form 21-71 (2-72)

SCHEDULE V
FOURTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract #3A</u>						
SF 079756-A	T-29-N, R-4-W Sec. 5: Lots 3, 4, S/2 NW/4, SW/4	319.25	Royalty: O.R.R.I.: Working Interest: Amoco Production Co.: Total	12.50% 2.50% 85.00% <u>100.00%</u>	12.50% 2.50% 85.00% <u>100.00%</u>	16.650585%
<u>Tract #4</u>						
SF 079757	T-29-N, R-4-W Sec. 8: W/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% <u>100.00%</u>	12.50% 2.50% 85.00% <u>100.00%</u>	16.689702%
<u>Tract #5</u>						
SF 079758	T-29-N, R-4-W Sec. 18: E/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 2.50% 85.00% <u>100.00%</u>	12.50% 2.50% 85.00% <u>100.00%</u>	16.689702%
<u>Tract #11</u>						
SF 079761-A	T-29-N, R-4-W Sec. 33: E/2	320.00	Royalty: O.R.R.I.: Working Interest: Northwest Pipeline Corp.: Total	12.50% 5.00% 82.50% <u>100.00%</u>	12.50% 5.00% 82.50% <u>100.00%</u>	16.689702%

Effective August 1, 1978

Revised 5/29/80

SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
Tract #15						
SF 079893-A	T-29-N, R-4-W Sec. 30: Lots 1, 2, 3, 4, E/2 W/2 Sec. 31: E/2	638.10	Royalty: Working Interest: *El Paso Natural Gas Co.: Total	12.50% 87.50% <u>100.00%</u>	12.50% 87.50% <u>100.00%</u>	33.280309%

*Until Payout
(See Exhibit "B" for reversionary interest)

Effective August 1, 1978

SCHEDULE V

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area
Township 29 North, Range 9 West, N.M.P.M.

Section 5: Lots 3, 4, S/2 NW/4, SW/4
Section 8: W/2
Section 18: E/2
Section 30: Lots 1, 2, 3, 4, E/2 W/2
Section 31: E/2
Section 33: E/2
Total Number of Acres in Participating Area 1,917.35

Effective August 1, 1978



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

MAR 31 1980

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

552

Gentlemen:

Reference is made to our letter of May 24, 1979, whereby the Acting Conservation Manager, Central Region, demanded that the San Juan 29-4 unit be contracted to the participating area.

On November 28, 1979, your office requested that the contraction be postponed until the commercial capability of well No. 21 (a Pictured Cliffs-Mesaverde well) and wells Nos. 22 and 23 (Pictured Cliffs wells) was determined.

Well No. 21 was completed on July 5, 1978, for an initial potential of 1,332 MCFG/day from the Pictured Cliffs and 1,040 MCFG/day from the Mesaverde. Wells Nos. 22 and 23 were drilled by Amoco Production Company under a designation of agent from El Paso. Amoco Production Company, by letter dated January 23, 1980, has advised us that such wells are not commercial.

Sufficient time in which to make commercial determination of well No. 21 has elapsed; therefore, you are requested to file with the Acting Deputy Conservation Manager--Oil and Gas, Albuquerque, New Mexico, three copies of the notice of contraction within 30 days following receipt of this notice.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

FOR Gene F. Daniel
Acting Deputy Conservation Manager
Oil and Gas

cc:
NMOCD, Santa Fe



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

El Paso EXPLORATION
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

D. N. CANFIELD VICE PRESIDENT — LAND

March 6, 1980

552

Amoco Production Company
Security Life Building
Denver, Colorado 80202

Attention: Mr. G. J. Ross
Division Operations
Superintendent

Re: Your file: JLK-9-WF
San Juan 29-4 Unit

Gentlemen:

I apologize for our delay in responding to your letter of January 23, 1980 in which you urge the contraction of the San Juan 29-4 Unit to its present participating area. The main reason for the delay was to enable our Reservoir Engineering Department to observe the producing characteristics of the San Juan 29-4 #21 Pictured Cliffs well located in the W/2 of Section 5. This well was tied-in in mid December of 1979 and Mesaverde production has been maintained at approximately 200 MCF/d, which if sustained, could qualify the well as commercial and justify the expansion of the Mesaverde participating area to include the W/2 of Section 5. The Pictured Cliffs' side of this well has not produced because the formation is wet with condensate and has been freezing off. It appears a separator is needed, and until after such equipment is installed and the production from the well is observed, it appears premature to attempt to classify the Pictured Cliffs formation as either commercial or non-commercial.

As neither the 22 and 23 Pictured Cliffs wells have produced, we continue to hold the view that their commercial capability or lack of it is as yet undetermined.

Our Reservoir Engineering Department feels that available data pertaining to the above wells in no way establishes them as non-commercial.

Amoco Production Company
March 6, 1980
Page Two

Should you wish to review or compare reservoir data with them, please contact Mr. George Lippman.

Very truly yours,

A handwritten signature in cursive script, reading "T. Y. Canfield".

DNC:JRP:jm
SJ 29-4 Unit 5.0

cc: Mr. George Lippman

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)
Attention: Mr. T. M. Curtis
Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dungan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver, Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

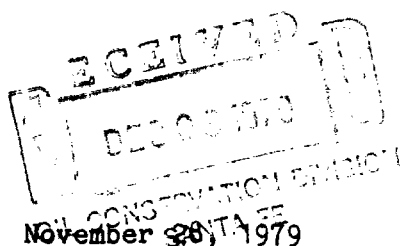
Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation

El Paso EXPLORATION
COMPANY



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

552

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Re: San Juan 29-4 Unit
#14-08-001-1055
Rio Arriba County, New Mexico

Gentlemen:

The status of the referenced unit is as follows:

Well #21 (Pictured Cliffs/Mesaverde)
W/2 Section 5, T-29-N, R-4-W

This well was drilled by Amoco pursuant to a Designation of Agent by El Paso, the terms of which allowed Amoco to drill, complete and test said well. Upon receipt of completion and test data from Amoco, El Paso assumed operatorship of this well. This well is currently producing and El Paso's Reservoir Engineers are studying the production data before making a final determination as to the commercial capability of these two formations.

Well #22, #23 (Pictured Cliffs)
SW/4 Section 9, T-29-N, R-4-W and SE/4 Section 15, T-29-N, R-4-W, respectively

These two wells were also drilled by Amoco, pursuant to a Designation of Agent from El Paso. No commercial capability evaluation has yet been made since these wells are not yet tied-in and producing. However, efforts are now in progress to build a pipeline in the area so that these two wells can be tied in. Well #22, if commercial, will create an intervening drilling block in SE/4 Section 8, T-29-N, R-4-W.

From the facts stated above, El Paso Natural Gas Company respectfully requests that your contraction demand of May 24, 1979 be postponed until the commercial capability determinations and possible consequent drilling activity described herein are completed. At such time we will then be better able to

determine whether or not future drilling in this unit will be attempted and the extent to which the unit should be contracted.

Very truly yours,

A handwritten signature in dark ink, appearing to read "D. N. Canfield", written in a cursive style.

D. N. Canfield
Vice President

DNC/JLM/sfg

cc: Oil Conservation Commission ✓
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

San Juan 29-4 Unit
Working Interest Owners

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)
Attention: Mr. T. M. Curtis
Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool, Trustee of the
H. O. Pool Trust

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation

EXHIBIT "B"
Schedule Showing the Percentage and Kind of Ownership of Oil and Gas
Interests in all Lands in the San Juan 29-4 Unit Agreement

<u>Tract No.</u>	<u>Description</u>	<u>No. of acres</u>	<u>Serial No. and Lease Date</u>	<u>Land Owner Percentage of Royalty</u>	<u>Record Owner of Lease or Application</u>	<u>Overriding Royalty Percentage</u>	<u>Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest</u>
<u>FEDERAL LANDS - T-29-N, R-4-W</u>							
1	Eliminated from Unit Area						
1A	Eliminated from Unit Area						
2	Eliminated from Unit Area						
3	Sec. 6: Lots 1,2, 319.30 S/2 NE/4, SE/4		SF 079756 11-1-48 5 years	USA 12 1/2% All	E1 Paso Natural Gas Company	2.5000%	TO BASE OF MESAVERDE: Northwest Pipeline Corp. * All BELOW BASE OF MESAVERDE: Amoco Production Co. All
3A	Sec. 5: Lots 3,4, 319.25 S/2 NW/4, SW/4 (W/2)		SF 079756-A 11-1-48 5 years	USA 12 1/2% All	E1 Paso Natural Gas Company	2.5000%	Amoco Production Co. All
4	Sec. 8: W/2 320.00		SF 079757 11-1-48 5 years	USA 12 1/2% All	E1 Paso Natural Gas Company	2.5000%	TO BASE OF MESAVERDE: Northwest Pipeline Corp. * All BELOW BASE OF MESAVERDE: Amoco Production Co. All
4A	Sec. 8: E/2 640.00 Sec. 9: W/2		SF 079757-A 11-1-48 5 years	USA 12 1/2% All	E1 Paso Natural Gas Company	2.5000%	Amoco Production Co. All

<u>Tract No.</u>	<u>Description</u>	<u>No. of acres</u>	<u>Serial No. and Lease Date</u>	<u>Land Owner Percentage of Royalty</u>	<u>Record Owner of Lease or Application</u>	<u>Overriding Royalty Percentage</u>	<u>Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest</u>
<u>FEDERAL LANDS - T-29-N, R-4-W</u>							
5	Sec. 18: E/2	320.00	SF 079758 11-1-48 5 years	USA 12 1/2% All	E1 Paso Natural Gas Company	2.5000%	TO BASE OF MESAVARDE: Northwest Pipeline Corp. * All BELOW BASE OF MESAVARDE: Amoco Production Co. All
5A	Sec. 15: E/2	320.00	SF 079758 11-1-48 5 years	USA 12 1/2% All	E1 Paso Natural Gas Company	2.5000%	Amoco Production Co. All
6	Eliminated from Unit Area						
7	Eliminated from Unit Area						
8	Eliminated from Unit Area						
9	Eliminated from Unit Area						

Tract No.	Description	No. of acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
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FEDERAL LANDS - T-29-N, R-4-W

10	Sec. 35: W/2	960.00	SF 079761	USA 12 1/2%	El Paso	4.3750%	GAS RIGHTS BEFORE PAYOUT: El Paso Natural Gas Co. All
	Sec. 36: All		11-1-48	All	Natural Gas Company		OIL RIGHTS BEFORE PAYOUT: General American Oil Co. All
			5 years				GAS RIGHTS AFTER PAYOUT: El Paso Natural Gas Co. 90.00%

Robert Critchfield)
United Western Energy)10.00%
Corp.)
OIL RIGHTS AFTER PAYOUT:
General American Oil Co.90.00%
Robert Critchfield)
United Western Energy)10.00%
Corp.)

11 Eliminated from Unit Area

11A	Sec. 33: E/2	320.00	SF 079761-A	USA 12 1/2%	El Paso	5.0000%	TO BASE OF MESAVERDE: Northwest Pipeline Corp. All
			11-1-48	All	Natural Gas Company		MESAVERDE TO 100' INTO MORRISON: El Paso Natural Gas Co. ** All
			5 years				BELOW 100' INTO MORRISON: Phillips Petroleum Co. All

12 Eliminated from Unit Area

Tract No.	Description	No. of acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
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FEDERAL LANDS - T-29-N, R-4-W

13 Eliminated from Unit Area

14 Eliminated from Unit Area

15	Sec. 30: Lots 1,2, 638.10 3,4, E/2 W/2 (W/2)	SF 079893-A 4-1-51	USA 12 1/2%	J. K. Rigsbee All	Thomas A. Dugan, et ux. .383%	GAS RIGHTS: El Paso Natural Gas Co. All
	Sec. 31: E/2	5 years			MAR Oil and Gas Corp. .547%	OIL RIGHTS BEFORE PAYOUT: General American Oil Co. All

Flag Redfern Oil Co. .383%
First National Bank of Arizona
and Thelma Pool,
Co-Trustees .766%
Evelyn Ellen Wallace
and James Algernon
Brown, Trustees
under the Last Will
and Testament of
Algernon W. Brown,
deceased, and
Evelyn G. Brown
and James Algernon
Brown .766%

J. R.
Abercrombie .383%
Joe Quinn and
Kathleen
Quinn .382%
Langdon D. Harrison,
Trustee .286%
Robert P.
Tinnin .096%
Max Roholtz .383%
4.375%

Tract No.	Description	No. of acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS - T-29-N, R-4-W</u>							
16	Eliminated from Unit Area						
17	Eliminated from Unit Area						
		9	FEDERAL LAND TRACTS - 4,156.65 acres				

PATENTED LANDS

18 Eliminated from Unit Area

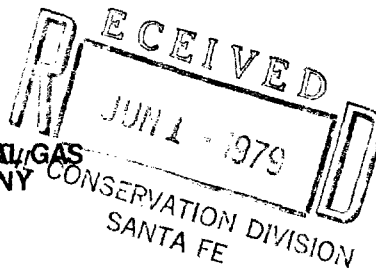
* Subject to Sublease and Operating Agreement dated February 23, 1955, with Phillips Petroleum Company or to Sales Contract and Operating Agreement dated March 16, 1955, with Stanolind Oil & Gas Company, whereby Phillips and Stanolind each retain among others, an ORRI of 82.50% on all oil produced.

** Subject to Agreement and Assignment of Operating rights, both dated April 21, 1959, by and between Phillips Petroleum Company and El Paso Natural Gas Company.

<u>RECAPITULATION</u>			
	<u>Number of Tracts</u>	<u>Acreage</u>	<u>Percentage</u>
FEDERAL LAND	9	4,156.65	100.00%
STATE LAND	0	None	None
PATENTED LAND	<u>0</u>	<u>None</u>	<u>None</u>
	9	4,156.65	100.00%

El Paso

NATURAL GAS
COMPANY



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

May 29, 1979

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Division
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: Case No. 552
San Juan 29-4 Unit
Amended 1978 Drilling Program

Gentlemen:

The amended 1978 Drilling Program for the referenced unit was approved as follows:

Oil Conservation Division	August 18, 1978
United States Geological Survey	August 17, 1978

The working interest owners of this unit are being notified of this approval by copy of this letter.

Very truly yours,

A handwritten signature in cursive script that reads "Jeanne L. Morrison".

Jeanne L. Morrison
Associate Landman
Land Department
Exploration

JLM/sfg
SJ 29-4 Unit 3.0, 5.0

cc: Working Interest Owners

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)
Attention: Mr. T. M. Curtis
Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation



United States Department of the Interior

GEOLOGICAL SURVEY

Box 25046
Denver Federal Center
Denver, Colorado 80225

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Your 1979 plan of development, dated January 15, 1979, for the San Juan 29-4 unit agreement, Rio Arriba County, New Mexico, has been reviewed. Such plan, proposing no drilling for the calendar year 1979, is not acceptable. You were advised by telephone of this conclusion and offered no alternative.

Accordingly, your lack of interest in further exploration or development of the nonparticipating lands subject to the San Juan 29-4 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-1055, leaves but one conclusion. That is, all lands which are not entitled to be included within a participating area should be eliminated from the San Juan 29-4 unit area without further delay.

Therefore, pursuant to subsection 2(a) of the San Juan 29-4 unit agreement, demand is hereby made that El Paso Natural Gas Company, as unit operator, prepare and distribute, pursuant to subsection 2(b) of the agreement, a notice of proposed contraction of the San Juan 29-4 unit area.

Said notice of proposed contraction is to provide for the elimination of all lands not entitled to be within the participating areas established for production from the Mesaverde and Pictured Cliffs formations effective as of June 1, 1979.

Three copies of the notice of proposed contraction are to be delivered to the Office of the Area Oil and Gas Supervisor, Albuquerque, New Mexico, within 30 days following receipt of this notice.

You are reminded also that subsection 2(e) provides that the Unit Operator is to file certain evidence with the Supervisor upon expiration of the 30-day period as provided in subsection 2(b) of the San Juan 29-4 unit agreement.

Sincerely yours,



Acting Conservation Manager, Central Region
For the Director

cc:
NMOCD, Santa Fe, NM ← This Copy for

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 2, 1979

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 552
San Juan 29-4 Unit
1979 Drilling Program

Gentlemen:

We hereby approve the 1979 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/LT/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y

January 15, 1979

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission ✓
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

No. 552

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1979 DRILLING PROGRAM

Gentlemen:

By letter dated July 28, 1978, El Paso Natural Gas Company, as Unit Operator of the San Juan 29-4 Unit filed a Drilling Program for such unit for the calendar year 1978 providing for the drilling of two wells. A dual Mesaverde/Pictured Cliffs well (#21) was drilled in the W/2 Section 5, T-29-N, R-4-W by Amoco. Production is being observed for a period of six (6) months before a final determination is made as to whether or not such well create an expansion of either or both formations. Two Pictured Cliffs wells (#22, #23) were also drilled by Amoco in the SW/4 Section 9 and SE/4 of Section 15 of T-29-N, R-4-W, respectively. Amoco advises that these wells appear to be commercial.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	5
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Pictured Cliffs/Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
Mesaverde/Pictured Cliffs	1
	<u>19</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1979 providing for the drilling of no wells.

ILLEGIBLE

January 15, 1979

Page Two

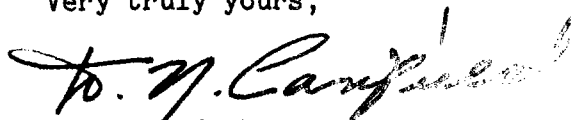
All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,



D. N. Canfield
Director of Land
Energy Resource Development

DNC/JLM/sfg
Attachments
San Juan 29-4 Unit, 3.0

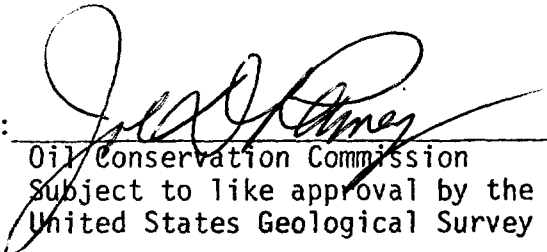
cc: Commissioner of Public Lands
(Information only)

United States Geological Survey
Conservation Division
P. O. Box 2612X
Albuquerque, New Mexico 87125

Attention: Mr. James W. Sutherland

1-19-79

APPROVED: _____ DATE: _____
Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

APPROVED:  _____ DATE: 2/2/79
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

The foregoing approvals are for the 1979 Drilling Program for the
San Juan 29-4 Unit, #04-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)
Attention: Mr. T. M. Curtis
Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

August 18, 1978

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: Case No. 552
San Juan 29-4 Unit
Amended 1978 Drilling
Program

Gentlemen:

We hereby approve the Amended 1978 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Amended Drilling Program is returned herewith.

Very truly yours,

JOE D. RAMEY
Director

JDR/LT/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

AUG 17 1978

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

No. 552

Gentlemen:

Your amended 1978 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, has been submitted in lieu of the notice of contraction demanded by the Geological Survey letter of May 9, 1978.

The Geological Survey letter of July 12, 1978 granted a 90-day extension in which to comply with the contraction demand and advised that a positive plan of development would be viewed with favor. Your amended plan now proposes the drilling of two Pictured Cliffs wells on lands outside the existing participating areas. Accordingly, this plan is hereby approved on this date subject to like approval by the appropriate State official.

Four approved copies are returned herewith.

Sincerely yours,

(ORIG. SGD.) GENE F. DANIEL

ACTING Oil and Gas Supervisor, SRMA

Enclosures (4)

CC:
NMOCC, Santa Fe (ltr. only) *← This Copy for*

AUG 18 1978

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

JUL 31 1978

July 28, 1978

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission ✓
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Approved

No. 552

Re: San Juan 29-4 Unit
#14-08-001-1055
Rio Arriba County, New Mexico
Amended 1978 Drilling Program

Gentlemen:

By letter of January 23, 1978 El Paso Natural Gas Company as Unit Operator of the San Juan 29-4 Unit filed a Drilling Program for such unit for the calendar year 1978 providing for the drilling of no wells. El Paso wishes to withdraw such no well program and substitute therefor the program hereinafter specified.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	3
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Pictured Cliffs/Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
	<u>16*</u>

*Amoco Production Company has drilled a dual well in the W/2 of Section 5, T-29-N, R-4-W and to date, El Paso has not received any information on said well.

Regional Oil and Gas Supervisor
Oil Conservation Commission
July 28, 1978
Page Two

Pursuant to Section 10 of the San Juan 29-4 Unit agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1978 providing for the drilling of the following wells:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
[#22	SW/4 Sec. 9, T-29-N, R-4-W	Pictured Cliffs
#23	SE/4 Sec. 15, T-29-N, R-4-W	Pictured Cliffs

The wells are outside the boundaries of the present participating areas and will be paid for 100% by Amoco Production Company.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheets and return an approved copy to El Paso Natural Gas Company.

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

Yours very truly,


D. N. Canfield
Director of Land
Energy Resource Development

DNC/DM/sfg
Attachments
San Juan 29-4 Unit, 3.0

cc: Commissioner of Public Lands
(Information Only)

United States Geological Survey
Conservation Division
P. O. Box 2612X
Albuquerque, New Mexico 87125
Attention: Mr. James W. Sutherland

APPROVED: _____ DATE: _____

Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

APPROVED: _____ DATE: _____

Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

The foregoing approvals are for the 1978 Drilling Program for the
San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)
Attention: Mr. T. M. Curtis
Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation



United States Department of the Interior

GEOLOGICAL SURVEY

JUL 11 1978

JUL 12 1978

El Paso Natural Gas Company
Attention: Mr. James R. Permenter
P. O. Box 1492
El Paso, Texas 79978

No. 552

Gentlemen:

Your 1978 plan of development for the San Juan 29-4 unit agreement, Rio Arriba County, New Mexico proposed no additional drilling. As a result, our letter of May 9, 1978 demanded that the unit area be contracted to the participating area. Your letter of June 13, 1978 now requests an extension of 90 days before filing the required notice of contraction. Such extension will allow finalization of a proposal to drill an additional well or wells within the unit area.


The request for a 90 day extension of time in which to comply with the contraction demand for the San Juan 29-4 unit area is hereby approved. A revised 1978 plan of development incorporating the drilling of an additional well or wells will be viewed with favor by this office. Copies of this approval letter are being distributed to the appropriate Federal offices.

Sincerely yours,

George W. Horn

Conservation Manager, Central Region
For the Director

cc:

NMOCC, Santa Fe, NM  This Copy for



United States Department of the Interior
GEOLOGICAL SURVEY

MAY 09 1978

CERTIFIED MAIL
FIRST CLASS PERMIT NO. 1137

El Paso Natural Gas Company
Attention: Mr. J. A. Canfield
P. O. Box 1432
El Paso, Texas 79907

no. 552

San Juan

Your letter of development, dated January 10, 1978, for the San Juan well unit agreement, Rio Arriba County, New Mexico, has been received and is considered unacceptable. Such plan proposes to drill for oil during the calendar year 1978. During a telephone conversation with the U. S. Geological Survey office in Roswell, New Mexico, subsequent to review of the plan, you advised that given an alternatives of conducting drilling operations within the unit during 1978, or conducting the unit to those lands within existing participating areas, your choice would be contraction.

Accordingly, your continued lack of interest in further exploration or development of the lands that are subject to the San Juan well unit agreement, Rio Arriba County, New Mexico, No. 10-7-01-10, leaves no alternative but to conclude that all lands not entitled to be within a participating area should be eliminated from the San Juan well unit and a new unit further delay.

Therefore, pursuant to subsection (a) of the San Juan well unit agreement, which is hereby made that El Paso Natural Gas Company, as well as the operator, prepare and distribute, pursuant to subsection (d) of the agreement, a notice of proposed contraction of the San Juan well unit area.

This notice of proposed contraction is to provide for the elimination of all lands not entitled to be within the participating area established for production from the Roswell and Pictured Cliffs formations effectively as of March 1, 1978.

ILLEGIBLE

Three copies of the notice of proposed contraction are to be delivered to the office of the Area Oil and Gas Supervisor, Albuquerque, New Mexico, within 30 days following receipt of this notice.

You are reminded also that subsection 2(c) provides that the Unit Operator is to file certain evidence with the Supervisor upon the expiration of the 30-day period provided in subsection 2(b) of the San Juan 29-4 Unit Agreement.

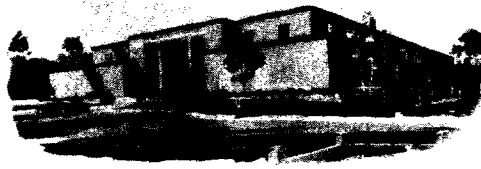
Sincerely yours,



Conservation Manager, Central Region
for the Director

cc:
NMOCC, Santa Fe, NM
District Engineer, Durango

State of New Mexico



Commissioner of Public Lands

PHIL R. LUCERO
COMMISSIONER

January 24, 1978

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

To 552

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
1978 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

We are in receipt of one copy of your 1978 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico.

Since this Unit contains no State of New Mexico Lands, we are filing the one copy for record purposes only.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAM, Director
Oil and Gas Division

PRL/RDG/s

cc: OCC-Santa Fe, New Mexico
USGS-Noswell, New Mexico
USGS-Albuquerque, New Mexico

RECEIVED
JAN 24 1978
Oil Conservation Commission

January 23, 1978

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

no. 552

Oil Conservation Commission ✓
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1978 DRILLING PROGRAM

Gentlemen:

By letter dated February 25, 1977, El Paso Natural Gas Company, as Unit Operator of the San Juan 29-4 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1977 providing for the drilling of no wells and none were drilled.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	3
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Pictured Cliffs/Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
	<u>16</u>

Regional Oil and Gas Supervisor
Oil Conservation Commission
Page Two

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year 1978.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any off-set wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Yours very truly,



D. N. Canfield
Director of Land
Energy Resource Development

DNC/DM/ag
Attachments
San Juan 29-4 Unit, 3.0

cc: Commissioner of Public Lands
(Information Only)

APPROVED: _____
Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

DATE: _____

APPROVED: _____
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: _____

The foregoing approvals are for the 1978 Drilling Program for the
San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and

Mr. James A. Brown

Western Energy Corporation.

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE 915-543-2600

August 4, 1977

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

No. 552

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
1977 Drilling Program

Gentlemen:

The 1977 Drilling Program for the referenced unit was approved by the regulatory bodies on the following dates:

United States Geological Survey	June 21, 1977
Commissioner of Public Lands	Not Applicable
Oil Conservation Commission	July 5, 1977

Copies of this letter are being sent to the working interest owners of the referenced unit.

Yours very truly,

Derold Maney

Derold Maney
Landman
Land Department
Energy Resource Development

DM:is

SJ 27-4 Unit, 3.03

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Ambercrombie

Amoco Production Company (3)
Attention: Mr. T. M. Curtis
Denver, Colorado 80202

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Mr. Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn

Northwest Pipeline Corporation
Attention: Mr. J. W. Shepardson
Denver Colorado 80202

Northwest Pipeline Corporation
Attention: Mr. F. H. Wood, Manager
Farmington, New Mexico 87401

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown, Trustees under
the Last Will & Testament of A. W. Brown

Western Energy Corporation



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501



DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST
EMERY C. ARNOLD

July 5, 1977

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1977 Drilling Program,
San Juan 29-4 Unit, Rio Arriba
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1977 Drilling Program dated May 27, 1977, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Two approved copies of the program are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: U. S. Geological Survey
Roswell, New Mexico



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
P. O. Box 26124
Albuquerque, New Mexico 87125

JUN 23 1977
JUN 21 1977

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Your revised 1977 plan of development dated May 27, 1977, for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes the drilling of unit well No. 21 as a dual Pictured Cliffs and Mesaverde well in the W $\frac{1}{2}$ sec. 5, T. 29 N., R. 4 W., N.M.P.M. The W $\frac{1}{2}$ sec. 5 is not presently within either the Pictured Cliffs or the Mesaverde participating area.


Four approved copies are enclosed.

Sincerely yours,

Orig. Signed - JAMES W. SUTHERLAND

Area Oil & Gas Supervisor

Enclosures

cc: NMOCC, Santa Fe (ltr. only)  This Copy for
Comm. Pub. Lands, Santa Fe (ltr. only)

May 27, 1977

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit
#14-08-001-1055
Rio Arriba County, New Mexico
1977 Drilling Program

Gentlemen:

By letter of January 25, 1977 El Paso Natural Gas Company as Unit Operator of the San Juan 29-4 Unit filed a Drilling Program for such unit for the calendar year 1977 providing for the drilling of no wells. El Paso wishes to withdraw such no well program and substitute therefor the program hereinafter specified.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	3
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Pictured Cliffs/Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
	<hr/> 16

Pursuant to Section 10 of the San Juan 29-4 Unit agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1977 providing for the drilling of the following dual well:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
#21	W/2 Sec. 5, T-29-N, R-4-W	Pictured Cliffs and Mesaverde

Such well is outside the boundaries of the present participating areas and will be paid for 100% by Amoco Production Company.

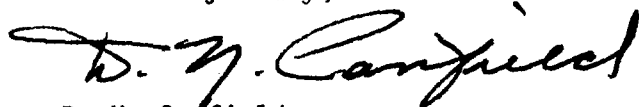
All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Yours very truly,



D. N. Canfield
Director of Land
Energy Resource Development

DNC:JRP:is

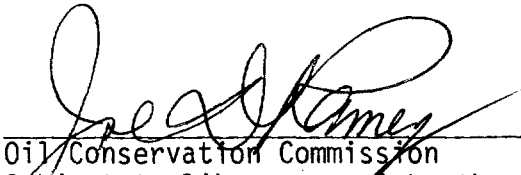
Attachments

San Juan 29-4 Unit, 3.0

c: Commissioner of Public Lands
(Information Only)

United States Geological Survey
Conservation Division
P. O. Box 2612X
Albuquerque, New Mexico 87125
ATTENTION: Mr. James W. Sutherland

APPROVED: _____ DATE: _____
Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

APPROVED:  _____ DATE: July 5, 1977
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

The foregoing approvals are for the 1977 Drilling Program for the
San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and

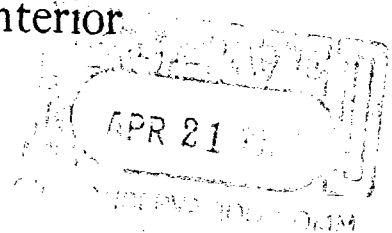
Mr. James A. Brown

Western Energy Corporation



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
P. O. Box 26124
Albuquerque, New Mexico 87125



APR 19 1977

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

This office has reviewed your 1977 plan of development submitted February 25, 1977, for the San Juan 29-4 unit agreement, Rio Arriba County, New Mexico. Such plan proposes no drilling during calendar year 1977.

