

BURLINGTON RESOURCES

SAN JUAN DIVISION

September 10, 2003

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

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

RE: San Juan 28-4 Unit (#14-08-001-933)
Commercial Determinations
Dakota Formation
Rio Arriba County, New Mexico

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved, July 24, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the well listed below is not capable of producing unitized substances in paying quantities from the Dakota Formation. Burlington is seeking confirmation of the paying well determination enclosed.

<u>BR's</u> <u>AIN #</u>	<u>Well Name</u> <u>& Number</u>	<u>Well</u> <u>Dedication</u>	<u>Dedicated</u> <u>Lease</u>	<u>Completion</u> <u>Date</u>	<u>Commerciality</u> <u>Determination</u>
3637002	San Juan 28-4 Unit #27A	S/2 Sec 19-28N-4W	NM-03862	10/30/02	Non-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 well will be carried as non-commercial on a lease basis.

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 Lmx
Marian L. Wimsatt, CPLTA, CPL
Land Analyst

MLW:ll
San Juan 28-4 Unit, 4.3
cc: Linda Dean

WORKING INTEREST OWNERS SAN JUAN 28-4 UNIT

XTO ENERGY INC

WILLIAMS PRODUCTION COMPANY

TIMOTHY D MCCOY

ROBERT CRITCHFIELD

PEAK ENERGY RESOURCES INC

CONOCOPHILLIPS COMPANY

BURLINGTON RESOURCES O&G CO LP

ANADARKO E & P COMPANY LP

BURLINGTON RESOURCES

COMMERCIALITY DETERMINATION

BLM DATA SHEET

SAN JUAN 28-4 UNIT 27A

WELL INFORMATION

LEASE SAN JUAN 28-4 UNIT 27A
 LOCATION 19028N004WP
 COUNTY, STATE RIO ARriba, NEW MEXICO
 FORMATION DAKOTA
 PROJECT TYPE NEWDRILL
 WELL TYPE GAS WELL
 OPERATOR BURLINGTON RESOURCES O&G CO LP
 SPUD DATE 10/3/2002
 COMP DATE 10/30/2002
 1ST DELIVERY 11/8/2002
 COMM GWI % 100.00
 COMM NRI % 87.50
 BOARD RATE % 8.00

PRODUCTION TAXES

TAXES FOR: RIO ARriba, NEW MEXICO
 2001-2002 Commerciality

GAS % OF REVENUE