The San Juan 29-4 unit agreement embracing 23,026.08 acres, more or less, was approved by the Acting Director, U. S. Geological Survey, on September 9, 1953, effective as of the date of approval. Since approval two participating areas have been established. The initial Mesaverde participating area embracing 318.10 acres was approved effective as of September 9, 1953. The most recent enlargement, the third expansion, effective February 1, 1960, increased the Mesaverde participating area to 1,598.10 acres. The initial Pictured Cliffs participating area embracing 320.00 acres was approved effective as of October 30, 1953. The latest revision, the fourth expansion, enlarged the Pictured Cliffs participating area to 1,599.30 acres, effective December 1, 1958. All lands within the participating areas are committed to the unit agreement.

Pursuant to Section 22 of the unit agreement, leases no part of which were included within a participating area on May 18, 1961, were automatically eliminated from the unit effective as of that date, thereby contracting the unit area to 12,468.02 acres, more or less. Currently 9,590.62 acres, more or less, of the unit are not within a participating area. The most recent revision bringing new lands into a participating area, the third Mesaverde expansion, occurred over 17 years ago.

Accordingly, inasmuch as the majority of nonparticipating unit lands remain untested, your 1977 plan of development which proposes no drilling is not acceptable under the terms of Section 10 of the unit agreement. Section 10 provides in part that "Any plan submitted pursuant to this section shall provide for the exploration of the unitized area and for the determination of the area or areas thereof capable of producing unitized substances in paying quantities in each and every productive formation and shall be as complete and adequate as the Supervisor, the Commissioner and the Commission may determine to be necessary for timely development and proper conservation of the oil and gas resources in the unitized area".

All copies of your 1977 plan of development are returned herewith, and you are requested to file, within 30 days, a revised plan proposing as a minimum (1) the drilling of the one Mesaverde well on lands outside the existing participating areas; or (2) that you advise this office of plans to contract the unit to the participating area. In the absence of a plan which meets the foregoing requirements, it will become necessary for this office to recommend that the New Mexico Oil Conservation Commission schedule a formal show-cause hearing as to why the San Juan 29-4 unit agreement should not be contracted to eliminate all lands not in a participating area.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

JAMES W. SUTHERLAND
Area Oil and Gas Supervisor

Enclosures

cc:
BLM, Santa Fe
NMOCC, Santa Fe /
Comm. of Public Lands, Santa Fe

February 25, 1977

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1977 DRILLING PROGRAM

Gentlemen:

By letter dated January 26, 1976, El Paso Natural Gas Company, as Unit Operator of the San Juan 29-4 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1976 providing for the drilling of the No. 20 Pictured Cliffs Well. Well No. 20 was not drilled because of difficulty in obtaining a satisfactory permit to operate the well from the Forest Service. Because of this problem, Well No. 20 will not be carried forward to our 1977 Drilling Program.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	3
Pictured Cliffs (Non-commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs/Mesaverde (Disconnected)	1
Pictured Cliffs/Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
	<u>16</u>

Regional Oil and Gas Supervisor
Oil Conservation Commission
Page Two

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no well during the calendar year 1977.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Yours very truly,

A handwritten signature in black ink, appearing to read "D. N. Canfield", written in a cursive style.

D. N. Canfield
Director of Land
Energy Resource Development

DNC/DW/mb

Attachments

San Juan 29-4 Unit, 3.0

Cc: Commissioner of Public Lands
(Information Only)

APPROVED: _____ DATE: _____
Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

APPROVED: _____ DATE: _____
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

The foregoing approvals are for the 1977 Drilling Program for the
San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

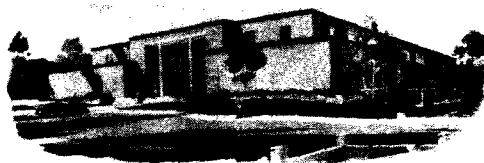
Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown

Western Energy Corporation



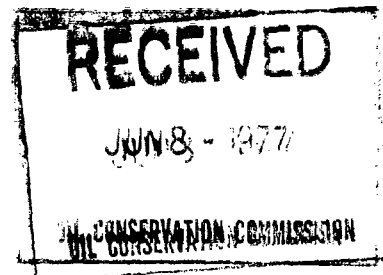
PHIL R. LUCERO
COMMISSIONER

State of New Mexico



Commissioner of Public Lands

June 1, 1977



P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

El Paso Natural Gas Company
P. O. Box 1491
El Paso, Texas 79901

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
1977 DRILLING PROGRAM

Gentlemen:

We are in receipt of one copy of your 1977 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico. This unit has no State of New Mexico lands, therefore, we have filed it for record purposes only.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

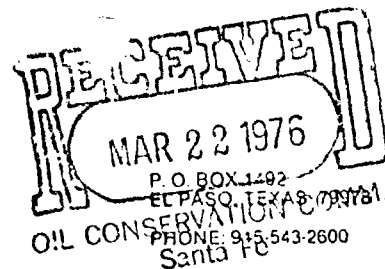
PAL/SGL/s

cc:

OGD-Phoenix, New Mexico
USGS-Albuquerque, New Mexico
OGC- Santa Fe, New Mexico ✓

ILLEGIBLE

El Paso NATURAL GAS
COMPANY



March 17, 1976

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

The 1976 Drilling Programs for the below listed units were approved by the regulatory bodies on the dates indicated:

<u>Unit</u>	<u>USGS</u>	<u>CPL</u>	<u>OCC</u>
San Juan 28-7 Unit	3-12-76	2-2-76	2-12-76
✓ San Juan 29-4 Unit	3-10-76	N/A	2-12-76
Canyon Largo Unit	3-10-76	1-16-76	1-8-76
Huerfanito Unit	3-10-76	1-6-76	1-8-76

Copies of this letter are being sent to the working interest owners of the above units.

Yours very truly,

A handwritten signature in cursive script that reads "Don Wadsworth".

Don Wadsworth
Landman
Land Department
Energy Resource Development

SJ 28-7, 3.0
SJ 29-4
Huerfanito
CLU



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

March 10, 1976

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P.O. Box 1492
El Paso, Texas 79978

Gentlemen:

The 1976 plan of development submitted for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes the drilling of unit well No. 20 to the Pictured Cliffs, which was previously proposed for 1975, and continued evaluation of Project Gasbuggy.

Four approved copies are enclosed.

Sincerely yours,

(ORIG. SCD) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

Enclosure

cc:

Durango (w/cy plan)

NMOCC, Santa Fe (ltr. only) ← This Copy for

Com. Pub. Lands, Santa Fe (ltr. only)

Gasbuggy File

File

JAGillham:dap

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 12, 1976

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1976 Drilling Program,
San Juan 29-4 Unit,
Rio Arriba County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1976 proposing the drilling of one Pictured Cliffs well and continued evaluation of Project Gasbuggy for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Two approved copies of the program are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/BEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

January 26, 1976

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1976 DRILLING PROGRAM

Gentlemen:

By letter dated October 23, 1974, El Paso Natural Gas Company, as Unit Operator, submitted a 1975 Drilling Program for the San Juan 29-4 Unit providing for the continuing evaluation of the Project Gasbuggy experiment and the drilling of the No. 20 Pictured Cliffs well. Well No. 20 was not drilled, but will be drilled during 1976.

The total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	3
Pictured Cliffs (Non-Commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs-Mesaverde (Disconnected)	1
Pictured Cliffs-Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Mesaverde (Disconnected)	1
	<u>16</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Proposed Drilling Program for the drilling of the following described well during the calendar year 1976:

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
20	S/2 Sec. 19, T-29-N, R-4-W	Pictured Cliffs

This well will be drilled as an offset to the Schalk #1-52 well located in the SW/4 of Section 24, T-29-N, R-5-W. If commercial, the well will cause an expansion of the Pictured Cliffs Participating Area.

We also propose that continued evaluation of Project Gasbuggy be included in our 1976 Drilling Program.

In addition to the above well, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells subsequently deemed necessary or desirable by the Unit Operator and the working interest owners.

All of the working interest owners have been contacted, and this Drilling Program reflects the desire of a majority of these working interest owners. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Yours very truly,

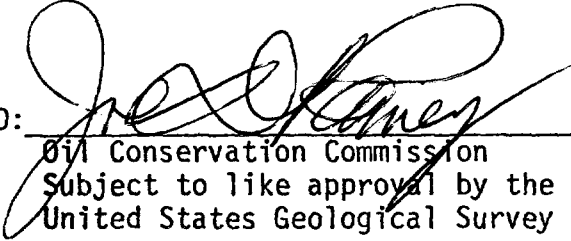


D. N. Canfield
Director of Land
Energy Resource Development

DNC:DW:nm
Attachments
SJ 29-4 Unit 3.0

cc: Commissioner of Public Lands
(Information Only)

APPROVED: _____ DATE: _____
Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

APPROVED:  _____ DATE: Feb. 12, 1976
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Thomas A. Dugan, et ux

Flag Redfern Oil Company

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace and
Mr. James A. Brown

Western Energy Corporation

El Paso Natural Gas Company

El Paso, Texas 79901

March 21, 1975

Regional Oil & Gas Supervision
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: 1975 Drilling Programs

Gentlemen:

The 1975 Drilling Programs for the listed units were approved by the regulatory bodies on the dates indicated.

APPROVAL

<u>Unit</u>	<u>USGS</u>	<u>CPL</u>	<u>OCC</u>
San Juan 27-4	12-2-74	N/A	12-5-74
San Juan 28-4	12-2-74	N/A	12-5-74
✓ San Juan 29-4	12-18-74	N/A	12-4-74
San Juan 29-7	1-6-75	12-3-74	12-5-74
San Juan 30-6	1-6-75	12-3-74	12-5-74
San Juan 32-5	1-6-75	11-1-74	12-5-74
Huerfanito	1-6-75	11-12-74	12-5-74
Huerfano	1-15-75	12-27-74	1-8-75
Lindrith	12-18-74	11-18-74	12-5-74
Rincon	1-6-75	12-3-74	12-5-74

COPY



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

December 18, 1974

552

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P.O. Box 1492
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1975 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Pictured Cliffs well and the continued evaluation of Project Gasbuggy, are enclosed. Such plan was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:

NMOCC, Santa Fe (ltr only)
Com. Pub. Lands, Santa Fe (ltr only)
Durango (w/cy plan)
Gasbuggy file
File

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

December 4, 1974

552

C
O
P
Y

El Paso Natural Gas Company
Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1975 Drilling Program,
San Juan 29-4 Unit,
Rio Arriba Count, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1974, providing for the drilling of one Picured Cliffs well for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

October 23, 1974

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1975 DRILLING PROGRAM

Gentlemen:

By letter dated January 9, 1974, El Paso Natural Gas Company, as Unit Operator, submitted a 1974 Drilling Program for the San Juan 29-4 Unit providing for the continuing evaluation of the Project Gasbuggy experiment. This evaluation was to be considered an appropriate plan of development for the Unit during the calendar year of 1974.

The total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	3
Pictured Cliffs (Non-Commercial)	1
Pictured Cliffs (Plugged and Abandoned)	1
Pictured Cliffs (Disconnected)	1
Pictured Cliffs-Mesaverde (Disconnected)	1
Pictured Cliffs-Mesaverde (Plugged and Abandoned)	1
Wildcat (Plugged and Abandoned)	2
Mesaverde	3
Mesaverde (Plugged and Abandoned)	2
Vesaverde (Disconnected)	1
	<u>16</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Proposed Drilling Program for the drilling of the following described well during the calendar year 1975:

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
20	S/2 Sec. 19, T-29-N, R-4-W	Pictured Cliffs

This well will be drilled as an offset to the Schalk #1-52 well located in the SW/4 of Section 24, T-29-N, R-4-W. If commercial, the well will cause an expansion of the Pictured Cliffs Participating Area.

October 23, 1974

We also propose that continued evaluation of Project Gasbuggy be included in our 1975 Drilling Program.

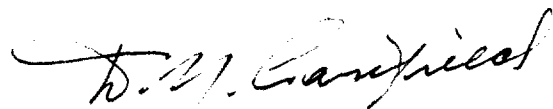
In addition to the above wells, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells subsequently deemed necessary or desirable by the Unit Operator and the working interest owners.

All of the working interest owners have been contacted, and this Drilling Program reflects the desire of a majority of these working interest owners. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

If this Drilling program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Yours very truly,



D. N. Canfield
Director
Land Department
Energy Resource Development

DNC:DW:saw
Attachments
SJ 29-4 Unit 3.0

cc: Commissioner of Public Lands
(Information Only)

APPROVED: _____
Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

DATE: _____

APPROVED _____
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: December 4, 1974

The foregoing approvals are for the San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico, 1975 Drilling Program.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company (3)

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

Thomas A. Dugan, et ux

Flag Redfern Oil Co.

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison, Trustee

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. R. P. Tinnin

Mrs. Evelyn Ellen Wallace &
Mr. James A. Brown, Trustees
Under the Last Will & Testament
of A. W. Brown

Western Energy Corporation

Northwest Pipeline Corporation



United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

February 12, 1974

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P.O. Box 1492
El Paso, Texas 79978

Gentlemen:

On this date, your 1974 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, in which you propose to continue evaluation of Project Gasbuggy, was approved. Such approval is subject to like approval by the appropriate officials of the State of New Mexico.

Three approved copies of the plan are enclosed.

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:

✓ NMOCC, Santa Fe (ltr only)
Com. Pub. Lands, Santa Fe (ltr only)
Durango (w/cy plan)
Gasbuggy File
File

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 15, 1974

552

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1974 Drilling Program
San Juan 29-4 Unit,
Rio Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1974 for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Two approved copies of the program are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

January 9, 1974

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1974 DRILLING PROGRAM

Gentlemen:

By letter dated May 24, 1973, El Paso Natural Gas Company, as Unit Operator, submitted a 1973 Drilling Program for the San Juan 29-4 Unit providing for the continuing evaluation of the Project Gasbuggy experiment. This evaluation was to be considered an appropriate plan of development for the Unit during the calendar year of 1973.

El Paso Natural Gas Company, as Unit Operator, desires to continue its Gasbuggy evaluation during 1974, along with the pressure buildup observations, and periodic collections of gas samples for chemical and radio chemical analysis. El Paso Natural Gas Company respectfully requests that the above-described operations be considered an appropriate plan of development for the subject Unit during 1974.

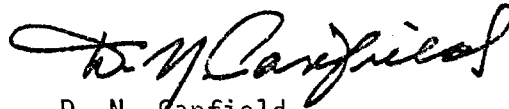
There are no development obligations, and Unit Operator has received no request for additional drilling by the working interest owners. Approvals for any subsequent drilling during the year will be obtained by Supplemental Drilling Program letter in accordance with our previous procedure.

If the foregoing is satisfactory to you, please signify by signing in the space provided on the attached sheet and returning one approved copy.

January 4, 1974

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

Yours very truly,

A handwritten signature in cursive script, appearing to read "D. N. Canfield".

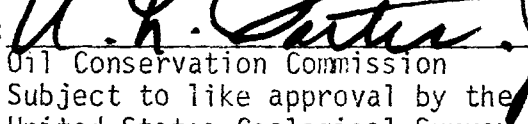
D. N. Canfield
Manager
Land Department
Energy Resource Development

DNC:DW:sn
Enclosure
S.J. 29-4 Unit 3.0

cc: Commissioner of Public Lands
(Information Only)

APPROVED: _____
Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission.

DATE: _____

APPROVED:  _____
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey.

DATE: January 15, 1974

The foregoing approvals are for the San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico, 1974 Drilling Program.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company (3)

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrision, Trustee

N.B.S. Corporation

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. R. P. Tinnin

Mrs. Evelyn Ellen Wallace &
Mr. James A. Brown, Trustees
Under the Last Will & Testament
of A. W. Brown

Western Energy Corporation

Northwest Pipeline Corporation

El Paso Natural Gas Company

El Paso, Texas 79978

June 21, 1973

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

~~Oil~~ Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: 1973 Drilling Program
San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico

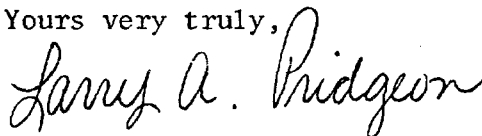
Gentlemen:

The 1973 Drilling Program for the referenced Unit dated May 24, 1973 was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	-	June 18, 1973
Oil Conservation Commission	-	June 6, 1973

Copies of this letter are being sent to the working interest owners of the above-described Unit.

Yours very truly,



Larry A. Pridgeon
Landman, Land Department
Energy Resource Development

LAP:dkc
S.J. 29-4 Unit 3.0

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



United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

502
June 18, 1973

In Reply Refer To:
Gillham/Engr.

El Paso Natural Gas Company
Attention: Mr. James R. Permenter
P.O. Box 1492
El Paso, Texas 79978

Gentlemen:

Two approved copies of your 1973 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing to continue evaluation of Project Gasbuggy, are enclosed. Such plan was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(O.K.C)

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
Denver (w/cy plan)
Durango (w/cy plan)
✓ NMOCC, Santa Fe (ltr only)
Gasbuggy File

JAGillham:ds

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

552

June 6, 1973

El Paso Natural Gas Company
Box 1492
El Paso, Texas 79978

Attention: Mr. James R. Permenter

Re: 1973 Drilling Program
San Juan 29-4 Unit,
Rio Arriba County,
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1973 Drilling Program dated May 24, 1973, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

May 24, 1973

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1973 DRILLING PROGRAM

Gentlemen:

By letter dated December 18, 1972, El Paso Natural Gas Company, as Unit Operator, submitted a 1972 Drilling Program for the San Juan 29-4 Unit providing for the continuing evaluation of the Project Gasbuggy experiment. This evaluation was to be considered an appropriate plan of development for the Unit during the calendar year of 1972.

El Paso Natural Gas Company, as Unit Operator, desires to continue its Gasbuggy evaluation during 1973, along with the pressure buildup observations, and periodic collections of gas samples for chemical and radio chemical analysis. El Paso Natural Gas Company respectfully requests that the above-described operations be considered an appropriate plan of development for the subject Unit during 1973.

There are no development obligations, and Unit Operator has received no request for additional drilling by the working interest owners. Approvals for any subsequent drilling during the year will be obtained by Supplemental Drilling Program letter in accordance with our previous procedure.

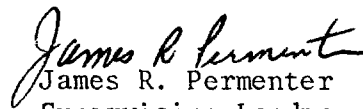
If the foregoing is satisfactory to you, please signify by signing in the space provided on the attached sheet and returning one approved copy.

United States Geological Survey
Oil Conservation Commission
Page Two

May 24, 1973

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

Yours very truly,



James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:LAP:dkc
Enclosures
S.J. 29-4 Unit 3.0


cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____

Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

DATE: _____

APPROVED: _____


Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: June 6, 1973

The foregoing approvals are for the San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico, 1973 Drilling Program.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company (3)

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison, Trustee

N.B.S. Corporation

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &
Mr. James A. Brown, Trustees
Under the Last Will & Testament
of A. W. Brown

Western Energy Corporation

El Paso Natural Gas Company

El Paso, Texas 79999

January 31, 1973

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

~~Oil~~-Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: 1972 DRILLING PROGRAM
San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico

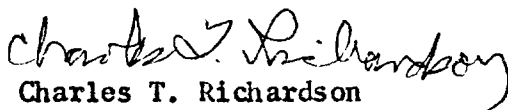
Gentlemen:

The 1972 Drilling Program for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	-	January 11, 1973
Oil Conservation Commission	-	January 11, 1973

Copies of this letter are being sent to the working interest owners of the above-described Unit.

Yours very truly,


Charles T. Richardson
Senior Landman
Land Department
Energy Resource Development

CTR:dks
S.J. 29-4 Unit 3.0

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

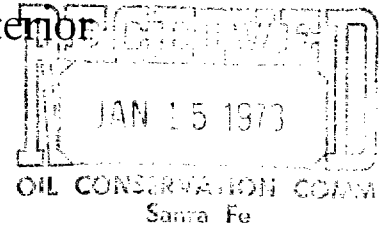
COPY



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201



January 11, 1973

552

Mr. D. N. Canfield
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79978

Dear Mr. Canfield:

On this date, your 1972 plan of development dated December 8, 1972, for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, wherein you propose to continue evaluation of the Project Gasbuggy was approved. Such approval is subject to like approval by the appropriate officials of the State of New Mexico.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) CAR

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
Washington (w/cy plan)
Durango (w/cy plan)
NMOCC, Santa Fe (ltr. only) ✓
Gasbuggy File

JAGillham:lh

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 11, 1973

552

**El Paso Natural Gas Company
Box 1492
El Paso, Texas 79978**

**Re: 1972 Drilling Program
San Juan 29-4 Unit,
Rio Arriba County,
New Mexico**

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1972 Drilling Program dated December 18, 1972, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the program is returned herewith.

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

ALP/JEK/og

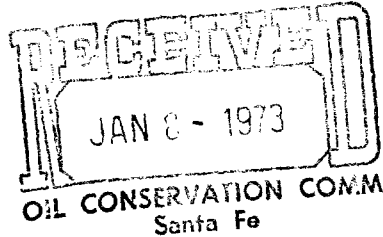
**cc: United States Geological Survey
Box 1857
Roswell, New Mexico**

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas 79978

December 18, 1972



Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1972 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1971, El Paso Natural Gas Company, as Unit Operator, submitted a 1971 Drilling Program for the San Juan 29-4 Unit which provided that the continuing evaluation of the Project Gasbuggy experiment was to be considered an appropriate plan of development for the Unit during the calendar year of 1971.

Unit Operator desires to continue its Gasbuggy evaluation during 1972, and pressure buildup observations and periodic collection of gas samples for chemical and radio chemical analysis will continue.

Therefore, Unit Operator respectfully requests that the above-described operations be considered as an appropriate plan of development for subject Unit during 1972. Approvals for any subsequent drilling during the year will be obtained by Supplemental Drilling Program letter in accordance with our previous procedure.

There are no development obligations, and Unit Operator has received no request for additional drilling by working interest owners.

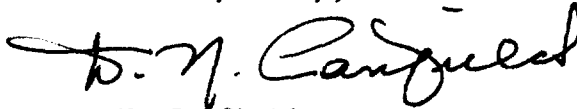
United States Geological Survey
Oil Conservation Commission
Page Two

December 18, 1972

If the foregoing is satisfactory to you, please signify by signing in the space provided on the attached sheet and returning one approved copy.

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

Yours very truly,

A handwritten signature in dark ink, appearing to read "D. N. Canfield", written in a cursive style.

D. N. Canfield
Manager
Land Department
Energy Resource Development

DNC:CTR:nja
Enclosures
S.J. 29-4 Unit 3.0

cc: Commissioner of Public Lands
(Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____

Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

DATE: _____

APPROVED: _____

A. L. Carter
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: *January 11, 1973*

The foregoing approvals are for the San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico, 1972 Drilling Program.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Amoco Production Company (3)

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison, Trustee

N.B.S. Corporation

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &
Mr. James A. Brown, Trustees
Under the Last Will & Testament
of A. W. Brown

Western Energy Corporation

El Paso Natural Gas Company

El Paso, Texas 79999

January 29, 1971

11 FEB 2 1971

552

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: 1971 DRILLING PROGRAMS
San Juan and Rio Arriba
Counties, New Mexico

Gentlemen:

The 1971 Drilling Programs for the following Units were approved by the Regulatory Bodies on the dates indicated.

<u>Unit</u>	<u>USGS</u>	<u>CPL</u>	<u>OCC</u>
San Juan 28-4 Unit #14-08-001-933	1-26-71	None Required	1-15-71
San Juan 28-5 Unit #14-08-001-949	1-26-71	None Required	1-15-71
San Juan 29-4 Unit ✓ #14-08-001-1055	1-26-71	None Required	1-13-71
San Juan 30-5 Unit #14-08-001-346	1-26-71	1-12-71	1-14-71
San Juan 32-7 Unit #14-08-001-441	1-26-71	1-13-71	1-14-71

January, 29, 1971

Copies of this letter are being sent to the working interest owners of the above described Units.

Yours very truly,

A handwritten signature in cursive script, appearing to read "Charles Higgins".

Charles Higgins
Supervising Landman
Land Department

CH:CTR:khs

S.J. 28-4 Unit 3.0

S.J. 28-5 Unit 3.0

S.J. 29-4 Unit 3.0

S.J. 30-5 Unit 3.0

S.J. 32-7 Unit 3.0



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

IN REPLY REFER TO:

JAN 28 AM 8 12 '71

January 26, 1971

352

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1971 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells and the continuation of the evaluation of Project Gasbuggy, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

N. O. FREDERICK
Regional Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Durango (w/cy of plan)
NMOCC, Santa Fe (ltr. only) ✓
Gasbuggy File

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 13, 1971

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. T. W. Bittick

Re: 1971 Plan of Development
San Juan 29-4 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1971 Plan of Development dated January 6, 1971, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 1970

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1971 Drilling Program

Gentlemen:

By letter dated January 6, 1970, El Paso Natural Gas Company, as Unit Operator, submitted a 1970 Drilling Program for the San Juan 29-4 Unit which provided that the continuing evaluation of the Project Gasbuggy experiment was to be considered as an appropriate plan of development for the Unit during the calendar year of 1970.

Unit Operator desires to continue its Gasbuggy evaluation during 1971, and pressure buildup observations and periodic collection of gas samples for chemical and radio chemical analysis will continue. In addition, production tests may be performed on one or more of the wells within 500 feet of the Gasbuggy chimney.

Therefore, Unit Operator respectfully requests that the above-described operations be considered as an appropriate plan of development for subject Unit during 1971. Approvals for any subsequent drilling during the year will be obtained by Supplemental Drilling Program letter in accordance with our previous procedure.

There are no development obligations and Unit Operator has received no request for additional drilling by the working interest owners.

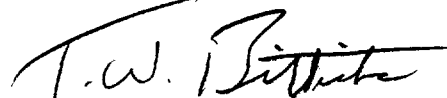
Regional Oil & Gas Supervisor
Oil Conservation Commission
Page Two

January 6, 1970

If the foregoing is satisfactory to you, please signify by signing in the space provided on the attached sheet and returning one approved copy.

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

Yours very truly,

A handwritten signature in dark ink, appearing to read "T. W. Bittick", written in a cursive style.

T. W. Bittick
Manager
Land Department

TWB:CTR:nja
Enclosures
SJ 29-4, 3.0

cc: Commissioner of Public Lands (Information Only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____

Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

DATE: _____

APPROVED: _____

A. L. Porter, Jr.
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: *January 13, 1971*

This approval is for the San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County,
New Mexico, 1971 Drilling Program.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Estate of Algernon W. Brown

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison, Trustee

N.B.S. Corporation

Pan American Petroleum Corporation (3)

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Western Energy Corporation

El Paso Natural Gas Company

El Paso, Texas 79999

February 4, 1970

552

Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: 1970 DRILLING PROGRAMS,
San Juan and Rio Arriba
Counties, New Mexico

Gentlemen:

The 1970 Drilling Programs for the following Units were approved by the Regulatory Bodies on the dates indicated:

<u>Units</u>	<u>United States Geological Survey</u>	<u>Commissioner of Public Lands</u>	<u>Oil Conservation Commission</u>
San Juan 28-4 Unit #14-08-001-933	January 30, 1970	None Required	January 21, 1970
San Juan 29-4 Unit #14-08-001-1055	January 29, 1970	None Required	January 21, 1970
San Juan 29-5 Unit #14-08-001-437	January 30, 1970	January 19, 1970	January 21, 1970
San Juan 30-4 Unit #14-08-001-1056	January 29, 1970	None Required	January 22, 1970
San Juan 31-6 Unit #14-08-001-464	January 30, 1970	January 15, 1970	January 22, 1970
Lindrith Unit I Sec. No. 713	January 29, 1970	January 15, 1970	January 21, 1970

Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page 2

February 4, 1970

Copies of this letter are being sent to the working interest owners
of the above described Units.

Yours very truly,

Charles Higgins
Charles Higgins
Supervising Landman
Land Department

CH:CTR:sf
S.J. 28-4, 3.0
S.J. 29-4, 3.0
S.J. 29-5, 3.0
S.J. 30-4, 3.0
S.J. 31-6, 3.0
Lindrith, 3.0



United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

RECEIVED
FEB 3 1970
MAIL ROOM

January 29, 1970

552

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1970 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells and the continuance of Project Gasbuggy, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGE) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Durango (w/cy of Plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)
Gasbuggy File

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 21, 1970

552

**El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999**

Attention: Mr. T. W. Bittick

**Re: 1970 Drilling Program
San Juan 29-4 Unit, Rio
Arriba County, New Mexico**

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1970 Drilling Program dated January 6, 1970, for the San Juan 29-4 Unit, Rio Arriba, County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the program is returned herewith.

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

**ALP/JEK/og
Enclosure**

**cc: United States Geological Survey
Roswell, New Mexico**

C
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JAN 14 1970

January 15, 1970

C
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Y

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
1970 DRILLING PROGRAM

ATTENTION: Mr. T. W. Bittick

Gentlemen:

This will acknowledge receipt of the 1970 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico. This unit contains no State of New Mexico lands, however, we have this date filed it for record purposes only.

Enclosed are two copies of the Drilling Program surplus to our need.

Very truly yours,

Ted Bilberry, Director
Oil and Gas Department

TB/ML/s
encls.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 1970

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1970 DRILLING PROGRAM

Gentlemen:

By letter dated February 11, 1969, El Paso Natural Gas Company, as Unit Operator, submitted a 1969 Drilling Program for the San Juan 29-4 Unit which provided that the continuing evaluation of the Project Gasbuggy experiment was to be considered as an appropriate plan of development for this Unit during the calendar year of 1969. On August 1, 1969, Unit Operator submitted a Supplemental 1969 Drilling Program providing for the drilling of the GB-3 evaluation well. Both of these Programs were approved by the regulatory bodies and the GB-3 Well was completed during 1969. The well was extensively cored and logged and is presently being monitored to determine the extent of communication with the emplacement hole.

Unit Operator desires to continue its Gasbuggy evaluation during 1970, and respectfully requests that such operations again be considered as an appropriate plan of development for subject Unit during 1970. Approvals for subsequent drilling during the year will be obtained by Supplemental Drilling Program letter in accordance with our previous procedure.

There are no development obligations and Unit Operator has received no request for additional drilling by the working interest owners.


If the foregoing is satisfactory to you, please signify by signing in the space provided on the attached sheet and returning one approved copy.

Mr. John A. Anderson
Oil Conservation Commission
Page 2

January 6, 1970

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

Yours very truly,



T. W. Bittick
Manager
Land Department

TWB:CTR:sf
Enclosures
San Juan 29-4, 3.0

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____

Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the Oil
Conservation Commission of the State
of New Mexico.

DATE: _____

APPROVED: _____

A. H. Porter
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey.

DATE: *January 21, 1970*

The foregoing approvals are for the 1970 Drilling Program for the San Juan 29-4 Unit, #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Estate of Algernon W. Brown

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison, Trustee

N.B.S. Corporation

Pan American Petroleum Corporation (3)

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Western Energy Corporation

El Paso Natural Gas Company

El Paso, Texas 79999

November 12, 1969

NOV 14 1969

552

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: 1969 SUPPLEMENTAL DRILLING PROGRAMS
San Juan 29-4 Unit #14-08-001-1055
Canyon Largo Unit #14-08-001-1059
Rincon Unit I Sec. No. 916
Rio Arriba County, New Mexico

Gentlemen:

The following 1969 Supplemental Drilling Programs were approved by the Regulatory Bodies on the dates indicated:

1. San Juan 29-4 Unit, First Supplemental Drilling Program dated August 1, 1969:

United States Geological Survey	- August 19, 1969
Commissioner of Public Lands	- No approval necessary
Oil Conservation Commission	- November 3, 1969

2. Canyon Largo Unit:
 - a. First Supplemental Drilling Program dated July 23, 1969:

United States Geological Survey	- August 6, 1969
Commissioner of Public Lands	- July 24, 1969
Oil Conservation Commission	- November 3, 1969

Mr. John A. Anderson
Commissioner of Public Lands
Oil Conservation Commission
Page 2

November 12, 1969

- b. Second Supplemental Drilling Program dated
September 4, 1969:

United States Geological Survey - September 19, 1969
Commissioner of Public Lands - September 9, 1969
Oil Conservation Commission - November 3, 1969

3. Rincon Unit, First Supplemental Drilling Program dated
September 5, 1969:

United States Geological Survey - September 19, 1969
Commissioner of Public Lands - September 12, 1969
Oil Conservation Commission - November 3, 1969

Copies of this letter are being sent to the working interest owners
of the above-described Units.

Yours very truly,


Charles Higgins
Supervising Landman
Land Department

CH:CTR:sf
San Juan 29-4, 3.0
Canyon Largo, 3.0
Rincon Unit, 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 3, 1969

552

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: Supplemental 1969 Drilling
Program, San Juan 29-4
Unit, Rio Arriba County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Supplemental 1969 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

One approved copy of the supplemental program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

AAP/JEK/og

cc: United States Geological Survey - Roswell

C
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IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drainage 1857
Roswell, New Mexico 88201

556
August 19, 1969

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your supplemental plan of development for 1969, dated August 1, 1969, for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Pictured Cliffs well to further evaluate the results of Project Gasbuggy, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:

Washington (w/cy. of plan)
Farmington (w/cy. of plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)
Gasbuggy File

El Paso Natural Gas Company

El Paso, Texas 79999

August 1, 1969

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (Information Only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055,
Rio Arriba County, New Mexico,
1969 SUPPLEMENTAL DRILLING PROGRAM

Gentlemen:

By letter dated February 11, 1969, El Paso Natural Gas Company submitted a Drilling Program for the San Juan 29-4 Unit for the calendar year 1969. This Drilling Program requested approval for the continued evaluation of the Project Gasbuggy experiment be considered an appropriate plan of development for the San Juan 29-4 Unit for the calendar year 1969. This Drilling Program was approved by the appropriate Regulatory Bodies in March of 1969.

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company hereby submits a Supplemental Drilling Program for 1969 providing for the drilling of the following well:

<u>Well Name</u>	<u>Location</u>	<u>Formation</u>
GB-3	SW/4 Section 36 T-29-N, R-4-W	Pictured Cliffs


This well will be located approximately 250 feet North Northwest of GB-E and will be drilled to a depth of 4,600 feet unless drilling problems are encountered which preclude further drilling before reaching the projected total depth.

APPROVED: _____

Oil & Gas Supervisor, United States Geological Survey
Subject to like approval by the Oil Conservation
Commission of the State of New Mexico

DATE: _____

APPROVED: _____


Oil Conservation Commission
Subject to like approval by the United States
Geological Survey

DATE: Nov 3, 1969

The foregoing approvals are for the Supplemental 1969 Drilling Program for the
San Juan 29-4 Unit, #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Estate of Algernon W. Brown

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield (PC)

General American Oil Company of Texas (PC)

Lt. Col. Langdon Dewey Harrison, Trustee

N.B.S. Corporation

Pan American Petroleum Corporation (3) (PC)

Phillips Petroleum Company

Mr. H. O. Pool

Mr. Joe Quinn

Mr. M. A. Romero

Mr. Robert P. Tinnin

Western Energy Corporation (PC)

El Paso Natural Gas Company

El Paso, Texas 79999

March 11, 1969

69 MAR 13 AM 10 19

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: 1969 DRILLING PROGRAM
San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico

Gentlemen:

The 1969 Drilling Program for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	March 3, 1969
Oil Conservation Commission	March 6, 1969

It was not necessary to obtain approval of this Drilling Program by the Commissioner of Public Lands. Copies of this letter are being sent to the working interest owners of the above described Unit.

Yours very truly,


Charles Higgins
Supervising Landman
Land Department

CH:JS:sf

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

San Juan 29-4 Unit 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE. NEW MEXICO 87501

March 6, 1969

552

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1969 Drilling Program
San Juan 29-4 Unit,
Rio Arriba County, New
Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Drilling Program for the calendar year 1969 for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell
Commissioner of Public Lands - Santa Fe

C
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

PH 1 00
MAR 4 1969

March 3, 1969

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1969 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells and the continuance of Project Gasbuggy, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIGINAL FILED IN 100-100000-1000)

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy. of plan)
Farmington (w/cy. of plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)
Gasbuggy File

El Paso Natural Gas Company

El Paso, Texas 79999

February 11, 1969

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands (Information Only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1969 DRILLING PROGRAM

Gentlemen:

By letter dated January 8, 1968, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the calendar year 1968, which described the Gasbuggy experiment post-shot evaluation that was proposed as the Drilling Program for 1968.

The most significant events that took place during 1968 were that re-entry drilling into the emplacement hole (GB-E) was completed when communication with top of the chimney was accomplished January 10, 1968, at a depth of 3907'. Gas samples, pressures and temperatures were taken and analyzed and monitored regularly thereafter. A limited production testing program was commenced on June 28, 1968 and completed on July 14, 1968.

A long-range production test was initiated on November 4, 1968 and is still underway. By regulating pressures and flow rates and analyzing gas samples taken periodically, the effects of the nuclear stimulation experiment will be determined and they will be reflected in technical reports available to the public.

The continuing evaluation procedure described is expected to last throughout the calendar year 1969. It is respectfully requested that this continued evaluation of the Project Gasbuggy experiment be considered an appropriate plan of development for the San Juan 29-4 Unit for the

-2-

calendar year 1969. There are no development obligations and Unit Operator has received no request for additional drilling by the working interest owners.

If the foregoing is satisfactory to you, please signify by signing in the space provided on the attached sheet and returning one approved copy.

Copies of this Drilling Program are being sent to the working interest owners on the attached sheet.

Yours very truly,

A handwritten signature in cursive script, appearing to read "T. W. Bittick".

T. W. Bittick
Manager
Land Department

TWB:JS:sf
Enclosures --
San Juan 29-4 Unit 3.0

APPROVED: _____

Oil & Gas Supervisor, United States Geological Survey
Subject to like approval by the Oil Conservation
Commission of the State of New Mexico.

DATE: _____

APPROVED: _____

Oil Conservation Commission
Subject to like approval by the United States
Geological Survey

DATE: March 3, 1969

The foregoing approvals are for the 1969 Drilling Program for the San Juan 29-4 Unit,
#14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie

Estate of Algernon W. Brown
Mr. James A. Brown and
Mrs. Evelyn Ellen Wallace, Trustees

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. Robert Critchfield

General American Oil Company of Texas

N.B.S. Corporation

Pan American Petroleum Corporation (3)

Western Energy Corporation

Mr. H. O. Pool

Mr. Joe Quinn

Lt. Col. Langdon Dewey Harrison, Trustee

Mr. M. A. Romero

Mr. Robert P. Tinnin

Phillips Petroleum Company

El Paso Natural Gas Company

El Paso, Texas 79999

February 27, 1968

552

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

MAIL OFFICE

✓ Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

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Re: 1968 DRILLING PROGRAM
San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico

Gentlemen:

The 1968 Drilling Program for the referenced Unit was approved by the regulatory bodies on the dates indicated:

United States Geological Survey	January 29, 1968
Oil Conservation Commission	February 19, 1968

Copies of this letter are being sent to the working interest owners of the above described Unit.

Yours very truly,

Charles Higgins

Charles Higgins
Supervising Landman
Land Department

CH:JS:vb

San Juan 29-4 Unit - 3.0

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

552

February 19, 1968

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P
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El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1968 Drilling Program
San Juan 29-4 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1968 Drilling Program dated January 8, 1968, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
Roswell, New Mexico



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

January 29, 1968

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1968 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells and the continuance of Project Gasbuggy, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIGINAL SENT BY AIR MAIL)

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy. of plan)
Farmington (w/cy. of plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)
Gasbuggy File

MAIN OFFICE
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ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas 79999

January 8, 1968

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

For Information Only:
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

MAIN OFFICE

'68 JAN 10 AM 8 39

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1968 DRILLING PROGRAM

Gentlemen:

By letter dated January 17, 1967, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the calendar year 1967 consisting of the performance of the Project Gasbuggy experiment. This Program provided for the drilling of pre-shot test wells and an emplacement hole in the SW/4 of Sec. 36, T-29-N, R-4-W. The yield of the nuclear explosive to be emplaced and detonated was then stated to be 20 kilotons.

Following the signing of the contract on January 31, 1967 by the Atomic Energy Commission, the U. S. Department of Interior and El Paso Natural Gas Company for the performance of the test, drilling operations were commenced at the test site. Pre-shot activity consisted of the drilling of two test wells through the Pictured Cliffs formation that were extensively cored, the core samples conventionally and chemically analyzed and subjected to various characteristic tests of strength and compressibility. Hydrological analysis and production testing without stimulation of the formation was also conducted.

The information obtained was that the Pictured Cliffs sandstone, extending from 3,916 to 4,202 feet below the surface, had the following reservoir characteristics: a net volume of 4.7 bcf of gas-in-place, average permeability of .016 millidarcys; porosity 10% and water saturation 58%. The first pre-shot test well, GB-1, was located approximately 190 feet northwest of the emplacement hole site and GB-2, the second pre-shot test well, 300 feet east of the emplacement hole site. The designed yield of the explosive was 26 kilotons.

The 28" diameter emplacement hole was drilled and cased through the Pictured Cliffs formation. Following emplacement of the nuclear explosive with 7" casing, the emplacement hole was stemmed with concrete, sand and a liquid polymer to prevent venting. Both GB-1 and GB-2, as well as the San Juan 29-4 No. 10 well, located approximately 436 feet north and west of the emplacement hole, were also stemmed.

Detonation of the explosive was successfully accomplished at 12:30 P.M. December 10, 1967. Following the detonation, gas samples for analysis of chemical reactions and radioactive content of the gas will be obtained by drilling through the 7" emplacement casing. Samples will be taken at regular intervals. Production testing is expected to commence within eight or nine months as that period of time will permit decay of certain of the short-lived radioactive products, such as Xenon and Iodine.

The present plan is to re-enter GB-2 to determine whether noticeable fracturing has occurred at that distance from the point of explosion. Assuming significant permeability increase is found at GB-2, a new well will be drilled at a distance greater than 300 feet from the emplacement hole to determine how far effective fracturing occurs. If there is no significant permeability increase at GB-2, this well may be located closer than 300 feet from the emplacement hole.

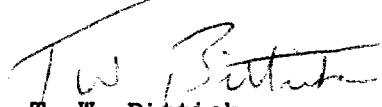
Instrumentation at the surface and in the test site wells provided data as to the seismic effects which will lead to a better understanding of the overall underground effect of the explosion. Based on information that will be obtained, it is believed that accurate estimates can be made of the dimensions of the underground chimney and the lateral extent of the fractures. The information obtained will be reported through technical papers at appropriate times. General summaries of the information obtained will also be furnished by the Unit Operator.

No other wells were drilled within the San Juan 29-4 Unit except those described herein and one for instrumentation purposes by the Department of Defense. However, these should not be considered conventional wells and the tabulation of the total number of wells in the Unit as stated in the letter of January 17, 1967 should remain unchanged.

Continuation of the Project Gasbuggy experiment as outlined above is considered to constitute an appropriate plan of development for the San Juan 29-4 Unit for the calendar year 1968. El Paso, as Unit Operator, has previously obtained the consent of the affected Unit working interest owners for performance of this experiment and submits that there are no development obligations or requests for additional drilling by the working interest owners. Therefore, it is respectfully requested that you grant approval to this proposed plan of development by so signifying in the space provided on the attached sheet and returning one approved copy.

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

Very truly yours,



T. W. Bittick
Manager
Land Department

TWB:HG:cjt
Attachments

San Juan 29-4 Unit, 3.0

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas 77401

Estate of Algernon W. Brown
Mr. James A. Brown and
Mrs. Evelyn Ellen Wallace, Trustees
Park Drive South
Rye, New York 10580

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York 10580

Mr. James A. Brown
Park Drive South
Rye, New York 10580

Mr. Robert Critchfield *
Gay Acres Farm
Wooster, Ohio 44691

General American Oil Company of Texas *
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas, Texas 75206

N.B.S. Corporation
c/o Mr. Robert E. Fox
Attorney at Law
P. O. Box 1769
Santa Fe, New Mexico 87501

Pan American Petroleum Corporation (3) *
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Pecos Land and Development Co., Inc. *
P. O. Box 6206
Santa Fe, New Mexico 87501

Mr. H. O. Pool
P. O. Box 1585
Scottsdale, Arizona 85251

Mr. Joe Quinn
908 Longwood Loop
Mesa, Arizona 85201

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn
Consolidated Mail Room
Box 4075
Holloman AFB, New Mexico 87723

Mr. M. A. Romero
P. O. Box 1906
Santa Fe, New Mexico 87501

Mr. Robert P. Tinnin
P. O. Box 1854
Albuquerque, New Mexico 87108

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202


* Indicates those owners with
interests in the Pictured Cliffs
Participating Area affected by
this experiment.

APPROVED: _____

Supervisor, United States Geological Survey,
Subject to like approval by the appropriate
State Officials.

DATE: _____

APPROVED: _____


Oil Conservation Commission
Subject to like approval by the
United States Geological Survey.

DATE: Feb 19, 1968

The foregoing approvals are for the 1968 Drilling Program for the San Juan
29-4 Unit, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

El Paso, Texas 79999

May 4, 1967

MAIN OFFICE

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Mr. John A. Anderson
Regional Oil and Gas Supervisor
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: 1967 DRILLING PROGRAMS
Rio Arriba and San Juan Counties
New Mexico

Gentlemen:

The 1967 Drilling Programs for the following Units were approved by the regulatory bodies on the dates indicated:

1. Cox Canyon Unit, I Sec. No. 946:

Commissioner of Public Lands -	January 20, 1967
Oil Conservation Commission -	January 24, 1967
United States Geological Survey -	February 20, 1967
2. Huerfano Unit, I Sec. No. 943:

United States Geological Survey -	January 24, 1967
Commissioner of Public Lands -	February 3, 1967
Oil Conservation Commission -	April 26, 1967
3. Lindrith Unit, I Sec. No. 713:

United States Geological Survey -	March 30, 1967
Commissioner of Public Lands -	March 2, 1967
Oil Conservation Commission -	April 11, 1967
4. San Juan 27-4 Unit, #14-08-001-1054:

United States Geological Survey -	February 20, 1967
Commissioner of Public Lands -	January 18, 1967
Oil Conservation Commission -	January 26, 1967

Mr. John A. Anderson,
Commissioner of Public Lands and
Oil Conservation Commission

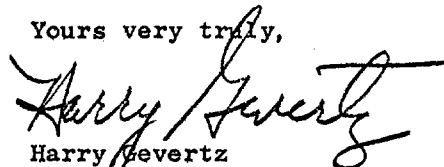
-2-

May 4, 1967

5. San Juan 28-4 Unit, #14-08-001-933:
United States Geological Survey - February 14, 1967
Commissioner of Public Lands - January 18, 1967
Oil Conservation Commission - April 26, 1967
6. San Juan 29-4 Unit, #14-08-001-1055: ✓
United States Geological Survey - February 9, 1967
Commissioner of Public Lands - March 2, 1967
Oil Conservation Commission - March 28, 1967
7. San Juan 29-5 Unit, #14-08-001-437:
United States Geological Survey - February 20, 1967
Commissioner of Public Lands - February 23, 1967
Oil Conservation Commission - April 11, 1967

Copies of this letter are being sent to the working interest owners
of the above described Units.

Yours very truly,


Harry Gevertz
Supervising Landman
Land Department

HG:JS:cjt

Cox Canyon Unit, Huerfanito Unit,
Lindrith Unit, San Juan 27-4 Unit,
San Juan 28-4 Unit, San Juan 29-4
Unit, San Juan 29-5 Unit - 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

552

March 28, 1967

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El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. Harry Gevertz

Re: 1967 Drilling Program
San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1967 Drilling Program dated January 17, 1967, for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

The proposals set forth in the program pertaining to "Project Gas Buggy" were presented to the Commission on February 15, 1967, in Case No. 3527 and were authorized by Order No. R-3197. This approval is granted insofar as the proposal outlined in your letter dated January 17, 1967, is not in conflict with the provisions of Order No. R-3197.

One approved copy of the 1967 Drilling Program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands - Santa Fe
U. S. Geological Survey - Roswell

State of New Mexico



Commissioner of Public Lands



March 2, 1967

GUYTON B. HAYS
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas, 79999

Re: San Juan 29-4 Unit
Rio Arriba County, New
Mexico
1967 Drilling Program

ATTENTION: Mr. Harry Gevertz

Gentlemen:

The Commissioner of Public Lands is in receipt of your 1967 Drilling Program for the captioned unit, since this unit does not contain any State of New Mexico land and since no provision was made for the Commissioner's approval, we have this date accepted them for filing.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
Ted Bilberry, Director
Oil and Gas Department

GBH/MMR/s
encl.1.
cc: USGS-Roswell
OCC-Santa Fe



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drilled 1857
Roswell, New Mexico 88201

February 9, 1967

El Paso Natural Gas Company
P. O. Box 1402
El Paso, Texas 79901

Attention: Mr. Harry Gervitz

Gentlemen:

Your plan of development for 1967 for the San Juan 23-4 unit, providing for the drilling of certain wells to the Pictured Cliffs formation and fracturing the formation with a nuclear explosive, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

Notices and reports required under 30 CFR 221.57 through 221.60 for wells drilled to a potential oil or gas bearing formation must be submitted to our Farmington office. Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
El Paso Natural Gas Company
Washington (w/cy of plan)
Farmington (w/cy of plan)
H.M.O.C.C., Santa Fe (ltr. only) ✓
Conn. Pub. Lands, Santa Fe (ltr. only)

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas 79999

January 17, 1967

RECEIVED
JAN 20 1967

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico

For Information Only:
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1967 DRILLING PROGRAM

Gentlemen:

By letter dated February 24, 1966, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1966. Said program provided for the drilling of no wells and none were drilled in subject unit during 1966.

As of this date the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	4
Pictured Cliffs, Non-Commercial	1
Pictured Cliffs - Mesaverde	1
Mesaverde	3
Mesaverde-Dakota (Plugged and Abandoned in Dakota)	1
Mesaverde, Non-Commercial	1
Farmington - Mesaverde (Plugged and Abandoned)	1
Mesaverde (Plugged and Abandoned)	3
	<u>15</u>

The following wells are located on lands that have been eliminated from said unit. These wells will not be carried on future drilling programs for said unit:

Pictured Cliffs (Plugged and Abandoned)	
(San Juan 29-4 Unit #15-25, E/2 Sec. 25,	
T-29-N, R-4-W)	1
Pictured Cliffs-Mesaverde (Plugged and	
Abandoned) San Juan 29-4 Unit #3, W/2	
Section 22, T-29-N, R-4-W, N.M.P.M.	$\frac{1}{2}$

Following the completion of the Project Gasbuggy feasibility study, El Paso Natural Gas Company proposed to the United States Atomic Energy Commission on June 17, 1965, that an actual field test be conducted to determine whether stimulation of a low permeability gas reservoir by the use of a nuclear explosive is technically and economically feasible. The site and formation proposed for this test is the SW/4 of Section 36, Township 29 North, Range 4 West, N.M.P.M., in the Pictured Cliffs Formation. Two copies of this feasibility study are attached for your information and use.

El Paso's proposal to participate in such a test, as subsequently amended, was accepted by the Atomic Energy Commission and the funding for this experiment has been approved. El Paso and government representatives are now preparing a definitive agreement setting forth the responsibilities of the participants. It is expected that the resulting contract will be executed by the Department of the Interior, the United States Atomic Energy Commission and El Paso Natural Gas Company early in February, 1967.

Upon execution of this contract El Paso will wish to proceed with the commencement of operations at the test site; namely the drilling of one, or possibly two, Pictured Cliffs pre-shot test wells in the SW/4 of Section 36, Township 29 North, Range 4 West, involving extensive coring, core analyses, logging and hydrologic study program. Following completion of these wells, production tests will be conducted for a period of up to six months. Upon verification of the acceptability of the SW/4 of Section 36 as an appropriate test site, the Atomic Energy Commission will drill an emplacement hole with 16" I.D. casing to a total depth of approximately 4,200 feet to accommodate the nuclear explosive. After emplacement of the nuclear explosive, a 20-kiloton yield device rather than a 10-kiloton as stated in the study, the hole will be sealed with sand, pea gravel, and concrete plugs so that none of the explosive products or gas will be vented to the atmosphere. The pre-shot test wells and the San Juan 29-4 Unit #10 Well will be similarly plugged. All aspects of this test involving the nuclear explosive and resulting products and effects will be conducted under the direct supervision and control of the Atomic Energy Commission.

A re-entry well will be drilled into or adjacent to the underground chimney created by the explosive shortly after detonation, with adequate equipment to prevent possible blow-out or escape of substances from the chimney. Gas samples for analyses will be obtained from the re-entry hole and possibly the emplacement hole, and these wells will then be shut-in for a period of up to eight months to permit decay of the short-lived radioactive products such as Xenon and Iodine. At that time extensive production testing will be commenced. One or more additional wells will be drilled to the Pictured Cliffs Formation in the vicinity of the emplacement hole to provide additional production information and better establish the extent of fracturing and the resulting area of effective drainage caused by the explosive.

The gas produced from the pre-shot wells prior to detonation will be flared as it is expected that only an insignificant amount will be involved and more important, the flow measurements will not be influenced by fluctuating line pressures. Based on previous experience in this area, it is estimated that the gross value of flared gas will be considerably less than \$5,000.00. The gas initially produced from the re-entry hole will similarly have to be disposed of by flaring or some other method determined to be safe by the Atomic Energy Commission until such time as the radioactive content is within safe limits. The duration of this test is presently estimated to extend for a period of two to three years following detonation. Upon the conclusion of the testing period and the determination that this gas can be safely introduced into the existing transmission system, the well will be permanently connected to a gathering facility. At that time payment of royalty and normal allocation of production to the respective interest owners will be made.

Approval for the conduct of this test is also being requested from the Oil Conservation Commission of the State of New Mexico. The expected date for this Commission Hearing is February 15, 1967. It is the intention and agreement of El Paso Natural Gas Company and the governmental participants in this experiment to cooperate with and to keep all interested agencies and parties advised on the progress of and information obtained during all stages of this project. A technical and public information program is now being developed to insure that goal. Should you require further detailed information in order to approve this project, such information will be furnished upon your request. Engineering specifications on all phases of this experiment are presently being developed, and those pertaining to all pre-shot activities will be furnished to you within the next few weeks.

El Paso, as Unit Operator, has obtained the consent of the affected unit working interest owners for performance of this experiment and submits that there are no development obligations or requests for additional drilling by the working interest owners. Therefore, in view of the many possible benefits to be derived from this test, it is respectfully requested that you grant approval to this project as constituting an appropriate plan of development by so signifying in the

space provided on the attached sheet and returning an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

Harry Gevertz
Supervising Landman
Land Department

HG:ct
attachments

APPROVED: _____ DATE: _____

Supervisor, United States Geological
Survey, Subject to like approval by
the appropriate State Officials.

APPROVED:  _____

DATE: March 28, 1967

Oil Conservation Commission
Subject to like approval by the
United States Geological Survey.

The foregoing approvals are for the 1967 Drilling Program for the
San Juan 29-4 Unit, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Estate of Algernon W. Brown
Mr. James A. Brown and
Mrs. Evelyn Ellen Wallace, Trustees
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. James A. Brown
Park Drive South
Rye, New York

Mr. Robert Critchfield *
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas *
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas, Texas

N.B.S. Corporation
c/o Mr. Robert E. Fox
Attorney at Law
P. O. Box 1769
Santa Fe, New Mexico 87501

Pan American Petroleum Corporation (3) *
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Pecos Land and Development Co., Inc. *
P. O. Box 6206
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1585
Scottsdale, Arizona

Mr. Joe Quinn
908 Longwood Loop
Mesa, Arizona 85201

Lt. Col. Langdon Dewey Harrison
Trustee for Omega E. Quinn
Consolidated Mail Room
Box 4075
Holloman AFB, New Mexico

Mr. M. A. Romero
P. O. Box 1906
Santa Fe, New Mexico

Mr. Robert P. Tinnin
P. O. Box 1854
Albuquerque, New Mexico

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

* Indicates those owners with
interests in the Pictured Cliffs
Participating Area affected by
this experiment.

El Paso Natural Gas Company

El Paso, Texas 79999

April 13, 1966

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1966 DRILLING PROGRAM

Gentlemen:

The 1966 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - March 29, 1966
2. Commissioner of Public Lands, - March 14, 1966
State of New Mexico
3. Oil Conservation Commission, - April 5, 1966
State of New Mexico

Copies of this letter are being sent to all the working interest owners of the San Juan 29-4 Unit.

Very truly yours,

EL PASO NATURAL GAS COMPANY



Harry Gevertz
Supervising Landman
Land Department

HG:GWO:sb

SJ 29-4, 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

50 ✓

April 5, 1966

C
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P
Y

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1966 Drilling Program
San Juan 29-4 Unit, Rio
Arriba County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1966 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
Santa Fe, New Mexico

MAILED
MAR 30 1966
Drawer 1237
Roswell, New Mexico 88201

March 29, 1966

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1966 plan of development dated February 24, 1966, for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SCD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil & Gas Supervisor

cc:
Washington (w/cy of plan)
Farmington (w/cy of plan)
N.M.O.C.C. - Santa Fe (ltr. only) ✓
Com. of Pub. Lands - Santa Fe (ltr. only)

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas 79999

February 24, 1966

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1966 DRILLING PROGRAM

Gentlemen:

By letter dated March 4, 1965, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1965. Said program provided for the drilling of no wells and none were drilled in subject unit during 1965.

As of this date the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	4
Pictured Cliffs, Non-Commercial	1
Pictured Cliffs-Mesaverde	1
Mesaverde	3
Mesaverde-Dakota (Plugged and Abandoned in Dakota)	1
Mesaverde, Non-Commercial	1
Farmington-Mesaverde (Plugged and Abandoned)	1
Mesaverde (Plugged and Abandoned)	<u>3</u>
	15

APPROVED: _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.

DATE: _____

APPROVED: _____
Commissioner of Public Lands
Subject to like approval by the United
States Geological Survey and the
Oil Conservation Commission

DATE: _____

APPROVED: G. H. Porter, Jr.
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands

DATE: 4-5-66

The foregoing approvals are for the 1966 Drilling Program for the San Juan 29-4
Unit, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Estate of Algernon W. Brown
Mr. James A. Brown and Mrs.
Evelyn Ellen Wallace, Trustees
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. James A. Brown
Park Drive South
Rye, New York

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

N.B.S. Corporation
c/o Mr. Robert E. Fox
Attorney at Law
P. O. Box 1713
Santa Fe, New Mexico

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, New Mexico

Pecos Land and Development Co., Inc.
P. O. Box 416
Santa Fe, New Mexico

Phillips Petroleum Company
Attention: Mr. A. J. Hintze
623 Frank Phillips Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Mr. C. W. Corbett
1200 Denver Club Building
Denver 2, Colorado

Mr. H. O. Pool
P. O. Box 1585
Scottsdale, Arizona

Mr. Joe Quinn
Route 4, Box 4196
Mesa, Arizona

Langdon Dewey Harrison, Trustee for
Mrs. Omega E. Quinn
5212 Carswell Drive
Biggs A.F.B., Texas

Mr. M. A. Romero
P. O. Box 1906
Santa Fe, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

El Paso Natural Gas Company

El Paso, Texas

April 6, 1965

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico

Re: San Juan 29-4 Unit, #14-08-001-1055
Rio Arriba County, New Mexico
1965 DRILLING PROGRAM

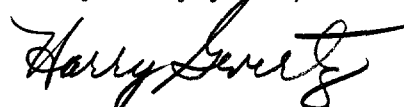
Gentlemen:

The 1965 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - March 30, 1965
2. Commissioner of Public Lands, - March 11, 1965
State of New Mexico
3. Oil Conservation Commission, - March 24, 1965
State of New Mexico

Copies of this letter are being sent to all the working interest owners of the San Juan 29-4 Unit.

Very truly yours,



Harry Gevertz
Regional Landman
Land Department

HG:GWO:kf

SJ 29-4, 3.0

Drawer 1837
Roswell, New Mexico 86201

March 30, 1965

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen: /

Your 1965 plan of development for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is enclosed.

Sincerely yours,

(ORIG. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Farmington (w/cy of plan)
NMOCC, Santa Fe (ltr only) ✓
Com. of Pub. Lands, Santa Fe (ltr only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

552

March 24, 1965

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1965 Drilling Program
San Juan 29-4 Unit,
Rio Arriba County, New
Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1965 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

cc: Commissioner of Public Lands

United States Geological Survey
Roswell

C
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P
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March 11, 1965

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
1965 Plan of Development

Gentlemen:

This office does not believe it necessary for the operator to obtain the Commissioner's approval on documents pertaining to units which do not contain State of New Mexico land.

We will approve this particular plan for the San Juan 29-4 Unit as a courtesy. However, in the future, we will return them unapproved when the papers pertain to units not containing State of New Mexico land.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
(Mr.) Ted Bilberry, Director
Oil and Gas Department

GBH/mmr/d
Enclosure

cc: United States Geological Survey
Oil Conservation Commission

El Paso Natural Gas Company

El Paso, Texas

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

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

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1965 DRILLING PROGRAM

Gentlemen:

By letter dated April 14, 1964, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1964. Said program provided for the drilling of no wells and none were drilled in subject unit during 1964.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	6
Pictured Cliffs, Plugged and Abandoned	1
Mesaverde	6
Mesaverde, Plugged and Abandoned	3
Dual, Pictured Cliffs-Mesaverde	1
Dual, Farmington-Mesaverde	1
	<hr/>
	18

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1965, providing for the drilling of no wells during the year.

All of the working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit obligations have been satisfied.


El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances, and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners due to changing conditions that may arise.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return as approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

Sam Smith, Manager
Land Department

S3:CTR:s1

APPROVED: _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.

DATE: _____

APPROVED: _____
Commissioner of Public Lands
Subject to like approval by the United
States Geological Survey and the
Oil Conservation Commission.

DATE: _____

APPROVED: A. L. Carter, Jr.
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: 3.24.65

The foregoing approvals are for the 1965 Drilling Program for the San Juan 29-4
Unit, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Estate of Algernon W. Brown
Mr. James A. Brown and Mrs.
Evelyn Ellen Wallace, Trustees
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. James A. Brown
Park Drive South
Rye, New York

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

N.B.S. Corporation
c/o Mr. Robert E. Fox
Attorney at Law
P. O. Box 1713
Santa Fe, New Mexico

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, New Mexico

Pecos Land and Development Co., Inc.
P. O. Box 416
Santa Fe, New Mexico

Phillips Petroleum Company
Attention: Mr. A. J. Hintze
623 Frank Phillips Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Mr. C. W. Corbett
1200 Denver Club Building
Denver 2, Colorado

Mr. H. O. Pool
P. O. Box 1585
Scottsdale, Arizona

Mr. Joe Quinn
Route 4, Box 4196
Mesa, Arizona

Langdon Dewey Harrison, Trustee for
Mrs. Omega E. Quinn
5212 Carswell Drive
Biggs A.F.B., Texas

Mr. M. A. Romero
P. O. Box 1906
Santa Fe, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

El Paso Natural Gas Company

El Paso, Texas

November 18, 1964

NOV 20 1964

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

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

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1964 DRILLING PROGRAM

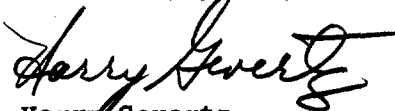
Gentlemen:

The 1964 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - May 14, 1964
2. Commissioner of Public Lands - November 6, 1964
3. Oil Conservation Commission - November 9, 1964

Copies of this letter are being sent to the working interest owners of the San Juan 29-4 Unit.

Very truly yours,



Harry Gevertz
Regional Landman
Land Department

HG:MB:js

SJ 29-4, 3.0

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

582

November 9, 1964

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1964 Drilling Program
San Juan 29-4 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1964 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og
cc: U. S. Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

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MAIN OFFICE 000

'64 Nov 9 AM 10 51

November 6, 1964

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
1964 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands approved as of November 6, 1964, the 1964 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one approved copy of this Program.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

BY:

Ted Bilberry, Director
Oil & Gas Department

ESW/mar/v

cc: United States Geological Survey
Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas 79999

MAILED
OCT 29 1964
AM

October 29, 1964

Commissioner of Public Lands
State of New Mexico
Post Office Box 1148
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1964 DRILLING PROGRAM

Gentlemen:

Our records indicate that we may not have received your approval for El Paso's proposed Drilling Program for the calendar year 1964 for the captioned Unit. This program was submitted to you in our letter of April 14, 1964.

If you have furnished us with a copy of your approval, we would appreciate your so advising us; and, if you have not furnished us with such copy, it is requested that you let us know when we may expect to receive it.

Your help in this matter will be appreciated.

Very truly yours,

Harry Gevertz

Harry Gevertz
Regional Landman
Land Department

HG:GWO:JS

SJ 29-4, 3.0

11/9/64

COPY

El Paso Natural Gas Company

El Paso, Texas

1964 APR 17 PM 1:22

April 14, 1964

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1964 DRILLING PROGRAM

Gentlemen:

By letter dated February 7, 1963, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1963. Said program provided for the drilling of no wells and none were drilled in subject unit during 1963.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	6
Pictured Cliffs, Plugged and Abandoned	1
Mesaverde	6
Mesaverde, Plugged and Abandoned	3
Dual, Pictured Cliffs-Mesaverde	1
Dual, Farmington-Mesaverde	<u>1</u>
	18

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1964, providing for the drilling of no wells during the year.

All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their desires for additional drilling and El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances, and any other wells deemed necessary or desirable by the Unit Operator and the affected working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 
Sam Smith, Manager
Land Department

SS:GWO:js

APPROVED: _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.

DATE: _____

APPROVED: _____
Commissioner of Public Lands
Subject to like approval by the United
States Geological Survey and the
Oil Conservation Commission.

DATE: _____

APPROVED: *A. J. Carter, L*
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: *11-9-64*

The foregoing approvals are for the 1964 Drilling Program for the San Juan 29-4
Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Estate of Algernon W. Brown
Mr. James A. Brown and Mrs.
Evelyn Ellen Wallace, Trustees
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. James A. Brown
Park Drive South
Rye, New York

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

N.B.S. Corporation
c/o Mr. Robert E. Fox
Attorney at Law
P. O. Box 1713
Santa Fe, New Mexico

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, New Mexico

Pecos Land and Development Co., Inc.
P. O. Box 416
Santa Fe, New Mexico

Phillips Petroleum Company
Attention: Mr. A. J. Hintze
402 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Mr. C. W. Corbett
1200 Denver Club Building
Denver 2, Colorado

Mr. H. O. Pool
P. O. Box 1585
Scottsdale, Arizona

Mr. Joe Quinn
Route 4, Box 4196
Mesa, Arizona

Mrs. Omega E. Quinn
c/o Mildred Ellis
P. O. Box 625
Taos, New Mexico

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

El Paso Natural Gas Company

El Paso, Texas

May 16, 1963

552

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1963 DRILLING PROGRAM

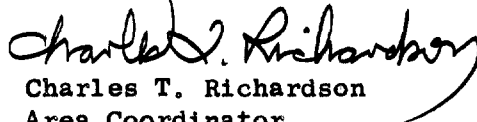
Gentlemen:

The 1963 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 2, 1963
2. Commissioner of Public Lands - February 15, 1963
3. Oil Conservation Commission - May 2, 1963

Copies of this letter are being sent to all the working interest owners of the San Juan 29-4 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:js

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

552

May 2, 1963

C
O
P
Y

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1963 Drilling Program
San Juan 29-4 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1963 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/ig

cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
Roswell, New Mexico

MAIL OFFICE 000

1963 APR 5 AM 8:29 Drawer 1857
Roswell, New Mexico

April 2, 1963

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1963 plan of development dated February 7, 1963, for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

(Orig. Sgd.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Washington (w/cy of plan)
Farmington (w/cy of plan)
NMOCC - Santa Fe (ltr. only)
Com. of Pub. Lands - Santa Fe (ltr. only)

MAIN OFFICE CCC
1963 FEB 15 PM 4:33

February 15, 1963

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Re: San Juan 29-4 Unit,
Rio Arriba County,
New Mexico 1963
Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands has approved as of this date the 1963 Drilling Program for the San Juan 29-4 Unit Area, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

We are returning one approved copy.

Very truly yours,

E. S. Johnny Walker
COMMISSIONER OF PUBLIC LANDS

BY:
(Mrs.) Marian M. Rhea
Supervisor, Unit Division

BSW/mm/e
encl: United States Geological Survey
cc: Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas

February 7, 1963

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. C. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1963 DRILLING PROGRAM

Gentlemen:

By letter dated March 15, 1962, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1962. Said Program provided for the drilling of no wells during the 1962 calendar year.

As of this date, the total number of wells in the San Juan 29-4 Unit is as follows:

Pictured Cliffs	6
Pictured Cliffs, Plugged and Abandoned	1
Mesaverde	6
Mesaverde, Plugged and Abandoned	3
Dual, Pictured Cliffs-Mesaverde	1
Dual, Farmington-Mesaverde	1
	<u>18</u>

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit this Drilling Program that provides for the drilling of no wells during the period from January 1, 1963 to December 31, 1963.

All of the working interest owners have been contacted and this Drilling Program reflects, insofar as possible, their desires for additional drilling and El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances, and any other wells deemed necessary or desirable by the Unit Operator and the affected working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 
Sam Smith, Manager
Land Department

SS:GWO:ag

APPROVED: _____

Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.


DATE: _____

APPROVED: _____

Commissioner of Public Lands
Subject to like approval by the United
States Geological Survey and the
Oil Conservation Commission.

DATE: _____

APPROVED: _____


Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: 5.2.63

The foregoing approvals are for the 1963 Drilling Program for the
San Juan 29-4 Unit #14-08-001-1055, Rio Arriba County, New Mexico.

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Estate of Algernon W. Brown
Mr. James A. Brown and Mrs.
Evelyn Ellen Wallace, Trustees
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. James A. Brown
Park Drive South
Rye, New York

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

N.B.S. Corporation
c/o Mr. Robert E. Fox,
Attorney at Law
P. O. Box 1713
Santa Fe, New Mexico

Pan American Petroleum Corporation (12)
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, New Mexico

Pecos Land and Development Co., Inc.
P. O. Box 416
Santa Fe, New Mexico

Phillips Petroleum Company
Attention: Mr. R. F. Rood
402 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attn: C. W. Corbett, Manager
Exploration & Production Dept.
1200 Denver Club Building
Denver 2, Colorado

Mr. H. O. Pool
P. O. Box 1585
Scottsdale, Arizona

Mr. Joe Quinn
Route 4, Box 4196
Mesa, Arizona

Mrs. Omega E. Quinn
c/o Mildred Ellis
P. O. Box 625
Taos, New Mexico

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

El Paso Natural Gas Company

El Paso, Texas

May 18, 1962

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 29-4 Unit
1962 Drilling Program


Gentlemen:

The 1962 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - May 10, 1962
2. Commissioner of Public Lands - March 21, 1962
3. Oil Conservation Commission - March 28, 1962

Copies of this letter are being sent to the working interest owners of the San Juan 29-4 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:js



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico

1962 MAY 15 PM 1:29

May 10, 1962

552

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your 1962 plan of development dated March 9, 1962, for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, has been approved on this date, subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

[Orig. Sgd.] CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Regional Oil & Gas Supervisor

Copy to: Washington (w/cy of plan)
Farmington (w/cy of plan)
NMOCC-Santa Fe (ltr only) ✓
Com. of Pub. Lands-Santa Fe (ltr only)

C. L. CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 28, 1962

C
O
P
Y

El Paso Natural Gas Company
Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Re: 1962 Drilling Program
San Juan 29-4 Unit
Rio Arriba County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1962 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

cc: U. S. Geological Survey - Roswell
Commissioner of Public Lands - Santa Fe

ILLEGIBLE

March 21, 1962

C
O
P
Y

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Re: San Juan 29-4 Unit
Rio Arriba County,
New Mexico, 1962
Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner has of this date approved the 1962 Drilling Program for the San Juan 29-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are enclosing two copies of this Plan.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

ESW/smr/v
cc: U. S. Geological Survey
Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas

1962 MAR 19 PM 5 20

~~RECEIVED~~ 1962 MAR 19

March 15, 1962

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P.O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P.O. Box 871
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
1962 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, respectfully submits a Drilling Program for the calendar year 1962 which provides for the drilling of no wells. The 1961 Plan of Development called for the drilling of no wells.

There have been seventeen wells drilled in the unit; a summary follows:

<u>FORMATION</u>	<u>NO. OF WELLS</u>
Mesaverde	8 (2 plugged & abandoned)
Pictured Cliffs	7 (1 plugged & abandoned)
Mesaverde-Pictured Cliffs	1
Mesaverde-Farmington	<u>1</u>
	17

As Unit Operator, El Paso Natural Gas Company has contacted all working interest owners within the unit in order to determine whether any such owners desired wells to be drilled during 1962. No working interest owner has requested such development.

In view of our present evaluation of the unit, El Paso Natural Gas Company, as Unit Operator, does not plan to drill any new wells in the unit during 1962.

We will continue to survey the unit and if it is determined that it would be economically advisable to do additional drilling in this unit, such will be commenced. In addition, El Paso Natural Gas Company will drill any offset wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected acreage.

If this program is acceptable, please indicate your approval in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By


Sam Smith, Manager
Land Department

SS:PNP:cah
Attachment

SAN JUAN 29-4 UNIT
Working Interest Owners

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Estate of Algernon W. Brown
Mr. James A. Brown and Mrs.
Evelyn Ellen Wallace, Trustees
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. James A. Brown
Park Drive South
Rye, New York

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

N.B.S. Corporation
c/o Mr. Robert E. Fox, Attorney at Law
P. O. Box 1713
Santa Fe, New Mexico

Pan American Petroleum Corporation (12)
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, New Mexico

Pecos Land and Development Co., Inc.
P. O. Box 416
Santa Fe, New Mexico

Phillips Petroleum Company
Attention: Mr. R. F. Rood or Mr. V. H.
508 Bank Building
Bartlesville, Oklahoma Stone

Phillips Petroleum Company
Attention: Division Landman
Land & Geological Department
1200 Denver Club Building
Denver 2, Colorado

Mr. H. O. Pool
P. O. Box 1585
Scottsdale, Arizona

Mr. Joe Quinn
Route 4, Box 4196
Mesa, Arizona

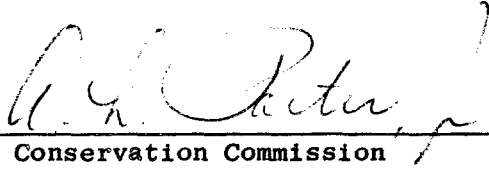
Mrs. Omega E. Quinn
P. O. Box 7336
Albuquerque, New Mexico

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate State
officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the United States
Geological Survey and the Oil Conservation
Commission.

APPROVED:  DATE: 3/29/62
Oil Conservation Commission
Subject to like approval by the United States
Geological Survey and the Commissioner of Public
Lands.

The foregoing approvals are for the 1962 Drilling Program for the San Juan
29-4 Unit, #14-08-001-1055, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

El Paso, Texas

001552

July 26, 1961

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit, #14-08-001-1055
AUTOMATIC ELIMINATION FROM UNIT AREA

Gentlemen:

Pursuant to Section 22 of the San Juan 29-4 Unit Agreement, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, hereby advises that the following described tracts are eliminated from the subject unit.

Inasmuch as no portion of the following described leases was included within a participating area as of May 18, 1961, nor were drilling operations in progress on said leases at that time, the provisions of Section 22 apply. The leases to be eliminated effective as of May 18, 1961, are described as follows:

<u>UNIT</u> <u>TRACT NO.</u>	<u>LEASE NO.</u> <u>AND DATE</u>	<u>DESCRIPTION</u>
1	SF 079526 8-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 1: Lots 3,4,5,6,9,10,11,14, SW/4 NW/4, NW/4 SW/4 Sec. 11: NE/4 Sec. 12: Lots 1,2, S/2 NW/4 Sec. 13: All Containing 1,251.80 acres

<u>UNIT</u> <u>TRACT NO.</u>	<u>LEASE NO.</u> <u>AND DATE</u>	<u>DESCRIPTION</u>
1-A	SF 079526-A 8-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 1: Lots 13,15, S/2 NE/4 SE/4, SE/4 SE/4 Sec. 2: Lots 1,2,3,4, S/2 N/2, S/2 (All) Sec. 12: E/2, SW/4 Containing 1,231.72 acres
2	SF 079584 10-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 11: W/2, SE/4 Sec. 14: E/2 Containing 800.00 acres
6	SF 079759 11-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 23: All Containing 640.00 acres
7	SF 079759-A 11-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 20: All Sec. 21: All Sec. 22: All Containing 1,920.00 acres
8	SF 079760 11-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 25: All Sec. 26: All Containing 1,280.00 acres
9	SF 079760-A 11-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 27: All Sec. 28: All Containing 1,280.00 acres
12	SF 079762 11-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 14: SW/4 Sec. 24: All Containing 800.00 acres
13	SF 079762-A 11-1-48	T-29-N, R-4-W, N.M.P.M. Sec. 32: E/2, SW/4 Containing 480.00 acres
14	SF 079893 4-1-51	T-29-N, R-4-W, N.M.P.M. Sec. 19: Lots 1,2, E/2 NW/4, NE/4 Containing 319.48 acres

<u>UNIT TRACT NO.</u>	<u>LEASE NO. AND DATE</u>	<u>DESCRIPTION</u>
16	SF 080521 4-1-52	T-29-N, R-4-W, N.M.P.M. Sec. 1: Lots 7,8,12 Containing 75.40 acres
17	NM 0858 12-1-49 Surrendered to U. S.	T-29-N, R-4-W, N.M.P.M. Sec. 14: NW/4 Sec. 32: NW/4 Containing 320.00 acres
18	Unleased	T-29-N, R-4-W, N.M.P.M. H.E.S. 281 in Sections 1 and 12 Containing 159.66 acres

Therefore, pursuant to the terms of Section 22 of the San Juan 29-4 Unit Agreement, Tracts 1, 1-A, 2, 6, 7, 8, 9, 12, 13, 14, 16, 17, and 18 are automatically eliminated from the Unit Area as of May 18, 1961.


As a result of this elimination, the San Juan 29-4 Unit Area is contracted to a total of 12,468.02 acres.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By


Sam Smith, Manager
Land Department

SS:OL:cah

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

Mr. J. R. Abercrombie
P.O. Box 224
Bellaire, Texas

Estate of Algernon W. Brown
Mr. James A. Brown and Mrs.
Evelyn Ellen Wallace
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. James A. Brown
Park Drive South
Rye, New York

Champlin Oil & Refining Company
Attention: Mr. C. Taylor Pruitt
P.O. Box 9365
Fort Worth 7, Texas

Champlin Oil & Refining Company
Attention: Mr. Jack Yeisley
2501 First National Bank Building
Denver 2, Colorado

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Mr. Roger B. Owings
1220 Fair Building
Fort Worth 2, Texas

Pan American Petroleum Corporation (12)
Attention: Mr. L. O. Speer, Jr.
P.O. Box 480
Farmington, New Mexico

Phillips Petroleum Company
Attention: Mr. R.F. Rood or R.A. Brown
508 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Division Landman
Land & Geological Department
1200 Denver Club Building
Denver 2, Colorado

Mr. H. O. Pool
P.O. Box 1585
Scottsdale, Arizona

Mr. Joe Quinn
Route 4, Box 4196
Mesa, Arizona

Mrs. Omega E. Quinn
P.O. Box 7336
Albuquerque, New Mexico

Mr. M. A. Romero
P.O. Box 2011
Santa Fe, New Mexico

NBS Corporation
c/o Robert E. Fox,
Attorney at Law
P.O. Box 1713
Santa Fe, New Mexico

Mr. Robert P. Tinnin
P.O. Box 896
Albuquerque, New Mexico

C 31.
El Paso Natural Gas Company

El Paso, Texas

March 30, 1961

Case 1052

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 1837
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P.O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit
1961 Drilling Program

Gentlemen:

The 1961 Drilling Program for the San Juan 29-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - March 1, 1961
2. Commissioner of Public Lands - March 10, 1961
3. Oil Conservation Commission - March 22, 1961

Copies of this letter are being sent to the working interest owners of the San Juan 29-4 Unit.

Very truly yours,

Charles Higgins
Charles Higgins
Area Coordinator
Land Department

CH:WVC:cah

C CONSERVATION COMMISSION

P. O. BOX 871
SANTA FE, NEW MEXICO

Case # 552

March 22, 1961

C
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

O
Attention: Mr. Sam Smith

Re: 1961 Plan of Development
San Juan 29-4 Unit Rio
Arriba County, New Mexico.

D
Gentlemen:

Y
This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1961 Plan of Development for the San Juan 29-4 Unit Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/ig

cc: Commissioner of Public Lands
Santa Fe, New Mexico

U. S. Geological Survey
Roswell, New Mexico



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Case #552

P.O. Box 6721
Roswell, New Mexico

March 1, 1961

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development for 1961, dated January 20, 1961, for the San Juan 29-4 unit area, Rio Arriba County, New Mexico, which proposes the drilling of no additional wells, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

[Orig. Sgd.] JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Washington (w/cy of plan)
Farmington (w/cy of plan)
NMOCC, Santa Fe (ltr. only)

In reply refer to:
Unit Division

February 10, 1961

C
O
P
Y
El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Re: 1961 Drilling Program
San Juan 29-4 Unit
Rio Arriba County, New Mexico

Attention: Mr. Sam Smith

Gentlemen:

There being no State lands within the boundaries of the San Juan 29-4 Unit Area, the Commissioner of Public Lands herewith approves the 1961 Drilling Program as a matter of record.

We are enclosing two approved copies of the Development Plan.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

ESW/mmz/s

cc: US Geological Survey
Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas

January 20, 1961

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: 1961 Plan of Development
San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico

Gentlemen:

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, respectfully submits herewith for your approval a Unit Plan of Development for the year 1961. The 1960 Plan of Development called for the drilling of no wells.

There have been seventeen wells drilled in the unit; a summary follows:

<u>Formation</u>	<u>No. of Wells</u>
Mesaverde	8 (2 plugged & abandoned)
Pictured Cliffs	7 (1 plugged & abandoned)
Mesaverde-Pictured Cliffs	1
Mesaverde-Farmington	<u>1</u>
	17

As Unit Operator, El Paso Natural Gas Company has canvassed all working interest owners within the unit in order to determine whether any such owners desired wells to be drilled on their holdings during 1961. No working interest owner has requested such development.

A large part of this unit is scheduled for automatic elimination on May 18, 1961, and the owners of this acreage have been specifically advised of the proposed elimination. The following acreage is scheduled to be eliminated from the unit on May 18, 1961:

Sections 1,2,11,12,13,14, N/2 of 19, 20,
21,22,23,24,25,26,27,28,32

In view of the low initial potentials and deliverability of the wells drilled, the lack of desire for further activity on the part of the other working interest owners, and in view of the large amount of acreage which will be eliminated, El Paso Natural Gas Company, as Unit Operator, does not plan to drill any new wells on the unit during 1961.

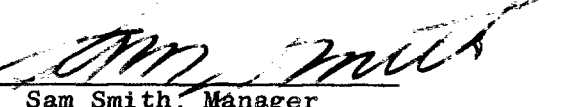
We will continue to survey the unit and if it is determined that it would be economically advisable to do additional drilling in this unit such will be commenced. In addition, El Paso Natural Gas Company will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners in the affected acreage.

If this program is acceptable, please indicate your approval in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 
Sam Smith, Manager
Land Department

SS:WVC:cah

SAN JUAN 29-4 UNIT
Working Interest Owners

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. James W. Goss

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or R. A. Brown

Mr. Roger B. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. M. A. Romero
Post Office Box 2011
Santa Fe, New Mexico

Mr. J. R. Abercrombie
Post Office Box 224
Bellaire, Texas

Mr. C. Taylor Pruitt
Champlin Oil & Refining Company
Post Office Box 9365
Fort Worth 7, Texas

Mr. Jack Yeisley
Champlin Oil & Refining Company
2501 First National Bank Building
Denver 2, Colorado

Mr. Robert P. Tinnin
Post Office Box 906
Albuquerque, New Mexico

Mr. James A. Brown
Park Drive South
Rye, New York

Mr. James A. Brown,
Trustee for Algernon W. Brown
Park Drive South
Rye, New York

Mr. L. O. Speer, Jr. (12)
Pan American Petroleum Corporation
Post Office Box 480
Farmington, New Mexico

Evelyn E. Wallace & James A. Brown, Trustees
Under the Will of Algernon W. Brown
Park Drive South
Rye, New York

Mrs. Evelyn G. Brown
Park Drive South
Rye, New York

Mr. Joe Quinn
Route 4, Box 4196
Mesa, Arizona

Mrs. Omega E. Quinn
4127 Hyer, Apt. 44
Dallas 5, Texas

Messrs. Carl H. Gilbert & Morey Goodman,
Mrs. Anita S. Friedman, Co-Executors of
the Estate of N. B. Stern
Bishop Building
Santa Fe, New Mexico

Mr. H. O. Pool
Post Office Box 1585
Scottsdale, Arizona

APPROVED: _____
United States Geological Survey
Subject to like approval by the
appropriate State Officials.

DATE: _____

APPROVED: _____
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey and
the Oil Conservation Commission.

DATE: _____

APPROVED: A. H. Patten Jr.
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
the Commissioner of Public Lands.

DATE: 3-22-61

The foregoing approvals are for the 1961 Drilling Program for the San Juan 29-4 Unit
#14-08-001-1055, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

1960 JUN 3 PM 1:11 El Paso, Texas

May 27, 1960

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit Area #14-08-001-1055
Rio Arriba County, New Mexico
NOTICE OF APPROVAL OF THE 1960
DRILLING PROGRAM

Gentlemen:

This is to advise you that the 1960 Drilling Program for the San Juan 29-4 Unit Area was approved as follows:

1. Supervisor, United States Geological Survey
on May 23, 1960.
2. Commissioner of Public Lands of the State of New Mexico
on April 25, 1960.
3. Oil Conservation Commission of the State of New Mexico
on May 25, 1960.

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

Very truly yours,

Charles Higgins

Charles Higgins
Area Landman
Land Department

CH:DTB:js

Attachment

WORKING INTEREST OWNERS

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. A. Brown or
Mr. R. F. Rood

Mr. L. O. Speer, Jr. (12)
Pan American Petroleum Corp.
P. O. Box 487
Farmington, New Mexico

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Mr. Joe Quinn
Rt. 4, Box 72
Mesa, Arizona

Mrs. Omega E. Quinn
4105 Emerson, Apt. 11
Dallas, Texas

Messrs. Carl H. Gilbert & Morey Goodman,
Mrs. Anita S. Friedman, Co-Executors of
The Estate of N. B. Stern, Deceased
Bishop Building
Santa Fe, New Mexico

SAN JUAN 29-4 UNIT

Mr. H. O. Pool
P. O. Box 708
Santa Fe, New Mexico

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown,
Trustee for Algernon W. Brown
14 Axtell Drive
Scarsdale, New York

Mr. Robert B. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. C. Taylor Pruitt
Champlin Oil & Refining Co.
P. O. Box 9365
Fort Worth 7, Texas

Mr. Jack Yeisley
Champlin Oil & Refining Co.
2501 First National Bank Bldg.
Denver 2, Colorado

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

C. CONSERVATION COMMISSION

P. O. BOX 871
SANTA FE, NEW MEXICO

May 25, 1960

C El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

ATTENTION: Mr. Sam Smith

O RE: 1960 Plan of Development
San Juan 29-4 Unit Rio
Arriba County, New Mexico

Gentlemen:

P This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1960 Plan of Development for the San Juan 29-4 Unit Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Y One approved copy of the plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/ig

cc: U. S. Geological Survey - Roswell
State Land Office - Santa Fe

RECEIVED
P. O. Box 6721
1960 MAY 23 PM 4:25
Santa Fe, New Mexico

May 23, 1960

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development for 1960, dated April 19, 1960, for the San Juan 29-4 unit area, No. 14-08-001-1055, Rio Arriba County, New Mexico, in which you propose to drill no additional wells, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Very truly yours,

John A. Anderson

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Enclosures

Copy to: Washington (w/cy of plan)
Farmington (w/cy of plan)
NMOCC, Santa Fe (ltr only) ✓
Com. of Pub. Lands, Santa Fe (ltr only)

In reply refer to:
Unit Division

April 26, 1960

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Re: 1960 Plan of Development
San Juan 29-4 Rio Arriba County

ATTENTION: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands is approving this document merely to expedite this Plan of Development. Our signature has no force or effect since there is no State land within the boundaries of the San Juan 29-4 Unit Area.

We are enclosing two approved copies of this plan.

Very truly yours,
MURRAY E. MORGAN
Commissioner of Public Lands

BY:
Ted Biherry, Supervisor
Oil and Gas Division

MEM/MMR/s
cc:

Oil Conservation Commission
Santa Fe, New Mexico

United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

El Paso Natural Gas Company

El Paso, Texas

April 19, 1960

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: 1960 Plan of Development
San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico

Gentlemen:

Pursuant to Section 10 of the San Juan 29-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, respectfully submits herewith for your approval, a Unit Plan of Development for the year 1960.

The 1959 Plan of Development called for the drilling of one Mesa-verde well and at least one well to be drilled to the Dakota Formation. This obligation was fulfilled with the drilling of Well #18-33 in the NE/4 of Section 33, Township 29 North, Range 4 West, which found the Dakota Formation to be nonproductive and consequently was plugged back to the Mesaverde Formation. The well was completed on December 12, 1959, and the Mesaverde Formation tested 1302 MCF/D by the calculated open-flow and choke volume equaled 1287 MCF/D.

As Unit Operator, we have canvassed all working interest owners within the Unit in order to determine whether any desired that wells be drilled on their holdings during 1960. No working interest owner has requested such development.

A total of seventeen (17) wells have been drilled on this Unit to date. The present status of each is shown below:

Connected Wells - January 1960

<u>Well</u>	<u>Location</u>	<u>Formation</u>	<u>Days on Line</u>	<u>Total Prod. MCF</u>	<u>Daily Average MCF</u>
1-30	W/2 Sec. 30	MV	52	0	0
2-35	W/2 Sec. 35	PC	40	8806	220
7-8	W/2 Sec. 8	MV	67	11,391	170
10-36	W/2 Sec. 36	PC	37	1768	48
14-31	E/2 Sec. 31	MV	65	441	68
16-36	E/2 Sec. 36	PC	83	954	11
Totals			344	23,360	68

Other Unit Wells

<u>Well</u>	<u>Location</u>	<u>Formations Tested</u>	<u>Remarks</u>
3-22	W/2 Sec. 22	MV-PC	MV - plugged - no natural gauge PC - gauged 57 MCFPD to atmosphere
4-35	E/2 Sec. 35	PC	Potential 435 MCFPD CAOF
5-7	W/2 Sec. 7	MV	Gas too small to measure
6-10	W/2 Sec. 10	MV	Maximum test 98 MCFPD to atmosphere
8-34	E/2 Sec. 34	MV-PC	MV - too small to measure after frac. PC - CAOF 345 MCFPD
9-3	W/2 Sec. 3	MV-FR	MV - tested 11.8 MCFPD after frac. FR - DST too small to measure
11-6	E/2 Sec. 6	PC	CAOF 1473 MCFPD. Not feasible to produce because of wax in well bore.
12-18	E/2 Sec. 18	MV	CAOF 1217 MCFPD. Tied-in and first delivered on January 14, 1960.
13-29	E/2 Sec. 29	MV	Dry and abandoned
15-25	E/2 Sec. 25	PC	Dry and abandoned
18-33	E/2 Sec. 33	MV	CAOF 1302 MCFPD. Preparing to connect.

In view of the marginal nature of this Unit and the lack of desire on the part of other working interest owners, El Paso Natural Gas Company, as Unit Operator, does not plan to drill any new wells on the Unit during 1960.

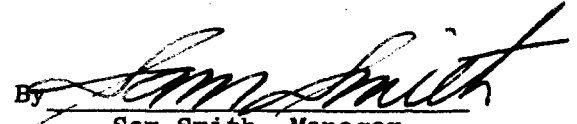
El Paso plans to connect Well #18-33 to temporary gathering lines as soon as ground and weather conditions permit. The deliverability of this and other Unit wells will be closely observed during the year in order to determine whether or not additional drilling is justified. In arriving at our conclusions, consideration will also be given to the results of exploration to be undertaken on Jicarilla Indian Leases, east of the Unit, as well as any other wells which may be drilled in the area.

If this program is acceptable, please indicate your approval in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 
Sam Smith, Manager
Land Department

SS:BKB:nl

cc: Attached List

San Juan 29-4 Unit
Working Interest Owners

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or R. A. Brown

Mr. L. O. Speer, Jr. (12)
Pan American Petroleum Corporation
P. O. Box 487
Farmington, New Mexico

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. J. R. Abercrombie
P. O. Box 224
Bellaire, Texas

Mr. Joe Quinn
Rt. 4, Box 72
Mesa, Arizona

Mrs. Omega E. Quinn
4105 Emerson, Apt. 11
Dallas, Texas

Messrs. Carl H. Gilbert & Morey Goodman,
Mrs. Anita S. Friedman, Co-Executors of
the Estate of N. B. Stern, Deceased
Bishop Building
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 708
Santa Fe, New Mexico

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown,
Trustee for Algernon W. Brown
14 Axtell Drive
Scarsdale, New York

Mr. Robert B. Owings
1220 Fair Building
Fort Worth 2, Texas

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for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. C. Taylor Pruitt
Champlin Oil & Refining Company
P. O. Box 9365
Fort Worth 7, Texas

Mr. Jack Yeisley
Champlin Oil & Refining Company
2501 First National Bank Bldg.
Denver 2, Colorado

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

APPROVED: _____
Supervisor, United States Geological
Survey
Subject to like approval by the appropriate
State Officials.

DATE: _____

APPROVED: _____
Commissioner of Public Lands of the State
of New Mexico
Subject to like approval by the United
States Geological Survey and the Oil
Conservation Commission.

DATE: _____

APPROVED: A. H. Porter, Jr.
Oil Conservation Commission of the State
of New Mexico
Subject to like approval by the United
States Geological Survey and the Com-
missioner of Public Lands.

DATE: 5-25-60

The foregoing approvals are for the 1960 Plan of Development for the San Juan
29-4 Unit, #14-08-001-1055, Rio Arriba County, New Mexico

El Paso Natural Gas Company

El Paso, Texas

April 15, 1960

Call # 552

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
THIRD EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective February 1, 1960
Rio Arriba County, New Mexico

Gentlemen:

Pursuant to Section 11(a) of the San Juan 29-4 Unit Agreement, #14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 29-4 Unit #18-33 Well is located 1550' from the North line and 810' from the East line of Section 33, Township 29 North, Range 4 West, Rio Arriba County, New Mexico. This well was spudded on September 16, 1959 and completed on December 8, 1959. It was drilled to a total depth of 8845' and plugged back to 8555'. The Point Lookout Section of the Mesaverde Formation in the intervals between 6484' - 6498', 6504' - 6518', 6538' - 6552', 6560' - 6564', 6598' - 6604', 6612' - 6616', 6620' - 6624' was perforated and treated with a sand-water fracturing process on December 2, 1959. After being shut-in for twenty-one (21) days, the well was tested on January 6, 1960, and following a three (3) hour blow-down period gauged 1287 MCFGPD through a 3/4" choke and 1302 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1029# and an SIPT of 1031#. The committed drilling block upon which this well is located is described as the E/2 of Section 33, Township 29 North, Range 4 West, N.M.P.M., containing 320.00 acres, more or less.

The foregoing well is being included in the Third Expanded Participating Area of the Mesaverde Formation effective February 1, 1960.

Attached is Schedule IV showing the Third Expanded Participating Area for the San Juan 29-4 Unit Area which describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and reflects the breakdown of ownership under each tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Third Expanded Participating Area will become effective as of February 1, 1960.

The Dakota Formation of the subject well was found to be non-productive of unitized substances.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 
Sam Smith, Manager
Land Department

SS:BKB:cah

SAN JUAN 29-4 UNIT
WORKING INTEREST OWNERS

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R.F. Rood or R.A. Brown

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. M. A. Romero
P.O. Box 2011
Santa Fe, New Mexico

Mr. Joe Quinn
Route 4, Box 72
Mesa, Arizona

Mr. H. O. Pool
P.O. Box 708
Santa Fe, New Mexico

Messrs. Carl H. Gilbert & Morey Goodman,
Mrs. Anita S. Friedman, Co-Executors and
Co-Executrix of the Estate of N.B. Stern
Bishop Building
Santa Fe, New Mexico

Mr. James A. Brown,
Trustee for Algernon W. Brown
14 Axtell Drive
Scarsdale, New York

Mr. L. O. Speer, Jr.
Pan American Petroleum Corporation
P.O. Box 487
Farmington, New Mexico

Mr. Robert B. Owings
1220 Fair Building
Fort Worth, Texas

Mr. C. Taylor Pruitt
Champlin Oil & Refining Company
P.O. Box 9365
Fort Worth 7, Texas

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. J. R. Abercrombie
P.O. Box 224
Bellaire, Texas

Mrs. Omega E. Quinn
4105 Emerson, Apt. 11
Dallas, Texas

Mr. Robert P. Tinnin
P.O. Box 896
Albuquerque, New Mexico

Mr. Jack Yeisley
Champlin Oil & Refining Company
2501 First National Bank Building
Denver 2, Colorado

SCHEDULE IV
THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION
SAN JUAN 29-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO	
			OWNERSHIP	PERCENTAGE			
SF 079893-A	T-29-N, R-4-W	318.10	Royalty;	12.50%	12.50%	19.904888%	
	Sec. 30: W/2		Working Interest;				
			*El Paso Natural Gas Co.;	87.50%	87.50%		
			ORRI:	.00%	.00%		
			TOTAL	100.00%	100.00%		
Tract 15							
San Juan 29-4 #1 Well	Sec. 30: W/2	318.10			100.00%	19.904888%	
	Tract 4						
	SF 079757	T-29-N, R-4-W	320.00	Royalty;	12.50%	12.50%	20.023778%
		Sec. 8: W/2		Working Interest;			
				El Paso Natural Gas Co.;	85.00%	85.00%	
			ORRI:	2.50%	2.50%		
			TOTAL	100.00%	100.00%		
Tract 5							
San Juan 29-4 #7-8 Well	Sec. 8: W/2	320.00			100.00%	20.023778%	
	Tract 5						
	SF 079758	T-29-N, R-4-W	320.00	Royalty;	12.50%	12.50%	20.023778%
		Sec. 18: E/2		Working Interest;			
				El Paso Natural Gas Co.;	85.00%	85.00%	
			ORRI:	2.50%	2.50%		
			TOTAL	100.00%	100.00%		
Tract 6							
San Juan 29-4 #12-18 Well	Sec. 18: E/2	320.00			100.00%	20.023778%	

SCHEDULE IV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU/ PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 15</u>						
SF 079893-A	T-29-N, R-4-W Sec. 31: E/2	320.00	Royalty; Working Interest: *El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00%	12.50% 87.50% .00%	<u>20.023778%</u>
TOTAL				100.00%	100.00%	
<u>Tract 11</u>						
San Juan 29-4 #14-31 Well	Sec. 31: E/2	320.00			100.00%	<u>20.023778%</u>
<u>Tract 11</u>						
SF 079761-A	T-29-N, R-4-W Sec. 33: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	<u>20.023778%</u>
TOTAL				100.00%	100.00%	
San Juan 29-4 #1-33 Well	Sec. 33: E/2	320.00			100.00%	<u>20.023778%</u>

*Until Payout
(See Exhibit "B" for reversion interest)

PAGE 2

Effective February 1, 1960

SCHEDULE IV

RECAPITULATION

Description of Lands in Participating Area:

Township 29 North, Range 4 West, N.M.P.M.
Section 8: W/2
Section 18: E/2
Section 30: W/2
Section 31: E/2
Section 33: E/2

Total number of acres in Participating Area: 1598.10
Total number of acres committed to Participating Area: 1598.10

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 30, 1959

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

File
552

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit
1959 Plan of Development

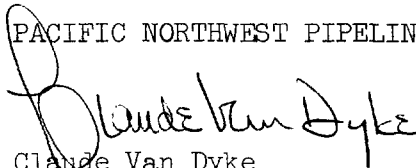
This is to advise that the 1959 Plan of Development for the San Juan 29-4 Unit has been approved as follows:

1. Supervisor, United States Geological Survey, March 23, 1959.
2. Commissioner of Public Lands, State of New Mexico, February 4, 1959.
3. Oil Conservation Commission, State of New Mexico, January 7, 1959.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke
District Manager, Land Department

CVD:jc

P. O. Box 6721
Roswell, New Mexico

March 23, 1959

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

Gentlemen:

Your Plan of Development for 1959, dated December 16, 1958, for the San Juan 29-4 unit area, No. 14-08-001-1055, Rio Arriba County, New Mexico, which proposes the drilling of one Masaverde formation well and one Dakota formation well, has been approved on this date subject to like approval by the appropriate State Officials.

One approved copy of the plan is enclosed.

Very truly yours,



EDWIN M. THOMASSON
Acting Oil and Gas Supervisor

Enclosure 1

Copy to: Washington (w/cy of plan)
F'ton (w/cy of plan)
NMOC, Santa Fe (letter only)
Comm. of Pub. Lands, Santa Fe (letter only)

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

File
552

January 7, 1959

C

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

ATTENTION: Mr. R. N. Richey

O

RE: Plan of Development For
Calendar Year 1959 San
Juan 29-4 Unit Rio Arriba
County, New Mexico.

Gentlemen:

P

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development For Calendar Year 1959 for the San Juan 29-4 Unit Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the application is returned herewith.

Y

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/RLS/ig

cc: State Land Office - Santa Fe
US Geological Survey - Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

DEC 16 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
PLAN OF DEVELOPMENT FOR CALENDAR
YEAR 1959

Pursuant to Section 10 of San Juan 29-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, respectfully submits herewith for your approval the 1959 Plan of Development for the subject unit providing for the drilling of the wells set out below during the period from January 1, 1959, to December 31, 1959.

The Plan of Development for 1958 on San Juan 29-4 Unit called for the drilling of one Mesaverde well and two Pictured Cliffs wells. Of these three wells one Pictured Cliffs well was completed as a producer. The other Pictured Cliffs well was dry and subsequently plugged and abandoned. The Mesaverde well was deferred to permit further evaluation of present production from that horizon.

Pacific Northwest Pipeline Corporation, as Unit Operator, in concurrence with the other working interest owners in the unit, proposes the following Plan of Development for 1959:

1. Drill the following wells:

<u>Location</u>	<u>Formation</u>	<u>Date Requirement</u>
E/2 of Sec. 33, T 29 N, R 4 W	Mesaverde	Open

2. Drill any wells required to prevent Unit drainage.
3. Drill additional Mesaverde wells which may be requested by working interest owners.
4. Drill at least one well to the Dakota formation.

PACIFIC NORTHWEST PIPELINE CORPORATION

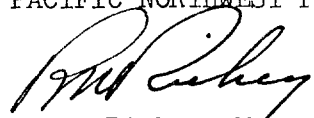
Plan of Development for 1959
San Juan 29-4 Unit

Gas drilling will be employed wherever practicable and it is contemplated that casing will be set through the potentially productive gas sands. Completions will be effected by perforating the casing opposite best log indications and applying high velocity frac treatment. Multiple zone completions will be made when appropriate and properly approved.

If this drilling program is acceptable, please signify your approval, as requested under Section 10 of the Unit Agreement, in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



R. N. Richey, Manager
Land Department

RNR:CVD:jc
Attachment

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED:  _____ DATE: Jan 7, 1959
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 3, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
Determination of Noncommercial Well
Pictured Cliffs Formation

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement #14-08-001-1055 Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that the following described well is incapable of producing unitized substances from the Pictured Cliffs formation.

San Juan 29-4 Pictured Cliffs Well #15-25 is located 1650' from the North line and 1650' from the East line of Section 25, Township 29 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on July 14, 1958, and reached a total depth of 4005'. The Pictured Cliffs formation between 3678' and 3944' was perforated at various intervals and was treated with a sand-water frac process on October 22, 1958. Initial recovery from this treatment was 58 barrels per minute and the natural gauge of gas was 135 mcf. The well then began to make 3 barrels of formation water per hour and the natural gas gauged was 160 mcf with a slight show of oil. It was then determined that the well was incapable of producing unitized substances in paying quantities and that it should be plugged and abandoned. After obtaining the necessary authorization, the Pictured Cliffs perforations (3678-3944) were squeezed with 50 sacks of regular cement; 1307' of 5½" casing was recovered from the hole after which the hole was plugged with cement from 950' to 1350'. The surface was plugged with 10 sacks of cement and a 4' by 4" marker post was installed.

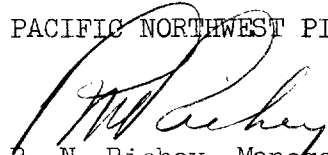
San Juan 29-4 Unit
Determination of Noncommercial Well
December 3, 1958
Page 2

Inasmuch as this determination requires no further official approval, no provision is made therefor and this well is henceforth considered to be noncommercial by reason of it being plugged and abandoned.

Copies of this letter are being sent to all working interest owners of the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

A handwritten signature in dark ink, appearing to read "R. N. Richey", is written over the typed name and title.

R. N. Richey, Manager
Land Department

RNR:CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 1, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
FOURTH EXPANDED PARTICIPATING AREA
FOR THE PICTURED CLIFFS FORMATION
Effective: December 1, 1958

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, approved September 9, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Pictured Cliffs formation has been completed upon acreage committed to this unit, and that the participating area for the Pictured Cliffs formation is accordingly expanded.

The well information is as follows:

San Juan 29-4 Unit, Well #16-36 is located 918' from the North line and 550' from the East line of Section 36, Township 29 North, Range 4 West, Rio Arriba County, New Mexico. This well was spudded on July 18, 1958, and completed on October 1, 1958, in the Pictured Cliffs formation at a total depth of 4035'. The Pictured Cliffs formation between 3760' and 4006' was perforated and treated with a water-sand fracturing process. After being shut-in the Pictured Cliffs formation was tested on November 5, 1958, and following a three hour blow down period, gauged 635 MCF/D through 3/4" choke and 647 MCF/D by the calculated absolute open flow method, with a SICP of 1014# and a SIPT of 1014#. The committed drilling block upon which this well is located is described

San Juan 29-4 Unit
Fourth Expansion
Page 2

as the E/2 of Section 36, Township 29 North, Range
4 West, containing 320 acres. With the completion
of this well there are no intervening drilling
blocks created.

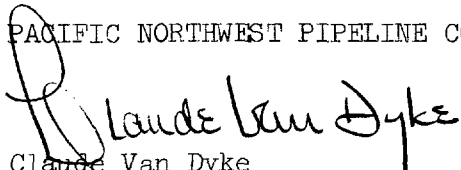
Attached is Schedule V showing the Fourth Expanded Participating Area for
the Pictured Cliffs formation of the San Juan 29-4 Unit area. This schedule
describes the expanded participating area and shows the percentage of unitized
substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 29-4 Unit indicating the
Pictured Cliffs area.

Copies of this letter and schedule are being sent to all working interest
owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



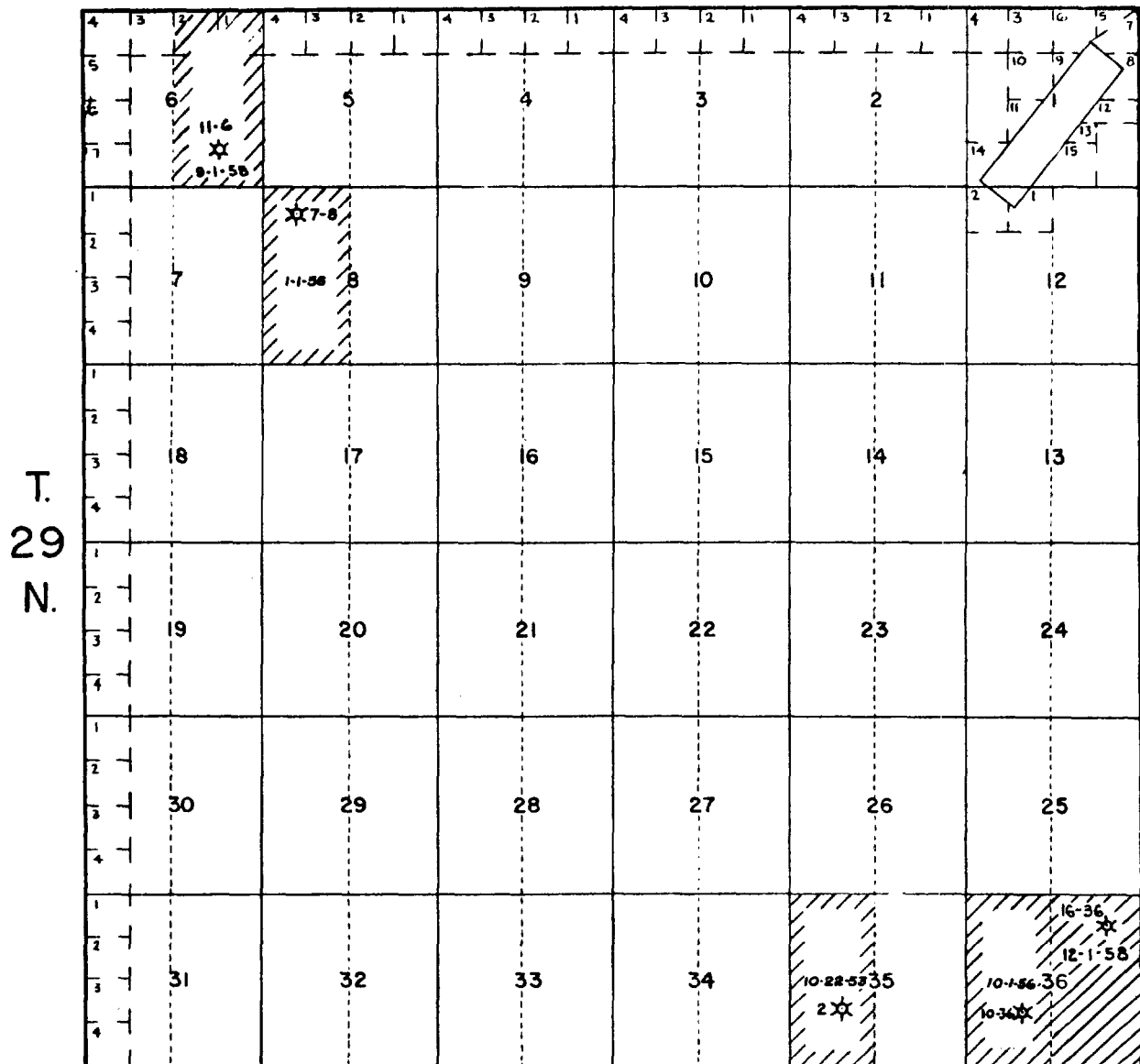
Claude Van Dyke
District Manager, Land Department

CVD:jc

Attachments

EXHIBIT "A"

R. 4 W.



SAN JUAN 29-4 UNIT

RIO ARriba COUNTY, NEW MEXICO

Picture Cliffs Participating Area

Fourth Revision Effective December 1, 1958

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

NOTE: Effective date of inclusion is shown on each drilling block admitted to participating area.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

September 29, 1958

12:00 PM 8:00

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: Revised Schedule IV
San Juan 29-4 #14-08-001-1055
Rio Arriba County, New Mexico
THIRD EXPANDED PARTICIPATING AREA
FOR THE PICTURED CLIFFS FORMATION
Effective: September 1, 1958

Under date of September 10, 1958, we forwarded to you copies of the Third Expanded Participating Area for the Pictured Cliffs formation. The Schedule IV attached to our letter contains an error in total acreage allotted to Tract #3 on page 2 of the Schedule. Total acreage creditable to Tract #3 is 319.30 acres rather than 319.22 acres.

To correct this inadvertence, we have revised Schedule IV and enclose copies herein for substitution for those sent to you under date of September 10, 1958.

We sincerely hope that this inadvertence has not inconvenienced you. If you have any questions concerning this subject, please advise.

Copies of this letter and revision of Schedule IV are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke
Claude Van Dyke
District Manager, Land Department

CVD:jc
Enc.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

September 11, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
SECOND EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: September 1, 1958

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement approved September 9, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that two additional wells capable of producing unitized substances in paying quantities have been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Second Expansion is based is as follows:

SAN JUAN 29-4 MESAVERDE WELL #12-18

LOCATION:	950' from North line and 1480' from East line of Section 18, T 29 N, R 4 W, N.M.P.M.
ELEVATION:	7577' (grd)
SPUD DATE:	June 4, 1957
CASING:	10 3/4" cemented at 233' with 200 sx 7 5/8" cemented at 4685' with 200 sx 5 1/2" cemented at 6746' with 200 sx
TOTAL DEPTH:	6805'
DRILLING METHODS:	Drilled with mud to 7 5/8" casing point, drilled with gas from 7 5/8" casing point to total depth

Second Expansion - Mesaverde
San Juan 29-4 Unit
September 11, 1958
Page 2

COMPLETION METHOD: Perforated 5 1/2" casing and aqua-fraced
Cliff House, Menefee and Point Lookout
at intervals between 6418' and 6690'

TUBING: 2 3/8" hung at 6645'

COMPLETION TEST DATA

DATE: August 29, 1958

FINAL SHUT-IN-PRESSURES: Tubing 1212#
Casing 1212#

RATE THROUGH 3/4" CHOKE
AFTER 3 HOUR BLOW DOWN: 1173 MCF/D; CAOF 1217 MCF/D

San Juan Mesaverde Well #12-18 encountered the problem of water in the production string which required the use of swabbing equipment before an effective test could be made. No conclusive test was made prior to the one given above. Pacific Northwest Pipeline Corporation, as Unit Operator, upon completion of the above test has determined that this well is capable of producing unitized substances and herewith admits this drilling block (E/2 of Section 18) containing 320 acres, to the 29-4 Mesaverde Participating Area.

SAN JUAN 29-4 MESAVERDE WELL #14-31

LOCATION: 1190' from the North line and 990' from
the East line of Section 31, T 29 N, R 4 W,
N.M.P.M.

ELEVATION: 7352' (df)

SPUD DATE: September 12, 1957

CASING: 10 3/4" cemented at 175' with 150 sx
7 5/8" cemented at 4426' with 250 sx
5 1/2" cemented at 6649' with 300 sx

TOTAL DEPTH: 6680'

DRILLING METHODS: Drilled with mud to 7 5/8" casing point,
drilled with gas from 7 5/8" casing point
to total depth.

Second Expansion - Mesaverde
San Juan 29-4 Unit
September 11, 1958
Page 3

COMPLETION METHOD: Perforated 5 1/2" casing and aqua-fraced
Cliff House, Menefee and Point Lookout
at intervals between 6152 and 6589'

TUBING: 2" hung at 6577'

COMPLETION TEST DATA

DATE: August 13, 1958

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-PRESSURES: Tubing 995#
Casing 998#

RATE THROUGH 3/4" CHOKE
AFTER 3 HOUR BLOW DOWN: 1246 MCF/D; CAOF 1434 MCF/D

San Juan 29-4 Well #14-31 encountered conditions of fluid in the hole similar to Well #12-18 first described above. In the opinion of Pacific Northwest Pipeline Corporation, Unit Operator, the completion test given above determined the capability of this well to produce unitized substances. Thus, this drilling block (E/2 Section 31) containing 320 acres is hereby admitted to the Mesaverde Participating Area.

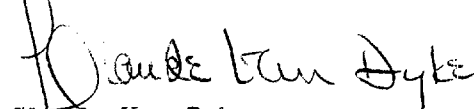
Attached is Schedule III showing the Second Expanded Participating Area for the Mesaverde formation of the San Juan 29-4 Unit area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 29-4 Unit, Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke
District Manager, Land Department

CVD:jc
Attachments

File 112 C
552

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

September 10, 1958

REPLY TO:
P. O. Box 1528
SALT LAKE CITY 10, UTAH

100-112-100
SEP 12 1958

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico
Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico
Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
THIRD EXPANDED PARTICIPATING AREA
FOR THE PICTURED CLIFFS FORMATION
Effective: September 1, 1958

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, approved September 9, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the participating area for the Pictured Cliffs Formation is accordingly expanded.

The well data upon which this Third Expansion is based is as follows:

SAN JUAN 29-4 PICTURED CLIFFS WELL #11-6

LOCATION:	1040' from South line and 1085' from East line of Section 6, T 29 N, R 4 W, N.M.P.M.
ELEVATION:	7538' (grd)
SPUD DATE:	August 10, 1956
CASING:	8 5/8" cemented at 234' with 150 sx 5 1/2" cemented at 4590' with 175 sx
TOTAL DEPTH:	4595'

Third Expansion - Pictured Cliffs
San Juan 29-4 Unit
September 1, 1958
Page 2

DRILLING METHODS: Drilled to total depth with rotary tools.

COMPLETION METHOD: Perforated 5 1/2" casing and aqua-fraced
(with sand) Pictured Cliffs intervals
between 4202' to 4506'

TUBING: 2 3/8" hung at 4532'

COMPLETION TEST DATA

DATE: August 29, 1958

FINAL SHUT-IN-PRESSURES: Tubing 1149#
Casing 1160#

RATE THROUGH TUBING
AFTER 3 HOUR BLOW DOWN: 1330 MCF/D, CAOF 1473

San Juan 29-4 Pictured Cliffs Well #11-6 is located upon the drilling block described as the E/2 of Section 6, Township 29 North, Range 4 West, N.M.P.M. Mechanical difficulties were encountered during an attempt to test the well on November 5, 1956, and no official gauge was taken until that given above. Pacific Northwest Pipeline Corporation, as Unit Operator, following this test has determined that Well #11-6 is capable of producing unitized substances from the Pictured Cliffs formation and herewith admits this drilling block containing 319.22 acres to the Pictured Cliffs Participating Area.

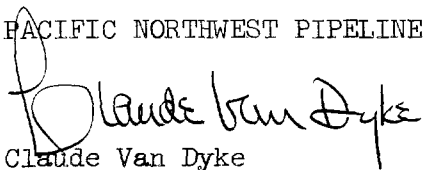
Attached is Schedule IV showing the Third Expanded Participating Area for the Pictured Cliffs formation of San Juan 29-4 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 29-4 Unit, Pictured Cliffs Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD:jc
Attachments

PACIFIC NORTHWEST PIPELINE CORPORATION

MAIN OFFICE SALT LAKE CITY, UTAH

August 15, 1958

10:10 AUG 15 AM 6:53

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Re: Plan of Development
San Juan 29-4 Unit
Rio Arriba County, New Mexico

Under date of December 4, 1957, Pacific Northwest Pipeline Corporation, as operator of the referenced unit, submitted a Plan of Development calling for the drilling of wells during 1958 on the following-listed drilling blocks:

E/2 Section 24, Township 29 North, Range 4 West - Pictured Cliffs well.
E/2 Section 25, Township 29 North, Range 4 West - Pictured Cliffs well.
W/2 Section 32, Township 29 North, Range 5 West - Mesaverde well.

The two Pictured Cliffs wells are now planned for drilling as scheduled but, because of unforeseen circumstances, Pacific has abandoned plans to drill the Mesaverde well scheduled for the W/2 Section 32, Township 29 North, Range 4 West, in which Pacific owns the entire Mesaverde working interest.

When the Plan of Development was formulated in late 1957, Pacific believed that additional sales of natural gas amounting to 100 million cubic feet per day, for which application was then pending before the Federal Power Commission, would result in a substantially increased take of San Juan Basin gas during 1958 and that the drilling of the scheduled Mesaverde well was necessary to augment the available supply. This proposed sale has not yet materialized.

Since formulation of the Plan it has been demonstrated that Pacific's established markets are much smaller than originally estimated. Abnormally warm weather during the past winter, together with unforeseen adverse effects of the general business recession in sales territories, have combined with failure to obtain new markets to further depress actual sales to a point substantially below forecasts. Altogether, these unfavorable sales factors have seriously affected Pacific's anticipated ability to move gas from the San Juan Basin, and have, in turn, reduced Pacific's operating income to a point requiring a corresponding reduction in drilling expenditures programed for 1958.

Page 2.

Re San Juan 29-4 Unit

August 15, 1958

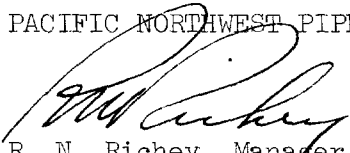
In an effort to balance production against sales, and income against expenditures, Pacific has completed a comprehensive review of all wells planned for San Juan Basin. This review shows that the well scheduled for the W/2 Section 32 is among the least economic and that it fulfills no specific unit requirement such as offset or intervening drilling block. By way of illustration, it is pointed out that shortly before submission of the Plan of Development Well #14-31 was completed on an adjoining location in the E/2 Section 31, Township 29 North, Range 4 West, with an initial potential of 1,523,000 cubic feet of gas per day. This well, however, has failed to produce satisfactorily into a pipeline, indicating that the productivity of Section 32 may be considerably less than anticipated at the time of filing the Plan of Development.

The attached map indicates the location, producing formation, potential test results, and recent average daily deliverability of the fifteen wells which have to date been drilled within the unit, as well as the location proposed for the W/2 Section 32, Township 29 North, Range 4 West. It is to be noted that while large reserves are proved by development, the effective rate of take per well is low both in relation to the amount of capital invested and in comparison to the deliverabilities of wells drilled in better located San Juan Basin units. Since the Pictured Cliffs and Mesaverde reservoirs within the 29-4 unit are not responding satisfactorily to presently known and available field techniques, Pacific, as Unit Operator, believes that further exploration and development should proceed with caution as to these horizons and whenever possible should be combined with exploration and development of deeper horizons. Accordingly, Pacific is cooperating with owners of deeper rights within the unit in an effort to obtain deeper exploration as soon as practicable. Wells projected to the deeper horizons, according to present plans, will be considered for multiple zone completion in the Pictured Cliffs and Mesaverde formations. The substantial economic advantage accruing to all drilling parties from multiple zone completions will, we believe, encourage more rapid development and exploration of the unit in all formations.

We are hopeful that the business recession in our sales territories will be short lived and that additional sales, for which application will shortly be made to the Federal Power Commission, will be authorized. In subsequent years, realization of these hopes, together with consummation of arrangements for multiple zone operations, will, we believe, improve the economic outlook for and stimulate development of the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

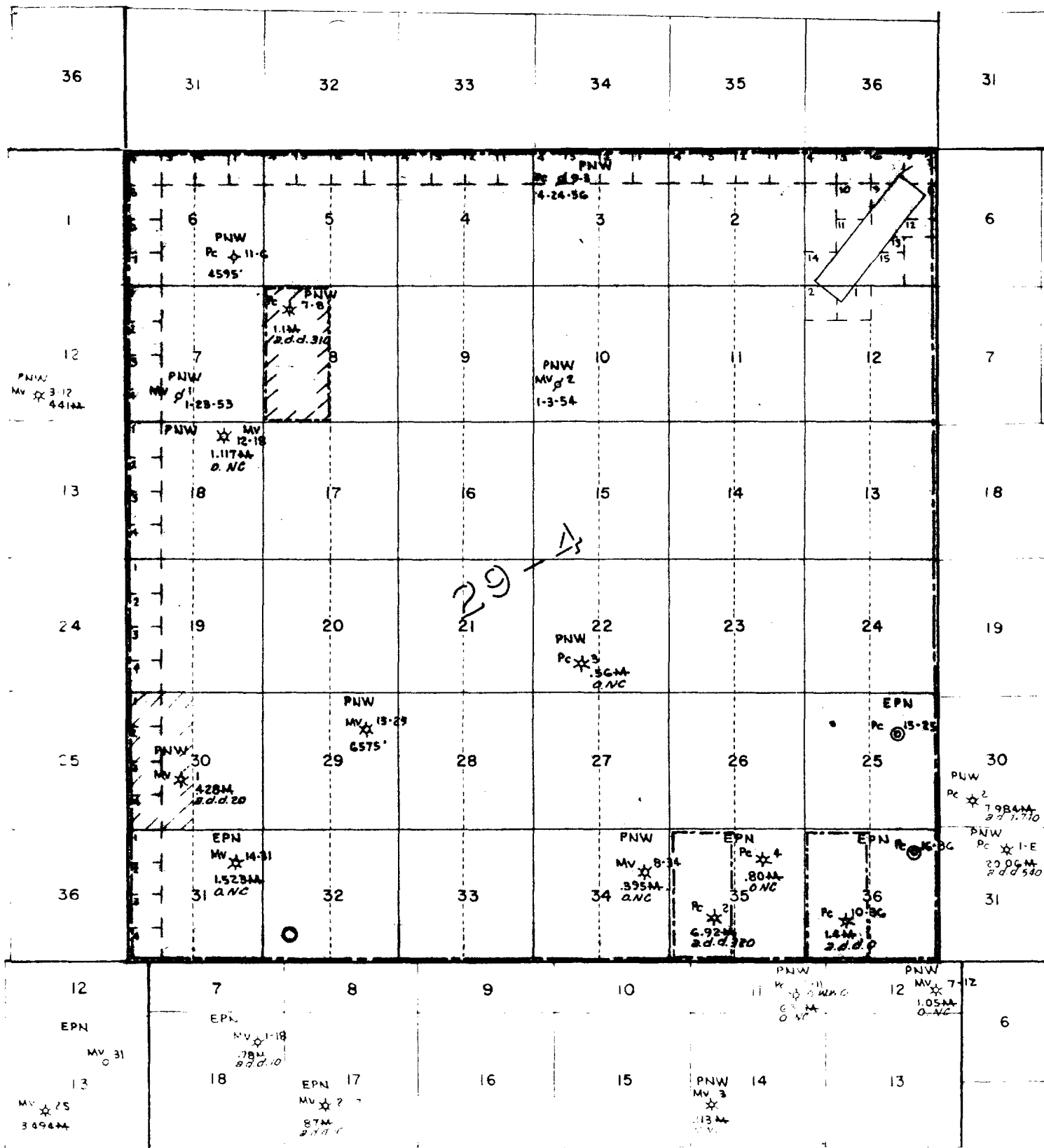


R. N. Richey, Manager
Land Department

RNR:mdc

Encl.

cc Mr. P. T. McGrath
United States Geological Survey
208B W. Main
Farmington, New Mexico



LEGEND

a.d.d. - Average daily deliverability (MCF)
 .428M - CAOF in millions (unless otherwise indicated)
 N.C. - Non-connected



Participating area

Fruitland participating area

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 3, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Case 552

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

All Working Interest Owners

Gentlemen:

Re: San Juan 29-4 Unit
1958 Plan of Development

This is to advise that the 1958 Plan of Development for the San Juan 29-4 Unit has been approved as follows:

1. Supervisor, United States Geological Survey, March 11, 1958.
2. Commissioner of Public Lands, State of New Mexico, January 6, 1958.
3. Oil Conservation Commission, State of New Mexico, March 28, 1958.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

*Case
252*

March 28, 1958

C
O
P
Y

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

Re: San Juan 29-4 Unit Area
Rio Arriba County, N.M.
1958 Plan of Development

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1958 Plan of Development for the San Juan 29-4 Unit Area, dated December 4, 1957, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/RLS/1r

Enclosure



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 6721
Roswell, New Mexico

March 11, 1958

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

Gentlemen:

Your plan of development dated December 4, 1957, for the San Juan 29-4 Unit Area, New Mexico, for the calendar year 1958, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

~~(Orig. Sgd.)~~ JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Wash. (w/copy of Plan)
Farmington (w/copy of plan)
Comm. of Public Lands, Santa Fe (letter only)
✓ Cons. Comm., Santa Fe (letter only)

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

January 15, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit No. 14-08-001-1055
Rio Arriba County, New Mexico
Disposition of 1957 Plan of Development
Wells

Pacific Northwest Pipeline Corporation, as Unit Operator of San Juan 29-4 Unit, filed a Plan of Development for the calendar year 1957 on December 20, 1956. This Plan proposed the drilling of four (4) Mesaverde wells in 29-4 Unit. This Plan of Development was approved by the United States Geological Survey on January 28, 1957, the Commissioner of Public Lands on December 28, 1956, and the Oil Conservation Commission on February 28, 1957.

The four (4) wells on the 1957 Plan of Development which were approved were completed as follows:

<u>Well Name</u>	<u>Location</u>	<u>Date Completed</u>	<u>I. P.</u>
# 12-18	NE/4 Section 18, T 29 N, R 4 W	SIIP Test	-
# 8-34	NE/4 Section 34, T 29 N, R 4 W	7-29-57	395 MCF CAOF
# 13-29	NE/4 Section 29, T 29 N, R 4 W	12-2-57	Dry Hole P & A
# 14-31	NE/4 Section 31, T 29 N, R 4 W	12-3-57	1,523 MCF CAOF

Upon completion of the 1957 Plan of Development with its indicated results, Pacific as Unit Operator, in concurrence with the other Working Interest Owners in the Unit, prepared and submitted the 1958 Plan of Development for

San Juan 29-4 Unit
January 15, 1958
Page 2

approval by letter dated December 4, 1957. It is requested that this letter concerning the disposition of the 1957 Plan of Development be made a part of the December 4, 1957 submittal of the 1958 Plan of Development.

Copies of this letter are being sent to all Working Interest Owners in the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

A handwritten signature in dark ink, appearing to read "R. N. Richey", is written over the typed name.

R. N. Richey, Manager
Land Department

RNR:CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 4, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Director
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: San Juan 29-4 Unit No. 14-08-001-1055
Rio Arriba County, New Mexico
PLAN OF DEVELOPMENT FOR CALENDAR YEAR 1958

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 10 of San Juan 29-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1958 to December 31, 1958:

<u>LOCATION</u>	<u>FORMATION</u>
W/2 Sec. 32, T 29 N, R 4 W	Mesaverde
E/2 Sec. 25, T 29 N, R 4 W	Pictured Cliffs
E/2 Sec. 36, T 29 N, R 4 W	Pictured Cliffs

The above wells will be drilled to intermediate casing point with conventional hydraulic rotary tools and the remainder of the hole will be drilled with gas tools. After running production casing through the Mesaverde, the gas sands will be selectively perforated and fraced.

In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, also plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the Working Interest Owners in the affected drilling blocks.

Page 2

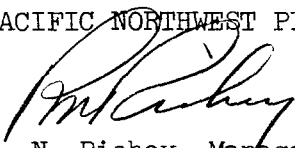
San Juan 29-4 Unit - Plan of Development 1958
December 4, 1957

If this drilling program is acceptable, please signify your approval, as required under Section 10 of the Unit Agreement, in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

Copies of this drilling program have been sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:mdc
Attachment

APPROVED: _____
Supervisor, United States Geological Survey

DATE: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____
Commissioner of Public Lands

DATE: _____

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: 
Oil Conservation Commission

DATE: 3-28-58

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

SAN JUAN 29-4 UNIT

WORKING INTEREST OWNERS

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas
Attention: Mr. Sam Smith

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: R. F. Rood or R. A. Brown

Pan American Petroleum Corporation
P. O. Box 1410
Fort Worth, Texas
Attention: Mr. E. V. Hewitt

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

Mr. Joe Quinn
P. O. Box 708
Santa Fe, New Mexico

Mrs. Omega E. Quinn
P. O. Box 896
Albuquerque, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mr. Robert B. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. James A. Brown, Co-Trustee for
Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

June 28, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 29-4 Unit
Well #4-35
Rio Arriba County, New Mexico

The San Juan 29-4 Unit Well #4-35 is located 990 feet from the North Line and 1650 feet from the East Line of Section 35, Township 29 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. The drilling of this well was commenced on September 23, 1955, and reached a total depth of 4111 feet. This well was plugged back to 4090 feet and was treated with an acqua-frac process at the interval 4020 - 4080 with 32,600 gallons of water and 37,500# sand. Average treating pressure 300# with an injection rate of 42 barrels per minute. The interval 3946 - 3976 was treated with an acqua-frac process with 26,400 gallons of water and 40,000# of sand. Average treating pressure was 700# with an injection rate of 34 barrels per minute. The intervals from 3946 - 3976 and 4020 - 4080 were refraced with 32,500 gallons of water and 32,200# of sand, average treating pressure was 1,000# with an injection rate of 578 barrels per minute. After being shut-in for gauge for seven days, the well was tested on November 4, 1955, and after a three-hour blow down test gauged an open flow I.P. of 801 Mcf with an SIPC of 844# and SIPT of 844#.

This well was then connected to El Paso Natural Gas Company's pipeline and deliverability test obtained as prescribed by the New Mexico Oil Conservation Commission, which gauged a deliverability of 34 MCFGPD for the interval from October 1, 1956 to October 9, 1956. The well was shut-in after securing the deliverability test and a three hour potential test secured through the casing. The result of this potential test was 397 Mcf gauged flow at the end of three hours with a calculated open flow of 435 Mcf.

File 552

*non-conn
well*

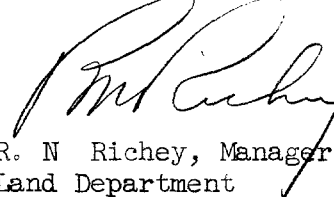
Page 2
San Juan 29-4 Unit
June 28, 1957

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined the well to be non-commercial subject to the understanding that it may be admitted to the Pictured Cliffs participating area should further operations or testing prove it to be commercial in that horizon.

Copies of this letter are being sent to the working interest owners of San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



R. N. Richey, Manager
Land Department

RNR:DNC:mdc

cc: Working Interest Owners

J

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 26, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
SECOND EXPANDED PARTICIPATING AREA
FOR THE PICTURED CLIFFS FORMATION
Effective: October 1, 1956

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, approved September 9, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the participating area for the Pictured Cliffs Formation is accordingly expanded.

The well data upon which this Second Expansion is based is as follows:

SAN JUAN 29-4 PICTURED CLIFFS WELL #10-36 ✓

LOCATION:	1650' from South line and 1700' from West line of Section 36, T 29 N, R 4 W, N.M.P.M.
ELEVATION:	7194' (D.F.)
SPUD DATE:	July 6, 1956
CASING:	9 5/8" cemented at 124' with 100 sx 5 1/2" cemented at 4023' with 300 sx
TOTAL DEPTH:	4210'
DRILLING METHODS:	Drilled to total depth with rotary tools.

Page 2
Second Expansion - Pictured Cliffs
San Juan 29-4 Unit
March 26, 1957

COMPLETION METHOD: Perforated 5 1/2" casing and aqua-fraced
(with sand) Pictured Cliffs intervals from
3901' to 4012' and 4046' to 4166'.

TUBING: 2" hung at 4153'

COMPLETION TEST DATA

DATE: September 4, 1956

SHUT-IN-PERIOD 16 days

FINAL SHUT-IN-PRESSURES: Tubing 1095 #
Casing 1099 #

RATE THROUGH TUBING

AFTER 3 HOUR BLOW DOWN: 1,348 Mcfgpd;
1,403 Mcfgpd CAOF

San Juan 29-4 Pictured Cliffs Well #10-36 is located upon the drilling block described as the W/2 of Section 36, Township 29 North, Range 4 West, N.M.P.M. This drilling block is hereby admitted to the participating area.

Attached is Schedule III showing the Second Expanded Participating Area for the Pictured Cliffs formation of San Juan 29-4 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 29-4 Unit, Pictured Cliffs Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

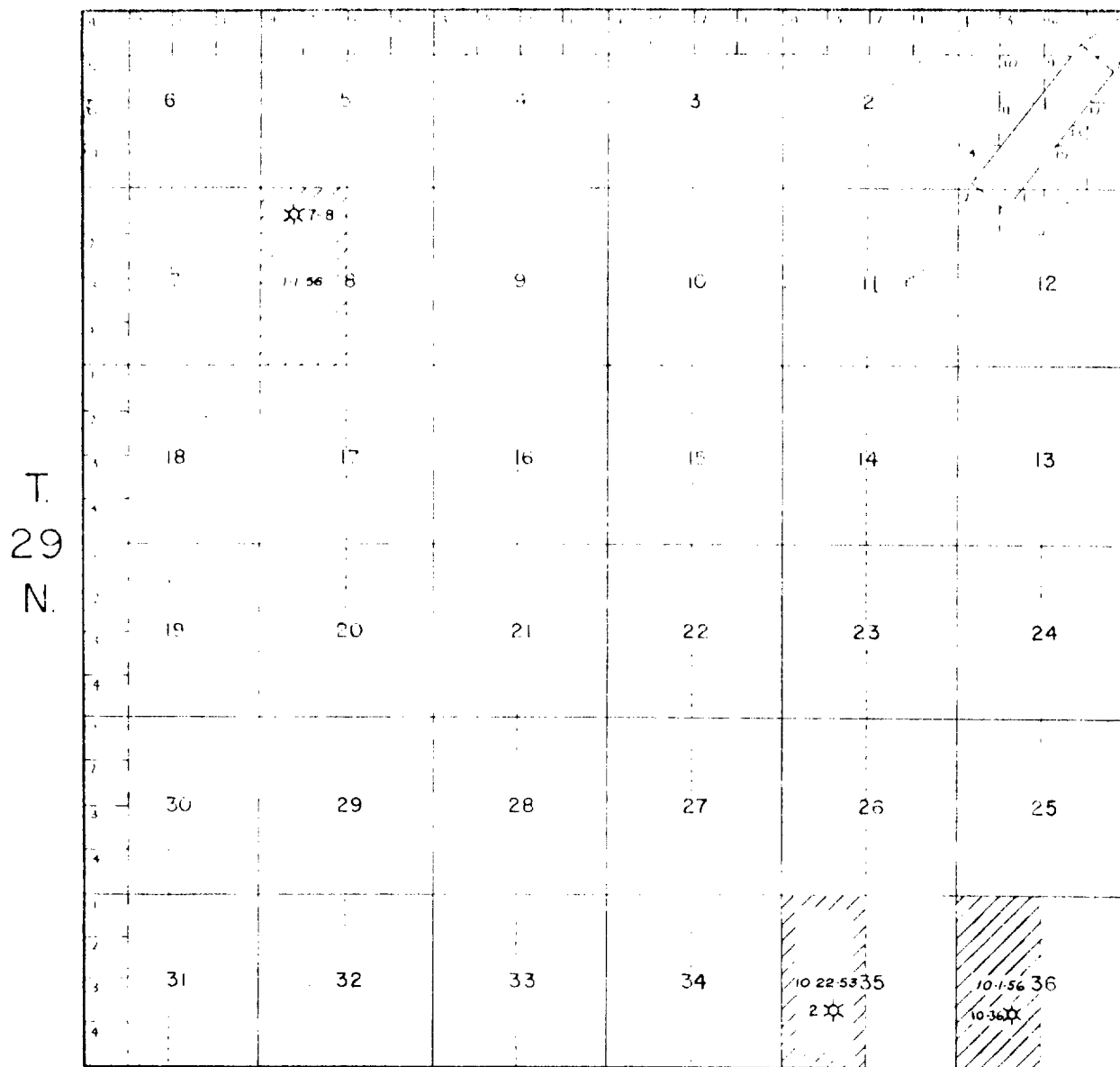


Donald L. Anderson
District Manager, Land Department

DLA:mdc
Attachment

EXHIBIT "A"

R. 4 W.



SAN JUAN 29-4 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Picture Cliffs Participating Area

Second Revision Effective October 1, 1956

SCALE 1 inch = 1 mile



Participating area



Drilling blocks added to participating area by this revision.

552

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 8, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

file

Re: San Juan 29-4 Unit
1957 Plan of Development

This is to advise that the 1957 Plan of Development for the San Juan 29-4 Unit has been approved as follows:

1. Supervisor, United States Geological Survey, January 28, 1957.
2. Commissioner of Public Lands, State of New Mexico, December 28, 1956.
3. Oil Conservation Commission, State of New Mexico, February 28, 1957.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Donald L. Anderson
District Manager, Land Department

DLA:mdc

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 26, 1937

C
O
P
Y

Pacific Northwest Pipeline Company
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. M. Richey

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Plan of Development
Calendar Year 1937

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development for Calendar Year 1937 for the above-captioned unit area, dated December 20, 1936, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is returned herewith.

Very truly yours,



A. L. PORTER, Jr.,
Secretary - Director

ALP:DSN/ga

bcc: U.S.G.S. - Roswell, N. M.
Commissioner of Public Lands - Santa Fe, N. M.



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

January 28, 1957

Pacific Northwest Pipeline Corporation
P. O. Box 1586
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

Gentlemen:

Your plan of development dated December 20, 1956, for the San Juan 29-4 Unit Area, New Mexico, for the calendar year 1957, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

(Orig. Sgd.) R. E. CANFIELD

R. E. CANFIELD
Acting Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/copy of plan)
Farmington (w/copy of plan)
Comm. of Public Lands, Santa Fe (letter only)
✓ Cons. Comm., Santa Fe (letter only)

ILLEGIBLE

339

127-11-120
127-11-134

December 28, 1956

In reply refer to:
Unit Division

file

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Re: San Juan 29-4 Unit -
~~Plan of Development,~~
Calendar Year 1957

Attention: Mr. R. N. Richey, Manager
Land Department

Gentlemen:

We are enclosing two copies of Plan of Development for the Calendar Year 1957 for the San Juan 29-4 Unit Agreement, which was approved December 28, 1956, by the Commissioner of Public Lands.

This approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

ESW:MMR/m
enc: 2

cc: OCC-Santa Fe
USGS-Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

December 20, 1956

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: San Juan 29-4 Unit
Rio Arriba Co., New Mexico
Plan of Development
Calendar Year 1957

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 10 of San Juan 29-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1957 to December 31, 1957:

<u>LOCATION</u>	<u>FORMATION</u>
E/2, Sec. 18, T-29-N, R-4-W	Mesaverde
E/2, Sec. 34, T-29-N, R-4-W	Mesaverde
E/2, Sec. 29, T-29-N, R-4-W	Mesaverde
E/2, Sec. 31, T-29-N, R-4-W	Mesaverde

The above wells will be drilled to intermediate casing point with conventional hydraulic rotary tools and the pay section will be drilled with gas tools. After running production casing through the Mesaverde, the gas sands will be perforated and fraced.

In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, also plans to drill any offset wells required to prevent drainage of unitized substances.

If this drilling program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

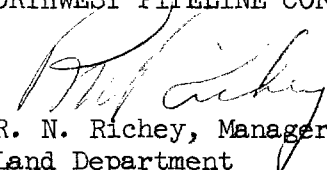
Re: San Juan 29-4 Unit

December 20, 1956

Copies of this drilling program are being sent to all Working Interest Owners in the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager,
Land Department

RNR:DLA:jl

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED:  DATE: 2-28-57
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

54
PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 7, 1956

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re. San Juan 29-4 Unit #14-08-001-1055
Rio Arriba County, New Mexico
FIRST EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: January 1, 1956

file

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement approved September 9, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

The well data upon which this First Expansion is based is as follows:

SAN JUAN 29-4 MESAVERDE WELL #7-8

LOCATION:	820' from North line and 1040' from West line of Section 8, T 29 N, R 4 W, N.M.P.M.
ELEVATION:	7336.7' (grd.)
SPUD DATE:	August 2, 1955
CASING:	9 5/8" cemented at 241' with 120 sx 7" cemented at 4048' with 250 sx 5" liner cemented at 6555' with 400 sx
TOTAL DEPTH:	6590'; PB 6555'
DRILLING METHODS:	Surface hole drilled with cable tools; drilled with mud from surface casing to 7" casing point; drilled with gas from 7" casing point to total depth.

Page 2.

First Expansion - Mesaverde

San Juan 29-4 Unit

December 7, 1956

COMPLETION METHOD:

Perforated 5" liner and aqua-fraced Cliff House intervals from 5906' to 6124'; Menefee intervals from 6160' to 6348' and Point Lookout intervals from 6366' to 6542', Lower Pictured Cliffs intervals from 4238' to 4300'; Middle Pictured Cliffs intervals from 4140' to 4220' and Upper Pictured Cliffs intervals from 4052' to 4120'.

TUBING:

2" with Baker Model D production packer hung at 5848' with Otis side door choke with straight through Mandrel at 4318'

COMPLETION TEST DATA

DATE:

December 15, 1955

SHUT-IN-PERIOD

11 days

FINAL SHUT-IN-PRESSURES:

Tubing 1052 # (Mesaverde)
Casing 987 # (Pictured Cliffs)

RATE BY PITOT TUBE AFTER

3 HOUR BLOW DOWN:

2,249 Mcfgpd (Mesaverde gas thru tubing)
1,106 Mcfgpd (Pictured Cliffs gas thru casing)

This well was completed in the Mesaverde and the Pictured Cliffs zones. A Baker Model D production packer was installed so that there would be no communication between zones. Production from each formation shall be measured separately; Mesaverde gas shall be produced through the tubing and Pictured Cliffs gas through the casing. A separate schedule is being distributed providing for the expansion of the participating area for the Pictured Cliffs formation based on the completion of this well.

San Juan 29-4 Mesaverde Well #7-8 is located upon the drilling block described as the W/2 of Section 8, Township 29 North, Range 4 West, N.M.P.M. This drilling block is hereby admitted to the participating area.

Attached is Schedule II showing the First Expanded Participating Area for the Mesaverde Formation of San Juan 29-4 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 29-4 Unit, Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Donald L. Anderson

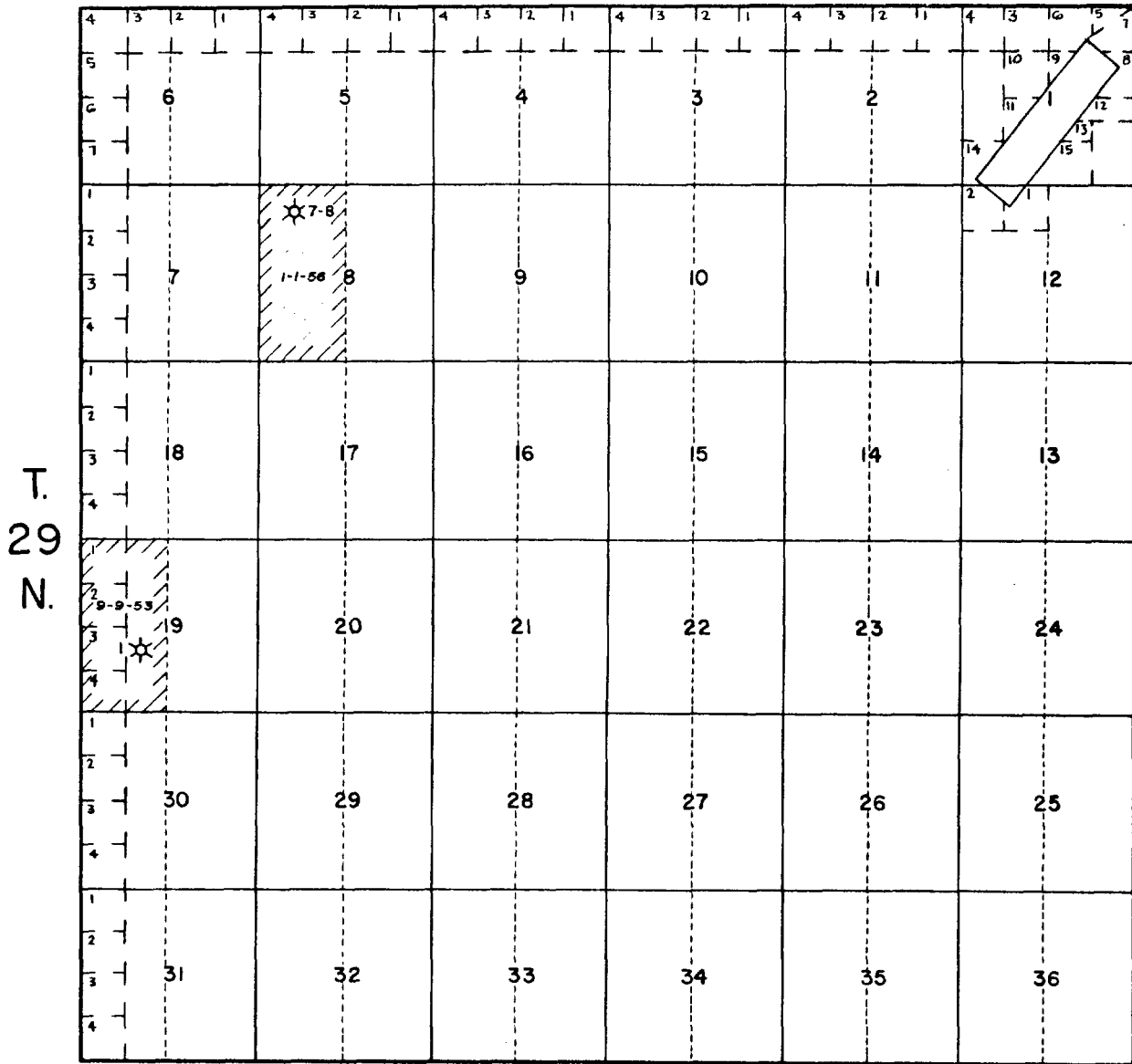
District Manager, Land Department

DLA:mdc

Attachment

EXHIBIT "A"

R. 4 W.



SAN JUAN 29-4 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

First Revision Effective January 1, 1956

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

SCHEDULE II
 FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVEERDE FORMATION
 SAN JUAN 29-4 UNIT AREA
 EFFECTIVE: JANUARY 1, 1956

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 079893-A	<u>T 29 N, R 4 W</u> <u>Sec. 30: W/2</u>	318.10	<u>TRACT 15</u>		
			Working Interest:		
			El Paso Natural Gas Co.		
			Royalty:		
			TOTAL	<u>87.50 %</u> <u>12.50 %</u> <u>100.00 %</u>	49.851121 %
<u>TRACT 4</u>					
SF 079757	<u>T 29 N, R 4 W</u> <u>Sec. 8: W/2</u>	320.00	Working Interest:		
			Pacific Northwest Pipeline Corp.		
			Royalty:		
			O.R.R.I.:		
			TOTAL	<u>85.00 %</u> <u>12.50 %</u> <u>2.50 %</u> <u>100.00 %</u>	50.148879 %
<u>TRACT 8</u>					
San Juan 29-4 Mesaverde Well #7-8	<u>Sec. 8: W/2</u>	<u>320.00</u>			
			<u>100.00 %</u>		
			<u>50.148879 %</u>		

SCHEDULE II
FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 29-4 UNIT AREA
EFFECTIVE: JANUARY 1, 1956

RECAPITULATION

Description of lands in Participating Area:

Township 29 North, Range 4 West, N.M.P.M.

Sec. 8: W/2
Sec. 30: W/2

Total number of acres in Participating Area: 638.10

Percentage of Working Interest Committed: 100.00 %
Percentage of Basic Royalty Interest Committed: 100.00 %
Percentage of O.R.R.I. Committed: 100.00 %

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

October 15, 1956

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: (San Juan 29-4 Unit)
1956 Plan of Development

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

The 1956 Plan of Development, as amended, for the referenced unit provided for the drilling of the wells which, with current status shown, are listed below:

Location	Well No.	Objective Formation	Completion Date	Well Test		Present Status
				3 Hr. IP Thru 3/4" Choke	CAOF	
E/2 Sec. 6-29N-4W	11-6	PC	-	-	-	Drilling
E/2 Sec. 34-29N-4W	-	PC	-	-	-	Not Drilled
W/2 Sec. 36-29N-4W	10-36	PC	9-4-56	1,348Mcf	1,403Mcf	Conducting Deliverability Test

Additional demands for new construction together with generally increased costs, both unforeseen at the time of drafting the Plan of Development, have compelled us to reallocate funds under our 1956 capital budget and have resulted in a material reduction in monies allocated for fourth quarter drilling operations. The well above scheduled for the E/2 Sec. 34, Township 29 North, Range 4 West is situated on leases wholly owned by Pacific and, if drilled would be at Pacific's sole cost and expense. Because of the forced reallocation of funds, we will be unable to drill this well as scheduled; and we must, therefore, delete it from the 1956 Plan of Development.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

R. N. RICHEY, Manager
Land Department

RNR:DLA:mb

Case 552

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

May 7, 1956

Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
Notice of Change of Location
1956 Plan of Development Well

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Gentlemen:

This is to advise that because of conditions of terrain and accessibility to gathering lines, Pacific Northwest Pipeline Corporation, Unit Operator, is making the following location change in the approved 1956 Plan of Development:

FROM:

Township 29 North, Range 4 West, Section 17: NE/4,
Mesaverde Well.

TO:

Township 29 North, Range 4 West, Section 8: SE/4,
Pictured Cliffs Well.

Pacific Northwest Pipeline Corporation owns all of the working interest in each of the above locations.

Copies of this notice are being sent to all working interest owners in the San Juan 29-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

R. N. Richey
R. N. Richey, Manager
Land Department

RNR:DLA:mhg



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

February 8, 1956

Pacific Northwest Pipeline Corporation
Sims Building
Albuquerque, New Mexico

Attention: Mr. R. M. Hickey

Gentlemen:

Your plan of development dated December 9, 1955, for the San Juan 29-4 Unit Area, New Mexico, for the calendar year 1956, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/copy of plan)
Farmington (w/copy of plan)
Comm. of Public Lands, Santa Fe (letter only)
Oil Cons. Comm., Santa Fe (letter only)

ILLEGIBLE

550

file

January 9, 1956

Pacific Northwest Pipeline Corporation
Simms Building
Albuquerque, New Mexico

Attention: Mr. R. N. Richey

Re: (San Juan 29-4 Unit)
1956 Plan of Development

Gentlemen:

We are enclosing two copies of the Plan of Development for San Juan 29-4 Unit Area, dated December 9, 1955, which was approved by the Commissioner of Public Lands January 6, 1955, subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

MMR/m
enc: 2

cc: USGS-Roswell
OCC-Santa Fe

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

January 5, 1956

**Pacific Northwest Pipeline Corporation
Simms Building
Albuquerque, New Mexico**

Attention: Mr. R. N. Richey

file
**Re: (San Juan 29-4 Unit)
Rio Arriba County, New Mexico
1956 Plan of Development**

Gentlemen:

This is to advise that the Plan of Development for the San Juan 29-4 Unit Area, dated December 9, 1955, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

**W. B. Macey
Secretary-Director**

WBM:jh

**cc: U. S. Geological Survey, Roswell
Commissioner of Public Lands, Santa Fe,**

**C
O
P
Y**

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

December 9, 1955

Re: San Juan 29-4 Unit Area,
Rio Arriba and San Juan
Counties, New Mexico.
PLAN OF DEVELOPMENT FOR
THE CALENDAR YEAR 1956.

Director
United States Geological Survey
Department of the Interior
Roswell, New Mexico.

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Gentlemen:

Pursuant to Section 10 of San Juan 29-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1956 to December 31, 1956:

<u>LOCATION</u>	<u>FORMATION</u>
E $\frac{1}{2}$ Sec. 17	Mesaverde
E $\frac{1}{2}$ Sec. 34	Pictured Cliffs
W $\frac{1}{2}$ Sec. 36	Pictured Cliffs

On April 12, 1955, El Paso Natural Gas Company, as Unit Operator, submitted for your approval an amended drilling program for 1955 for the above captioned unit, which included the E $\frac{1}{2}$ of Sec. 34, T 29N, R 4W. This well was not drilled during the calendar year 1955 and therefore, we have deferred the drilling until 1956, and have included it in the Plan of Development for that period.

The above wells will be drilled to intermediate casing point with conventional hydraulic rotary tools and the pay section will be drilled with gas tools. After running production casing through the pictured Cliffs, the gas sands will selectively perforated and fraced.

In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, also plans to drill any offset wells required to prevent drainage of unitized substances.

Re: San Juan 29-4 Unit

-2-

December 9, 1955

If this drilling program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

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

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. RICHEY, Manager,
Land Department.

RNR:DNC:gm

APPROVED: _____

DATE: _____

Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____


DATE: _____

Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: _____

DATE: _____


Oil Conservation Commission

JAN 5 1956

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

SAN JUAN 29-4 UNIT

WORKING INTEREST OWNERS

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas.
Attention: Mr. R. L. Hamblin.

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas.
Attention: Mr. W. P. Barnes.

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma.
Attention: G. E. Benskin.

Stanolind Oil and Gas Company
Oil and Gas Building
Fort Worth, Texas.
Attention: Mr. C. F. Bedford.

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio.

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico.

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico.

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico.

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico.

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico.

Mr. N. B. Stern
La Fonda Hotel

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas.

Mr. Roger B. Owings
1220 Fair Building
Fort Worth 2, Texas.

Mr. James A. Brown,
Co-Trustee for
Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York.

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York.

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

September 19, 1955

file

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

#552

Attention: Mr. Macey.

Gentlemen:

We forward herewith for the completion of your files
on (San Juan 29-4 Unit) one completely executed and approved copy of
the Designation of Pacific Northwest Pipeline Corporation as the
Successor Unit Operator.

Very truly yours,

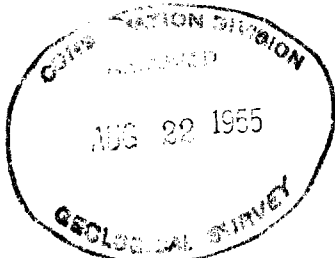
PACIFIC NORTHWEST PIPELINE CORPORATION

D. N. Canfield
D. N. CANFIELD,
Land Department.

DNC:gm

Enclosure.

AM



RECEIVED
AUG 15 1955

MINI OFFICE 000

DESIGNATION OF SUCCESSOR UNIT OPERATOR

SAN JUAN 29-4 UNIT AREA
RIO ARRIERA COUNTRY, NEW MEXICO
14-08-062-0035

THIS INDENTURE, dated as of this 30th day of June, 1955, by and between PACIFIC NORTHWEST PIPELINE CORPORATION, hereinafter designated as "First Party," and the owners of unitized working interests, hereinafter designated as "Second Parties."

WITNESSETH:

WHEREAS, under the provisions of the act of February 25, 1920, 41 Stat. 437, 30 U.S.C. Secs. 181, et seq., as amended by the act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 9th day of Sept., 1953, approved a unit agreement for the 29-4 Unit Area, wherein El Paso Natural Gas Company is designated Unit Operator; and

WHEREAS, said El Paso Natural Gas Company has resigned as such operator, and the designation of a successor Unit Operator is now required pursuant to the terms thereof; and

WHEREAS, the First Party has been and hereby is designated by the Second Parties as Unit Operator, and said First Party desires to assume all the rights, duties and obligations of Unit Operator under the said unit agreement;

NOW, THEREFORE, in consideration of the premises hereinabove set forth and the premises hereinafter stated, the First Party hereby covenants and agrees to fulfil the duties and assume the obligations of unit operator under and pursuant to all the terms of the 29-4 Unit Agreement and the Second Parties covenant and agree that, effective upon approval of this indenture by the Director of the Geological Survey, First Party shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said unit agreement; said unit agreement being hereby incorporated herein by reference and made a part hereof as fully and effectively as though said unit agreement were expressly set forth in this instrument.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

ATTEST:

B. B. Rogers
Asst. Secretary

PACIFIC NORTHWEST PIPELINE CORPORATION

By J. M. Clark
Vice-President
First Party

ATTEST:

A. C. Mutch
Asst. Secretary

EL PASO NATURAL GAS COMPANY

By A. F. Shaw
VICE President
R. L. H.

ATTEST:

R. L. Mutch
Asst. Secretary

PHILLIPS PETROLEUM COMPANY

By J. L. Scott
Vice President

ATTEST:

R. J. Galt
Assistant Secretary

STANOLIND OIL AND GAS COMPANY

By W. T. Gentry
President

ATTORNEY-IN-FACT Second Parties



The undersigned hereby approve the foregoing indenture designating Pacific Northwest Pipeline Corporation as Unit Operator under the Unit Agreement for the 29-4 Unit Area, as of the 1st day of July, 1955.

Arthur S. Baker SEP 1 - 1955
Acting Director of the Geological Survey

APPROVAL GRANTED SUBJECT TO LIKE APPROVAL
RECOMMENDED BY THE UNITED STATES GEOLOGICAL
SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO.

W B Macey
Oil Conservation Commission
of the State of New Mexico

E. Walker
Commissioner of Public Lands
of the State of New Mexico

El Paso Natural Gas Company

El Paso, Texas

May 12, 1955

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

file

Re: San Juan 29-4 Unit Area
#14-08-001-1055
Rio Arriba County, New Mexico
Notice of Approval of Amended
Plan of Development for the
Calendar Year 1955

Gentlemen:

This is to advise that the Amended Plan of Development for the San Juan 29-4 Unit Area for the calendar year 1955 was approved as follows:

1. Regional Supervisor, United States Geological Survey, April 29, 1955
2. Commissioner of Public Lands, State of New Mexico, May 3, 1955.
3. Oil Conservation Commission, State of New Mexico, May 2, 1955.

Done

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

T. W. Bittick

T. W. Bittick
Area Landman
Lease Department

TWB:BG:pb
cc: Attached List

RESIGNATION OF UNIT OPERATOR

San Juan 29-4 Unit Area
~~Rio Arriba County, New Mexico~~
14-08-001-1055

To The Honorable Director of the U. S. Geological Survey
Washington, D. C.

To The Honorable The Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

To The Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

To The Working Interest Owners under said Unit Agreement

Gentlemen:

El Paso Natural Gas Company, Unit Operator under the above described Unit Agreement, and pursuant to the provisions of Section 5, of said agreement, hereby respectfully resigns as Unit Operator under said Unit Agreement effective July 1, 1955, and gives notice of such resignation.

Very truly yours,

ATTEST:

EL PASO NATURAL GAS COMPANY

A.C. Martch
Assistant Secretary

By [Signature]
Vice President

Date July 7, 1955

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

May 2, 1955

El Paso Natural Gas Co.
P. O. Box 1492
El Paso, Texas

Attention: Mr. R. L. Hamblin

file
100-557

Re: San Juan 29-4 Unit
Rio Arriba County, N. M.
1955 Amended Plan of Development

Gentlemen:

This is to advise that the Amended Plan of Development for the above-captioned unit, dated April 22, 1955, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

In addition to the proposed wells, adequate offset wells must be drilled to protect the unit from drainage as provided in the unit agreement.

One approved copy of said Plan is returned herewith.

WBM

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: USGS, Roswell

Commissioner of Public Lands, Santa Fe



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

April 29, 1955

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas

Gentlemen:

The amended plan of development dated April 22, 1955, for the San Juan 29-4 unit area, New Mexico, No. 14-08-001-1055, has been approved on this date, subject to like approval by the appropriate State officials.

In addition to the proposed wells listed in the plan of development, adequate offset wells must be drilled to protect the unit area from drainage as provided in the unit agreement.

One approved copy of said plan is returned herewith.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons. Div., Wash (w/1 copy of plan)
Farmington (w/1 copy of plan)
NMOCC, Santa Fe (ltr only) ✓

El Paso Natural Gas Company

El Paso, Texas

April 22, 1955

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

approved 5/3/55

Re: San Juan 29-4 Unit
#14-08-001-1055
Rio Arriba County, New Mexico
Amended Drilling Program, 1955

Gentlemen:

On December 31, 1954, El Paso Natural Gas Company, as Unit Operator, submitted for your approval a Drilling Program for the calendar year 1955 for the San Juan 29-4 Unit Area. By letters dated February 4, 1955 and February 10, 1955, respectively the United States Geological Survey and the New Mexico Oil Conservation Commission accepted the Drilling Program and required an amended plan be filed on or before April 15, 1955, providing for the drilling of not less than four (4) development and exploration wells drilled at least to the base of the Mesaverde formation unless production in paying quantities is found at a lesser depth. By letter dated April 18, 1955, the United States Geological Survey extended the time for filing this amended Drilling Program until May 15, 1955.

All working interest owners have been contacted for the purpose of complying with these requests, and El Paso Natural Gas Company, as Unit Operator, now submits for your approval an amended Drilling Program for the calendar year 1955, providing for the drilling of four Mesaverde wells, unless as stated above, production in paying quantities is found at a lesser depth. These wells are to be drilled on the following locations:

W/2	Section 3	T-29-N	R-4-W
W/2	Section 8	T-29-N	R-4-W
E/2	Section 34	T-29-N	R-4-W
E/2	Section 35	T-29-N	R-4-W

These wells will be drilled in accordance with your operating regulations and due care will be taken to protect known horizons.

It is understood that portions of the Plan of Development herein outlined are dependent upon certain information to be obtained prior and subsequent to drilling and other contingencies such as availability of well casing, and for these reasons this Plan of Development may be modified from time to time with the approval of the Supervisor, the Commissioner, and the Commission to meet changing conditions.

If this drilling program is acceptable, please signify your approval of this Drilling Program as required under Section 10 of the Unit Agreement in the space provided below, and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By R L Hamblin
R. L. Hamblin
Manager, Lease Department

RLH:BG:rb

APPROVED: _____
Supervisor, United States Geological Survey

Date: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____
Commissioner of Public Lands

Date: _____

Subject to like approval by the U.S.G.S. and Oil Conservation Commission

APPROVED: orig /a/ wtrm
Oil Conservation Commission

Date: 5/2/53

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands

El Paso Natural Gas Company

El Paso, Texas

February 28, 1955

TO: ALL WORKING INTEREST OWNERS
SAN JUAN 29-4 UNIT

Re: 1955 Drilling Program

Gentlemen:

By copies of the enclosed letters from the United States Geological Survey and the New Mexico Oil Conservation Commission, we have been advised that our proposed 1955 drilling program for the above unit has been only conditionally approved, and that additional wells must be drilled in 1955 and an amended plan of development filed.

This letter is to inform you of this situation and inquire whether any working interest owner desires additional wells drilled on his acreage. You have previously advised us, as Unit Operator, that you did not desire any wells drilled on your acreage and the only wells being drilled in the San Juan 29-4 Unit are those on El Paso Natural Gas Company acreage, on which we are obliged to pay the initial drilling cost.

If we must drill additional wells, we feel that some of these wells should be on acreage other than that of El Paso Natural Gas Company. In other words, we do not feel that we should carry the entire load of these unit obligations. We would appreciate hearing from you as soon as possible on this matter.

Perhaps it would be advisable to have a meeting with all of the working interest owners to discuss the drilling of additional wells. In the event no decision is reached, we feel that we will have to put the problem up to the U.S.G.S. and Oil Conservation Commission, and drill such wells at such locations as they select. However, we of course do not want to do this if an agreement can be reached between the working interest owners as to these additional wells which are required to be drilled. We would appreciate your comments as soon as possible.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By R L Hamblin
R. L. Hamblin, Manager
Lease Department

RLH:ms

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 9, 1955

C
O
P
Y

El Paso Natural Gas Co.
P. O. Box 1492
El Paso, Texas

Attention: Mr. R. L. Hamblin

file cover 532

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico
1955 Drilling Program

Gentlemen:

This is to advise that the Plan of Development for calendar year 1955, dated December 31, 1954, for the subject unit has this date been accepted by the New Mexico Oil Conservation Commission as minimum compliance with the obligation of unit operator to submit a Plan of Development, pursuant to Article 10 of the Unit Agreement.

This Plan of Development is therefore accepted only on the condition that on or before April 15, 1955, a supplemental Plan of Development be filed, providing for the drilling of a minimum of four development and/or exploratory wells to a depth sufficient to adequately test the Mesaverde formation, unless unitized substances in paying quantities are encountered at lesser depth. In addition, adequate provision must be made to protect the unitized lands from drainage. We feel that due to the large amount of acreage comprising this unit, such a plan of development is not unreasonable and should lead to the orderly development of the subject area.

This approval is being granted subject also to the condition that like approval be obtained from the United States Geological Survey and from the Commissioner of Public Lands of the State of New Mexico.

dan
One approved copy of the Plan is herewith returned.

Very truly yours,

W. B. Macey
Secretary - Director

WBM:jh



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

February 4, 1955

El Paso Natural Gas Company
El Paso Natural Gas Building
El Paso, Texas

Gentlemen:

The 1955 plan of development dated December 31, 1954, for the San Juan 29-4 unit agreement is accepted subject to similar acceptance by the appropriate State officials as bare compliance with that provision of Sec. 10 of the unit agreement requiring that a plan be filed. An amended plan of development for 1955 providing for the drilling of not less than four development and exploration wells drilled at least to the base of the Mesaverde formation unless production in paying quantities is found at a lesser depth and, in addition, adequate offsets to protect the unitized lands from drainage, must be submitted for approval not later than April 15, 1955.

One copy of said plan indicating acceptance by this office is returned herewith.

Very truly yours,

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons.Div., Wash.D.C. (w/1 copy of plan)
Farmington (w/1 copy of plan)
✓ N.M.O.C.C. , Santa Fe (ltr. only)

El Paso Natural Gas Company

El Paso, Texas

December 31, 1954

Mr. John A. Anderson
Regional Supervisor
United States Geological Survey
Department of the Interior
Post Office Building
Roswell, New Mexico

Mr. E. S. Walker
Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Mr. W. B. Macey, Secretary
Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

*OK 12/15
then - 1/15/55*

Re: San Juan 29-4 Unit
#14-08-001-1055
Rio Arriba County, New Mexico
1955 Drilling Program

Gentlemen:

Since April 21, 1953, the effective date of the San Juan 29-4 Unit Agreement, the following wells have been completed on acreage committed to the Unit:

Well Name	Drilling Block	Initial Potential	Tied-In
San Juan 29-4 #1	W/2 Sec. 30, T29N, R4W	428	No
San Juan 29-4 #2	W/2 Sec. 35, T29N, R4W	6928	No
San Juan 29-4 #3	W/2 Sec. 22, T29N, R4W	57	No

One well has been completed in the Mesaverde Formation and two wells in the Pictured Cliffs Formation upon lands committed to the Unit. Of these 3 wells 2 have been determined to be capable of producing unitized substances in paying quantities. One well, the San Juan 29-4 #1 Well, was admitted to the Mesaverde participating area and one well, the San Juan 29-4 #2 Well, was admitted to the Pictured Cliffs participating area. The San Juan 29-4 #3 Well located in the W/2 of Section 22, Township 29 North, Range 4 West, was determined non-commercial. There are no wells producing into El Paso's gathering system.

The San Juan 29-4 #4 (Stanolind's D. A. Valdez #2) Well located on the W/2 of Section 10, Township 29 North, Range 4 West, and the San Juan 29-4 #5 (Stanolind's D. A. Valdez #1) located on the W/2 of Section 7, Township 29 North, Range 4 West, were both drilled by Stanolind Oil and Gas Company. The D. A. Valdez #2 Well was drilled to a total depth of 6185' and the D. A. Valdez #1 Well was

drilled to a total depth of 7000' and plugged back to 6240'. Both of these wells have been temporarily abandoned after the Mesaverde Formation was thoroughly tested and failed to produce.

All of the obligation wells have been drilled and therefore El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a drilling program for the calendar year 1955, consisting of one (1) well to be drilled to the Pictured Cliffs Formation; such drilling program to constitute all of our drilling obligations for such year. The proposed drilling site is listed below.

(1) SE/4 Section 25, T-29-N, R-4-W

El Paso Natural Gas Company, as Unit Operator, intends to drill this well to the base of the Pictured Cliffs Formation. Rotary tools will be used in drilling down to the top of the Pictured Cliffs Formation and cable tools will be used in drilling the pay section. Approximately 100' of 9 5/8" surface casing will be set and then a production string of 5 1/2" casing will be run down to the top of the Pictured Cliffs Formation. The Pictured Cliffs Formation will be treated with a sand-oil fracturing process. Due care will be taken to protect all horizons.

All of the working interest owners have been contacted and this drilling program reflects, insofar as possible, their requests for additional drilling.

If this drilling program is acceptable, please signify your approval of this drilling program as required under Section 10 of the Unit Agreement in the space provided below, and return an approved copy to El Paso Natural Gas Company.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By: R. L. Hamblin
R. L. Hamblin
Manager
Lease Department

RLH/BG/mp

APPROVED: _____
Supervisor, United States Geological Survey

Date: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____
Commissioner of Public Lands

Date: _____

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

ACCEPTED*

APPROVED: _____
Oil Conservation Commission

Date: _____

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands,

** accepted subject to conditions of acceptance as set forth
in attached letter of transmittal.*

Re: San Juan 29-4 Unit

Copies of the foregoing letter have been sent to the following working interest owners:

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Bldg.
Fort Worth, Texas

Mr. C. F. Bedford
Stanolind Oil & Gas Company
Oil & Gas Building
Fort Worth, Texas

Mr. W. H. Sparks
General American Oil Company of Texas
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Roger B. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

El Paso Natural Gas Company

1954 SEP 20 11 TENTH FLOOR BASSETT TOWER

El Paso, Texas

September 17, 1954

Commissioner of Public Lands
of the State of New Mexico
State Land Office
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
of the State of New Mexico
State Land Office
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit
#14-08-001-1055

Gentlemen:

Attached hereto is one (1) copy of Ratification and Joinder of Unit Agreement executed by John E. Cochran, Jr. et ux, one (1) copy of Ratification and Joinder of Unit Agreement executed by Charles C. Harlan, Jr. and one (1) copy of Ratification and Joinder of Unit Agreement executed by Foster Morrell, et ux, committing their interests in Tract 14 to the above captioned Unit.

We ask that you process these Ratifications in the usual manner in order to effectively commit these interests to the Unit.

Very truly yours,

T. W. Bittick

T. W. Bittick
Area Landman
Lease Department

TWB/BG/mas
Enclosures

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ILLEGIBLE

ADDRESS

Corpor Building

Artesia, New Mexico

SIGNATURE

John E. Cochran, Jr.
Harriett Justice Cochran

Date: April 1954

APPROVED AND CONSENTED TO BY THE FOLLOWING WORKING INTEREST OWNERS:

<u>Evelyn Ellen Wallace</u> Evelyn Ellen Wallace	<u>James Algernon Brown</u> James Algernon Brown
<u>Evelyn G. Brown</u> Evelyn G. Brown	<u>Omega E. Quinn</u> Omega E. Quinn

Date: _____

[Signature]
[Name]
Working Interest Owner

APPROVED AND CONSENTED TO:
By [Signature]
W. A. Romero
Working Interest Owner

APPROVED AND CONSENTED TO:
By [Signature]
W. B. Stern
Working Interest Owner

APPROVED AND CONSENTED TO:
By [Signature]
Robert P. Tinnin
Working Interest Owner

APPROVED AND CONSENTED TO:
By [Signature]
H. O. Pool
Working Interest Owner

APPROVED AND CONSENTED TO:
By [Signature]
J. E. Abercrombie
Working Interest Owner

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW HAMPSHIRE)
COUNTY OF ROCK) SS.:

On this 19 day of April, 1954, before me appeared John F. Cochran, Jr. and Marriett Justice Cochran, his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

October 1, 1956

Louis L. Smith
Notary Public in and for _____
County,
State of New Hampshire

STATE OF NEW YORK)
COUNTY OF NEW YORK) SS.:

On this 4th day of August, 1954, before me personally appeared EVELYN ELLEN WALLACE, EVELYN G. BROWN, and JAMES ALGERNON BROWN, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

My Commission expires:

SIDNEY SEGAL
NOTARY PUBLIC, STATE OF NEW YORK
No. 24003547
Qualified in the County of _____
Kings Reg., N.Y. Co. Clerk, _____
Commission Expires _____, 1956

Sidney Segal
Notary Public in and for New York
County,
State of New York

ILLEGIBLE

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

P. O. Box 534

Roswell, New Mexico

Date: 14 April 1954

SIGNATURE

Charles C. Harlan Jr.

ILLEGIBLE

APPROVED AND CONSENTED TO BY THE FOLLOWING WORKING INTEREST OWNERS:

Evelyn Ellen Wallace
Evelyn Ellen Wallace

Evelyn G. Brown
Evelyn G. Brown

James Algernon Brown
James Algernon Brown

Omega E. Quinn
Omega E. Quinn

Date: _____

Joe Quinn

APPROVED AND CONSENTED TO:
By M. A. Rogers
M. A. Rogers
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
By W. B. Stern
W. B. Stern
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
By Robert P. Finnis
Robert P. Finnis
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
By H. C. Peel
H. C. Peel
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
By J. E. Abernethy
J. E. Abernethy
WORKING INTEREST OWNER

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.


IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.
My Commission expires:

Notary Public in and for _____
County, _____
State of _____

STATE OF NEW YORK)
COUNTY OF NEW YORK) SS.:

On this 4th day of August, 1954, before me appeared EVELYN ELLEN WALLACE, EVELYN G. BROWN, and JAMES ALGERNON BROWN, ~~discussing~~ to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:
SIDNEY SEGAL

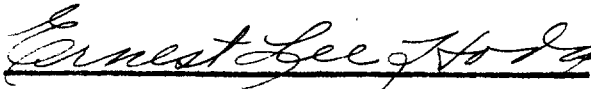


Notary Public in and for _____
New York County,
State of New York

STATE OF NEW MEXICO)
COUNTY OF CHAVES) SS.:

On this 14th day of April, 1954, before me personally appeared Charles C. Harlan, Jr., a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as his _____ free act and deed.

My Commission expires:
3/14/57



Notary Public in and for _____
Chaves County,
State of New Mexico

ILLEGIBLE

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

P. O. Box 933

Roswell, New Mexico

Date: 15 April 1954

SIGNATURE

Foster Morrell

Edna E. Morrell

APPROVED AND CONSENTED TO BY THE FOLLOWING WORKING INTEREST OWNERS:

Evelyn Ellen Wallace

Evelyn Ellen Wallace

Evelyn G. Brown

Evelyn G. Brown

James Algernon Brown

James Algernon Brown

Omega E. Quinn

Date: _____

By Joe Quinn

Joe Quinn

APPROVED AND CONSENTED TO:

By M. A. Romero

M. A. Romero

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

By H. E. Stern

H. E. Stern

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

By Robert P. Tinnin

Robert P. Tinnin

Working Interest Owner

APPROVED AND CONSENTED TO:

By H. O. Pool

H. O. Pool

Working Interest Owner

APPROVED AND CONSENTED TO:

By J. E. Abercrombie

J. E. Abercrombie

Working Interest Owner

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO)
COUNTY OF CHAVES) SS.:

On this 15th day of April, 1954, before me appeared Foster Morrell and Edna I. Morrell his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

3/16/57

Ernest Lee Hodges
Notary Public in and for _____
Chaves County,
State of New Mexico

STATE OF)
COUNTY OF) SS.:

On this 4th day of April, 195____, before me personally appeared JOHN and JANE, ~~as single person~~, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that they ~~xxx~~ executed the same as their free act and deed.

My Commission expires:

SIDNEY SEGAL
NOTARY PUBLIC, STATE OF NEW YORK

Kings Reg., N.Y. Co. Reg. No. _____
Commission Expires March 30, 1956

Sidney Segal
Notary Public in and for _____
County,
State of _____

ILLEGIBLE

552
El Paso Natural Gas Company

MAIN OFFICE 000

TENTH FLOOR BASSETT TOWER

El Paso, Texas

1954 AUG 18 AM 8:30

August 18, 1954

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

Enclosed herewith please find the following Ratification and Joinders of Unit Agreement and Unit Operating Agreement committing various interests to the above captioned Unit:

1. One (1) copy of Ratification and Joinder of Unit Agreement executed by Omega E. Quinn committing her working interest under Tracts 14 and 15, and her overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 607.
2. One (1) copy of Ratification and Joinder of Unit Agreement executed by J. R. Abercrombie et ux, committing their working interest under Tracts 14 and 15, and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 606.
3. One (1) copy of Ratification and Joinder of Unit Agreement executed by Joe Quinn et ux, and N. B. Stern committing their working interest under Tracts 14 and 15, and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 605.

4. One (1) copy of Ratification and Joinder of Unit Agreement executed by R. P. Tinnin et ux committing their working interest under Tracts 14 and 15, and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 604.
5. One (1) copy of Ratification and Joinder of Unit Agreement executed by H. O. Pool et ux committing their working interest under Tracts 14 and 15 and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey and has been placed of record in the office of the County Recorder, Rio Arriba County, New Mexico, on August 3, 1954, in Volume 22, Page 460.
6. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by Omega E. Quinn committing her working interest under Tracts 14 and 15, and her overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
7. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by J. R. Abercrombie et ux, committing their working interest under Tracts 14 and 15, and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
8. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by Joe Quinn et ux and N. B. Stern, committing their working interest under Tracts 14 and 15, and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
9. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by R. P. Tinnin et ux committing their working interest under Tracts 14 and 15, and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey.
10. One (1) copy of Ratification and Joinder of Unit Operating Agreement executed by H. O. Pool et ux, committing their working interest under Tracts 14 and 15, and their overriding royalty interest under Tract 15 to the above captioned Unit. This instrument has been filed with the United States Geological Survey.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick

Area Landman

Lease Department

TWB/ROB/mas

Enclosures

cc: Attached List

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Bldg.
Fort Worth, Texas

Mr. C. F. Bedford
Stanolind Oil & Gas Co.
Oil & Gas Building
Fort Worth, Texas

Mr. W. H. Sparks
General American Oil Company of Texas
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Roger B. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

Mr. Robert P. Timmin
P. O. Box 896
Albuquerque, New Mexico

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Jan. 15, 14

ADDRESS

Box 896

Albuquerque, New Mexico

Date: _____

Date: _____

SIGNATURE

Rene E. Quinn

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By *R. F. Quinn*

Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By _____

Vice President

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared

_____ and _____
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

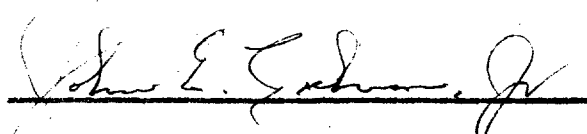
STATE OF NEW MEXICO)
COUNTY OF EDDY) SS.:

On this 8th day of July, 1953, before me personally

appeared Omega E. Quinn, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ he executed the same as _____ her free act and deed.

My Commission expires:

May 12, 1957


Notary Public in and for _____
Eddy County,
State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Ja. 15, 14

ADDRESS

SIGNATURE

P.O. Box 335

J. R. Alencumb

Santa Fe n.m.

Date: 18 July 1953

SAME

Dorothy Dick Alencumb

Date: 18 July 1953

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By [Signature]
Vice President
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By Gordon Simpson
Vice President
WORKING INTEREST OWNER

STATE OF }
COUNTY OF } SS.:

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.
My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF TEXAS }
COUNTY OF HARRIS } SS.:

On this 27th day of July, 1953, before me appeared J.R. ABERCROMBIE and Jerothy Dick Abercrombie his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:
June 1955

Mrs. Mary Notary
Notary Public in and for _____
HARRIS County,
State of TEXAS

STATE OF }
COUNTY OF } SS.:

On this _____ day of _____, 195____, before me personally appeared _____, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as _____ free act and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Jn. 15, 14

ADDRESS

SIGNATURE

Box 335 Santa Fe

[Signature]

N. M.

Kathleen Quinn

Date: _____

La Fonda Hotel

NB Stern

Santa Fe, New Mexico

Date: _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature]

Vice President

WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By [Signature]

Vice President

WORKING INTEREST OWNER

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

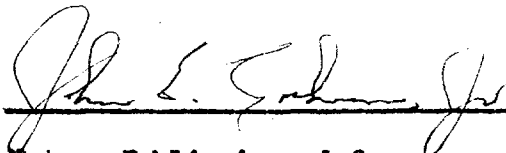
My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF NEW MEXICO)
COUNTY OF BIRDY) SS.:

On this 8th day of July, 1953, before me appeared Joe Quirn and Kathleen Quirn his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

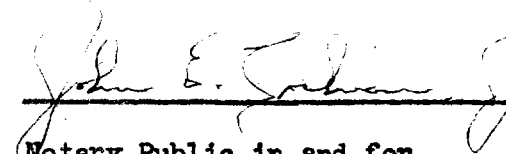
My Commission expires:
May 12, 1957


Notary Public in and for _____
County,
State of New Mexico

STATE OF NEW MEXICO)
COUNTY OF BIRDY) SS.:

On this 8th day of July, 1953, before me personally appeared N. D. Stern, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as _____ free act and deed.

My Commission expires:
May 12, 1957


Notary Public in and for _____
County,
State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Mr. 15/4

ADDRESS

P. O. Box 896, Albuquerque, N. Mex.

■ ■ ■

Date: 4-16-54

Date: _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By *H. F. Green*
Vice President

WORKING INTEREST OWNER

SIGNATURE

R. P. Jensen
Frances Jensen

APPROVED AND CONSENTED TO:

GENERAL AMERICAN OIL COMPANY OF TEXAS

By *Fordson Simpson*
Vice President

WORKING INTEREST OWNER

STATE OF)
) SS.:
COUNTY OF)

On this _____ day of _____, 195____, before me appeared

_____, to me personally known, who, being
by me duly sworn, did say that he is the _____ President of _____
_____ and that the seal affixed to said instrument
is the corporate seal of said corporation, and that said instrument was signed
and sealed in behalf of said corporation by authority of its board of directors,
and said _____ acknowledged said instrument to be
the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official
seal the day and year in this certificate first above written.

My Commission expires:

Notary Public in and for _____
_____ County,
State of _____

STATE OF New Mexico)
) SS.:
COUNTY OF Bernalillo)

On this 16th day of April, 1954, before me appeared

R. P. Tinnin and Frances Tinnin
his wife, to me known to be the persons described in and who executed the fore-
going instrument, and acknowledged to me they executed the same as their free act
and deed.

My Commission expires:

2-5-56

Pauline Berrie
Notary Public in and for _____
Bernalillo County,
State of New Mexico

STATE OF)
) SS.:
COUNTY OF)

On this _____ day of _____, 195____, before me personally

appeared _____, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that _____ he executed the same as _____ free act and deed.

My Commission expires:

Notary Public in and for _____
_____ County,
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr 14, 15


ADDRESS

SIGNATURE

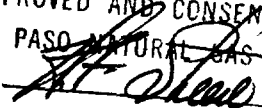
Box 1150

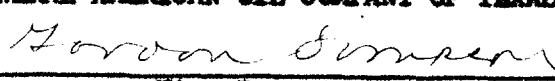
Plainview, Texas

Date: June 4, 1954


Thelma K. Paal

Date: _____

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By 
Vice President
WORKING INTEREST OWNER

APPROVED AND CONSENTED TO:
GENERAL AMERICAN OIL COMPANY OF TEXAS
By 
Vice President
WORKING INTEREST OWNER

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is the _____ President of _____ and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said _____ acknowledged said instrument to be the free act and deed of said corporation.


IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.
My Commission expires:

Notary Public in and for _____
County,
State of _____

STATE OF TEXAS)
COUNTY OF HALE) SS.:

On this 4th day of June, 1954, before me appeared H. O. Pool and Thelma K. Pool his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:
June 1, 1955


Eloise Parker
Notary Public in and for Hale County,
State of Texas.

STATE OF)
COUNTY OF) SS.:

On this _____ day of _____, 195____, before me personally appeared _____, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that _____ he executed the same as _____ free act and deed.

My Commission expires:

Notary Public in and for _____
County,
State of _____

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

SIGNATURE

Box 896

Albuquerque, New Mexico

Date: _____

Date: _____

STATE OF NEW MEXICO
COUNTY OF EDDY

SS.:

On this 8th day of July, 195 3, before me personally appeared Omega E. Quinn, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

May 12, 1957

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By H. F. Stearns
Vice President

UNIT OPERATOR

Omega E. Quinn
Notary Public in and for
Eddy County, State of
New Mexico

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said _____
San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

<u>ADDRESS</u>	<u>SIGNATURE</u>
<u>P.O. Box 335</u> <u>Santa Fe N.M.</u>	<u>J. R. Abercrombie</u>
Date: <u>28 July 1953</u>	
<u>SAME</u>	<u>Dorothy Dick Abercrombie</u>
Date: <u>28 July 1953</u>	

STATE OF TEXAS)
COUNTY OF HARRIS) SS.

On this 28th day of July, 1953,
before me personally appeared J. R. Abercrombie and Dorothy Dick Abercrombie
to me known to be the person 5 described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their
free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Mrs. Mary D. Roberts
Notary Public in and for HARRIS
County, State of TEXAS

My commission expires:

1 June 1955

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By H. F. Stearns
Vice President
UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

TV 14/15

P. L. DICK ~~ONE~~ ADDRESS

SIGNATURE

Albuquerque, New Mexico

R. P. Timmer
Frances Timmer

Albuquerque

Date: _____

Date: New Mexico
Bernalillo

STATE OF 4th) June
COUNTY OF N. M. Lincoln and Frances Timmer)

4

On this _____ day of _____, 195____, before me personally appeared _____ to me known to be the person _____ described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above Bernalillo
New Mexico

My Commission expires: _____

Pauline Brewer
Notary Public in and for _____
County, State of _____

APPROVED AND CONSENTED TO:

EL PASO NATURAL GAS COMPANY

By [Signature]
Vice President

UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

ADDRESS

SIGNATURE

Box 1150

Plainview, Texas

Date: June 4, 1954

Date: _____

STATE OF **TEXAS**

COUNTY OF **HALE**

)
) SS.:
)

On this 4th day of June, 1954, before me personally appeared H. O. Pool and wife, Thelma K. Pool to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

June 1, 1955

Eloise Parker
Notary Public in and for _____

Hale County, State of _____

Texas

(Eloise Parker)

APPROVED AND CONSENTED TO:
EL PASO NATURAL GAS COMPANY
By H. F. Skew
Vice President
UNIT - P RATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARRIBA COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

JUL 14 1953

ADDRESS

SIGNATURE

Box 335

[Signature]

Santa Fe, N.M.

Kathleen Quinn

Date: _____

Box 335

W.B. Stern

Santa Fe, New Mexico

Date: _____

STATE OF NEW MEXICO)

COUNTY OF EDDY)

SS.:

On this 8th day of July, 195 3, before me personally appeared Joe Quinn and Kathleen Quinn, his wife, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires:

[Signature]
Notary Public in and for _____
Eddy County, State of
New Mexico

May 12, 1957

APPROVED AND CONSENTED TO:

ET PASO NATURAL GAS COMPANY

By [Signature]

Vice President

UNIT OPERATOR

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

Tr. 6, 8, 10, 12

ADDRESS

SIGNATURE

13 1/2 South Capitol

Santa Fe, New Mexico

Date: June 30, 1953

Date: _____

STATE OF NEW MEXICO

COUNTY OF SANTA FE

SS.

On this 30th day of June, 19 53, before me personally appeared M. A. Romero and Alicia V. Romero, his wife to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Victoria Ortiz
Notary Public in and for Santa Fe
County, State of New Mexico

My commission expires:

June 8, 1955

RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARriba COUNTY NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

To 6, 8, 10, 12

ADDRESS

Gay Acres Farm

Wooster, Ohio

Date: July 3, 1953

Date: _____

SIGNATURE

Robert Critchfield

Margaret N. Critchfield

STATE OF OHIO)

COUNTY OF WAYNE)

SS.

On this 3rd day of July, 19 53,
before me personally appeared Robert Critchfield and Margaret N. Critchfield
to me known to be the persons described in and who executed the foregoing
instrument, and acknowledged that they executed the same as their
free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

Blanche Buschhoff
Notary Public in and for Wayne
County, State of Ohio

My commission expires:

May 10, 1955

**RATIFICATION AND JOINDER OF UNIT OPERATING AGREEMENT UNDER
UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE
San Juan 29 - 4 Unit RIO ARRIBA COUNTY NEW MEXICO**

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the said San Juan 29 - 4 Unit, in form approved by the Secretary of the Interior, the undersigned owners of lands or leases or interests therein presently held or which may arise under existing option agreements or other interests in production covered by said Unit Operating Agreement, each to the extent of his or her particular ownership or interest, as may appear, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the said Unit Area.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

Tr. 14

ADDRESS

SIGNATURE

14 Arthur Drive

Scarsdale, New York

Date: _____

Date: _____

STATE OF NEW YORK

COUNTY OF WESTCHESTER

SS.:

On this 31st day of July, 1953, before me personally appeared James A. Brown, Mary Ellen Brown, Evelyn G. Brown & Evelyn Ellen Wallace to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission expires: _____

HENRY B. SCHINDLER
Notary Public, State of New York
No. 60347
Qualified in Westchester County
Term Expires March 30, 1955

Notary Public in and for _____
County, State of _____

James A. Brown

Mary Ellen Brown - WIFE

Evelyn G. Brown - WIDOW

James A. Brown CO-TRUSTEE
FOR EVELYN ELLEN WALLACE

Evelyn Ellen Wallace
CO-TRUSTEE FOR
EVELYN ELLEN WALLACE

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 1, 15

ADDRESS

1404 Republic Bank Building

Dallas, Texas

Date: June 17, 1953

SIGNATURE

J. K. Rigsbee
Myrtle M. Rigsbee

STATE OF TEXAS)
COUNTY OF DALLAS) SS.:

On this 17th day of June, 1953, before me appeared

J. K. RIGSBEE and MYRTLE M. RIGSBEE
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

6-1-55

Mary Jane Rice (MaryJaneRice)
Notary Public in and for
DALLAS County,
State of TEXAS

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Salt Domes Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 1, 1A

ADDRESS

SIGNATURE

1220 Fair Bldg.
Fort Worth 2, Texas

x Roger B. Cwings
x Lucy P. Cwings

Date: 6 July 1953

STATE OF TEXAS)
COUNTY OF TARRANT)

SS.:

On this 6 day of July, 1953, before me appeared Roger B. Cwings and Lucy P. Cwings his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Notary Public in and for
TARRANT County,
State of Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-A Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 2, 13

ADDRESS

15 ANNAND ST
LAFAYETTE CO CO

Date: 6-30-53

SIGNATURE

Paul E Goodman
Elmo M. Goodman

STATE OF COLORADO)
COUNTY OF DENVER) SS.:

On this 30th day of June, 1953, before me appeared

PAUL E. GOODMAN and ELMO M. GOODMAN
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

My Commission expires July 25, 1956

Wanda A. Allen
Wanda A. Allen
Notary Public in and for
Denver County,
State of Colorado

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 2

ADDRESS

Shirkmere Apt. Hotel, Wichita, Kansas

Shirkmere Apt. Hotel, Wichita, Kansas

Date: June 17, 1953.

SIGNATURE

Grace Kramer Ernest
R. H. Ernest

STATE OF KANSAS)
COUNTY OF SEDGWICK) SS.:

On this 17th day of June, 1953, before me appeared

R. H. Ernest and Grace Kramer Ernest
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

James P. Winston
Notary Public in and for
Sedgwick County,
State of Kansas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 2, 11

ADDRESS

SIGNATURE

719-17th St Denver Colo

Ernest H Peterson

719-17th St Denver Colo

Ernest H Peterson

Date: January 2, 1952

Ernest H Peterson

STATE OF Colorado
Pcity
 COUNTY OF Denver SS.:

On this 10th day of January, 195 2, before me appeared

Ernest H. Peterson and Guadalupe S. Peterson
 his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

January 2, 1953

Michael J. ...
 Notary Public in and for ...
... County,
 State of Colorado

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 2

ADDRESS

2318 Fifth Avenue

Fort Worth, Texas

Date: July 11, 1953

ATTEST:

Assistant Cashier

Fort Worth, Texas

Date: July 11, 1953

SIGNATURE

HELEN MAGRUDER

THE FORT WORTH NATIONAL BANK,
Independent Executor & Trustee of the
Estate of Roy S. Magruder, Deceased

By

F. O. Shelton
Vice-President

STATE OF TEXAS)
) SS.:
COUNTY OF TARRANT)

On this 11th day of July, 1953, before me appeared

F. O. SHELTON, to me personally known, who, being by me duly sworn, did say that he is the Vice-President of The Fort Worth National Bank, a corporation, and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board of directors, and said F. O. SHELTON acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

My Commission expires:

My Commission Expires June 1, 1955

[Signature]
Notary Public in and for
Tarrant County,
State of Texas

RUTH RAGON MAYO
Notary Public, Tarrant County, Texas

STATE OF)
) SS.:
COUNTY OF)

On this _____ day of _____, 195____, before me appeared

_____ and _____
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Notary Public in and for _____
_____ County,
State of _____

STATE OF TEXAS)
) SS.:
COUNTY OF TARRANT)

On this 11th day of July, 1953, before me personally

appeared HELEN MAGRUDER, a Widow, ~~acknowledged~~, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that she executed the same as her free act and deed.

My Commission expires:

My Commission Expires June 1, 1955

[Signature]
Notary Public in and for
Tarrant County,
State of Texas

RUTH RAGON MAYO
Notary Public, Tarrant County, Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29.4 Unit Area located within the County of RIO ARRIBA State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

TR. 3

ADDRESS

145 Inca Street

Denver 9, Colorado

Date: June 24, 1953

SIGNATURE

Hazel D. Quintana

STATE OF **COLORADO**)
CITY AND) SS.:
COUNTY OF **DENVER**)

On this 24th day of June, 1953, before me personally appeared Hazel D. Quintana, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that he executed the same as his free act and deed.

My Commission expires:

February 15, 1954

Margaret D. Hall
Notary Public in and for City and County
of Denver County,
State of Colorado.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARRIBA State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tx 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

ADDRESS

134 S. Capitol Place

Santa Fe, New Mexico

SIGNATURE

M. A. Romero

Alicia V. Romero

Date: June 15, 1953

STATE OF New Mexico)
COUNTY OF Santa Fe) SS.:

On this 15th day of June, 1953, before me appeared

M. A. Romero and Alicia V. Romero
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

July 20, 1954

Joseph P. Sanagorta

Notary Public in and for
Santa Fe County,
State of New Mexico.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 4, 5

ADDRESS

SIGNATURE

Albert M. Senter Jr.
Mary Senter

Date: _____

STATE OF New Mexico)
) SS.:
COUNTY OF Bernalillo)

On this 17th day of June, 1953, before me appeared

Albert M. Senter, Jr. and Mary Senter
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

March 7, 1954

Notary Public in and for _____
Bernalillo County,
State of New Mexico

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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TR 6, 8, 10, 12

ADDRESS

1404 Republic Bank Building

Dallas, Texas

Date: June 26, 1953

SIGNATURE

W. L. Perryman

Betty Lu Perryman

STATE OF TEXAS)

COUNTY OF DALLAS)

SS.:

On this 26th day of June, 195 3, before me appeared

W. L. Perryman, Jr. and Betty Lu Perryman

his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

June 1, 1955

Katherine Manning

Katherine Manning

Notary Public in and for Dallas

County,

State of Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29 - 4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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TR 6, 8, 10, 12

ADDRESS

1404 Republic Bank Building

Dallas, Texas

Date: June 26, 1953

SIGNATURE

W. L. Perryman, Jr.

Betty Lu Perryman

STATE OF TEXAS)
)
COUNTY OF DALLAS) SS.:

On this 26th day of June, 1953, before me appeared

W. L. Perryman, Jr. and Betty Lu Perryman
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

June 1, 1955

Katherine Manning

Katherine Manning
Notary Public in and for Dallas
County,
State of Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29.4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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TR. 7

ADDRESS

SIGNATURE

San Juan 29.4 Unit

Guy R. Campbell

San Juan 29.4 Unit

Guy R. Campbell

Date: 18, 1953

STATE OF Kansas
COUNTY OF Saline

SS.:

On this 18th day of June, 1953, before me appeared

Guy R. Campbell and Mary E. Campbell
his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

Robert Greer
Notary Public in and for Saline County,
State of Kansas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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TR. 9

ADDRESS

SIGNATURE

Date: _____

STATE OF _____)
COUNTY OF _____)

SS.:

On this _____ day of _____, 195____, before me appeared

_____ and a single person
~~known~~ to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me ~~they~~ she executed the same as ~~their~~ her free act and deed.

My Commission expires:

Sept. 1954

Raymond Bird
Notary Public in and for _____
County, _____
State of _____

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the San Juan 29-4 Unit Area located within the County of RIO ARriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tr. 14

ADDRESS

SIGNATURE

14 Arriba Drive

Mr. X. X. X.

San Juan, New Mexico

Mrs. X. X. X. - WIFE

Date: _____

- WIDOW

Mr. X. X. X. - CO-TRUSTEE

FOR EVELYN ELLEN WALLACE

Date: _____

Evelyn Ellen Wallace

CO-TRUSTEE FOR EVELYN ELLEN WALLACE

STATE OF NEW YORK

COUNTY OF WESTCHESTER

SS.:

On this 31st day of July, 1953, before me appeared

James A. Brown

and

Mary Ellen Brown

his wife, to me known to be the persons described in and who executed the foregoing instrument, and acknowledged to me they executed the same as their free act and deed.

My Commission expires:

HENRY B. SCHINDLER
Notary Public in and for the State of New York
Qualified in Westchester County
Term Expires March 22, 1955

Henry B. Schindler
Notary Public in and for _____
County, _____
State of _____

STATE OF NEW YORK

COUNTY OF WESTCHESTER

SS.:

On this 31st day of July, 1953, before me personally
Evelyn Ellen Wallace Co-Trustee for _____ and Evelyn G. Brown, a widow
appeared Evelyn Ellen Wallace, a single person, to me known to be
the person described in and who executed the foregoing instrument, and acknowledged
to me that they ~~he~~ executed the same as their free act and deed.

My Commission expires:

Term Expires

Henry B. Schindler
Notary Public in and for _____
County, _____
State of _____

12723

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the 29-4 Unit Area located within the County of Rio Arriba State of New Mexico in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

Tract No. 17

ADDRESS

2510 N.W. 12th Street
Oklahoma City, Oklahoma

SIGNATURE

Ruby Lee Wallace
Ruby Lee Wallace

STATE OF Okla.)
COUNTY OF Okla.) SS.:

On this 6 day of July, 1953, before me personally appeared Ruby Lee Wallace, a single person, to me known to be the person described in and who executed the foregoing instrument, and acknowledged to me that she executed the same as her free act and deed.

My Commission expires:

Tom Hilborne
Notary Public in and for Oklahoma County,
State of Oklahoma

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

11 June 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

file

San Juan 29-4

Re: San Juan 29-4 Unit No. 14-08-001-1055
Rio Arriba County, New Mexico
Noncommercial Well - Pictured Cliffs Formation
Determined 7 April 1954

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-4 Unit Agreement, No. 14-08-001-1055, approved 9 September 1953, El Paso Natural Gas Company as Unit Operator determined on 7 April 1954, that the following described well was not capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation.

This well is as follows:

El Paso Natural Gas Company's San Juan 29-4 #3 Well is located 1001' North of the South line and 1738' East of the West line of Section 22, Township 29 North, Range 4 West, Rio Arriba County, New Mexico. This well was spudded on 28 October 1953 and reached a total depth of 6155' but as the Mesaverde formation proved unproductive this well was plugged back to a total depth of 3900'. The well was tested on 7 April 1954 and after a three hour blow-down gauged an IP of 57 MCFGPD with an SIPC of 862# and an SIPT of 861#. The drilling block upon which this well is located is described as the W/2 of Section 22, Township 29 North, Range 4 West, N.M.P.M. and consists of 320 acres.

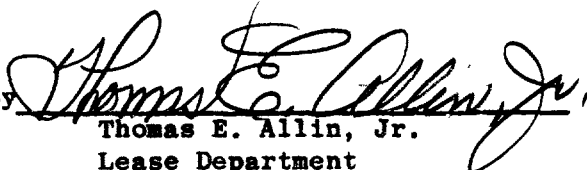
- 2 -

Inasmuch as this determination needs no official approval, no provision is made therefore, and in the absence of disapproval this well will continue to be considered noncommercial.

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

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Thomas E. Allin, Jr.
Lease Department

TEA,Jr/mas
cc: Attached List

556
MAIN OFFICE 1954
1954 JUN 11 11:51

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

4 June 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit
Revised Page One for
Exhibit "B" dated
12 May 1954

Gentlemen:

Enclosed please find a new Page one (1) revised to 2 June 1954, to be used in place of the Page one (1) revised to 12 May 1954 which you now possess. This change was brought about by the forwarding to us from the Chicago Corporation of additional title information on this Unit.

Yours very truly,

EL PASO NATURAL GAS COMPANY


Thomas E. Allin, Jr.
Lease Department

TEA,Jr/mas
cc: Attached List
Enclosures

Re: San Juan 29-4 Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Bldg.
Fort Worth, Texas

Mr. C. F. Bedford
Stanolind Oil & Gas Co.
Oil & Gas Building
Fort Worth, Texas

Mr. W. H. Sparks
General American Oil Company of Texas
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mr. Roger B. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

MAIN OFFICE *El Paso Natural Gas Company*

TENTH FLOOR BASSETT TOWER
EL PASO, TEXAS

El Paso, Texas

14 May 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit
Revised Exhibit "B"

Gentlemen:

Enclosed please find copies of Exhibit "B" for the above noted Unit revised to 12 May 1954. You will note many changes which have been made due to a great deal of additional information having been obtained since distribution of the Exhibit "B" you now possess.

I have obtained Ratifications and Joinders of the Unit Operating Agreement from the Working Interest Owners that have been added to this Revised Exhibit "B". As soon as all procedures required to conform with the Unit Agreement have been accomplished, regarding ratification by a Working Interest Owner, these documents will be forwarded to your office.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By *Thomas E. Allin, Jr.*
Thomas E. Allin, Jr.
Lease Department

TEA, Jr/mas
cc: Attached List

Re: San Juan 29-4 Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Bldg.
Fort Worth, Texas

Mr. C. F. Bedford
Stanolind Oil & Gas Co.
Oil & Gas Building
Fort Worth, Texas

Mr. W. H. Sparks
General American Oil Company of Texas
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert Critchfield
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Scarsdale, New York

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14 Axtell Drive
Scarsdale, New York

Mr. Roger B. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. J. R. Abercrombie
P. O. Box 335
Santa Fe, New Mexico

Mr. Joe Quinn
Box 335
Santa Fe, New Mexico

Mrs. Omega E. Quinn
Box 896
Albuquerque, New Mexico

Mr. Robert P. Tinnin
P. O. Box 896
Albuquerque, New Mexico

Mr. N. B. Stern
La Fonda Hotel
Santa Fe, New Mexico

Mr. H. O. Pool
P. O. Box 1150
Plainview, Texas

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

March 8, 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 29-4 Unit #1 Well
Determination of effective
date for Participating Area

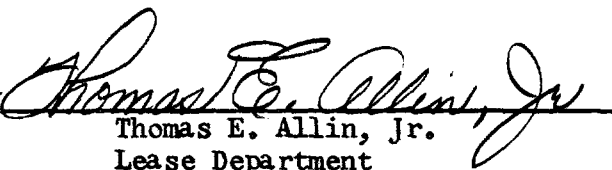
Gentlemen:

At the time the request for approval for the Initial Participating Area of the above named well was made it was to be made effective the date of first production. Since that time and pursuant to existing rules and regulations, we have determined that the effective date of an Initial Participating Area is to be the date of first production which has further been determined to be the date the well was completed.

The completion date for the herein discussed well was prior to the date this unit was approved. Therefore, I submit to you that the effective date of this Participating Area is 9 September 1953, that being the approval date of this Unit.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Thomas E. Allin, Jr.
Lease Department

TEA,Jr:pap
cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

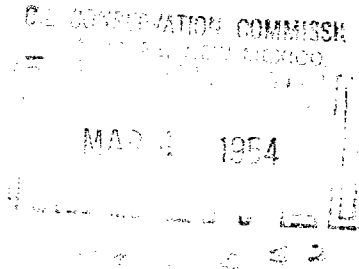
El Paso, Texas

March 1, 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Santa Fe, New Mexico



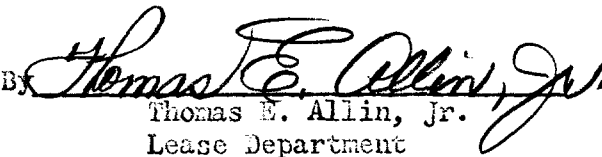
Re: San Juan 29-4 Unit
No. 14-08-001-1055
Rio Arriba County, New Mexico
Approval of Initial Participating Area
Pictured Cliffs Formation

Gentlemen:

This is to advise that the Initial Participating Area, Pictured Cliffs Formation, for the San Juan 29-4 Unit Area was approved by the Director, United States Geological Survey, on 19 February, 1954, the Commissioner of Public Lands of the State of New Mexico, on 17 January, 1954, and the Oil Conservation Commission of the State of New Mexico on 22 January, 1954.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Thomas E. Allin, Jr.
Lease Department

TEA, Jr/ms
cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

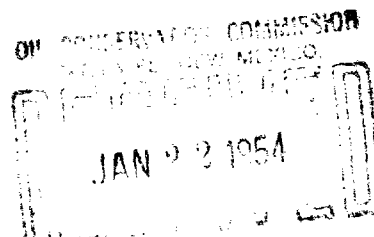
El Paso, Texas

15 January 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico



Re: San Juan 29-4 Unit No. 14-08-001-1055
Rio Arriba County, New Mexico
Request for Approval of Initial
Participating Area - Pictured Cliffs Formation
To Be Effective Date of First Production

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 29-4 Unit Agreement No. 14-08-001-1055, approved September 9, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Initial Participating Area for the Pictured Cliffs Formation. On January 11, 1954, we sent out our Notice of Discovery.

The Initial Participating Area contains 320.00 acres and is composed of one drilling block with one discovery well located thereon:

Township 29 North Range 4 West

<u>Well</u>	<u>Drilling Block</u>	<u>Acres</u>
San Juan 29-4#2	1/2 Section 35	320.00

15 January 1954

This well is located in the SW/4 of this section. It was completed on October 22, 1953, at a total depth of 4,100'. On a three-hour blow test this well gauged an IP of 6,928 MCFGPD with an SIPC of 1,092#, and an SIPT of 1,091#.

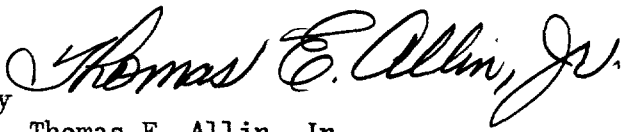
Attached hereto is our Schedule I legally describing the proposed participating area showing the percentage of unitized substances to be allocated to this unitized tract and also showing the exact breakdown of the percentages so allocated to this tract according to the various ownerships in said tract. We are also attaching a map, Exhibit "A", showing the location of this well and the outline of this Initial Participating Area.

If this Initial Participating Area meets with your approval, please indicate such approval in the space provided on said Schedule I and return an approved copy for our files.

Copies of this letter are being sent to all working interest owners, as indicated on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Thomas E. Allin, Jr.
Lease Department

TEAJr:je
cc: Attached List
encls.

Re: San Juan 29-4 Unit

Copies of the foregoing letter have been sent to the following
Working Interest Owners:

Mr. R. N. Richey
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. Roger R. Owings
1220 Fair Building
Fort Worth 2, Texas

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Bldg.
Fort Worth, Texas

Mr. G. B. Jenkinson
Stanolind Oil and Gas Company
Box 591
Tulsa 2, Oklahoma

Mr. W. H. Sparks
General American Oil Company of Texas
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
134 South Capitol
Santa Fe, New Mexico

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

Mr. James A. Brown
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn G. Brown
14 Axtell Drive
Scarsdale, New York

Mr. James A. Brown, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

Mrs. Evelyn Ellen Wallace, Co-Trustee
for Evelyn Ellen Wallace
14 Axtell Drive
Scarsdale, New York

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
SAN JUAN 29-4 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND</u>		<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
				<u>PERCENTAGE</u>		
<u>Tract 10</u>						
SF 079761	Sec. 35: W/2	320.00				<u>100.00%</u>
	Royalty Owner:					
	United States of America;		12.50%	12.50%		12.50%
	Working Interest Owner:					
	El Paso Natural Gas Co.;		82.50%	82.50%		82.50%
	ORRI Owner:					
	Robert Critchfield, et al		<u>5.00%</u>	<u>5.00%</u>		<u>5.00%</u>
	TOTAL		<u>100.00%</u>	<u>100.00%</u>		<u>100.00%</u>

San Juan 29-4#2 Well

RECAPITULATION

Description of lands in Participating Area:
 Township 29 North, Range 4 West, N.M.P.M.
 Section 35: W/2

Total number of acres in Participating Area:
 Percent of Working Interest and Royalty Interest
 committed:

320.00
 100.00%

Approved: _____ 1954

Approved: _____ 1954

Approved: 22 Jan. 1954

Subject to like approval by the appropriate State Officials, effective Date of First Production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Subject to like approval by the United States Geological Survey and Oil Conservation Commission of the State of New Mexico, effective Date of First Production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico, effective Date of First Production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Director - United States Geological Survey

Commissioner of Public Lands of the State of New Mexico

R. R. Anderson
 Oil Conservation Commission of the State of New Mexico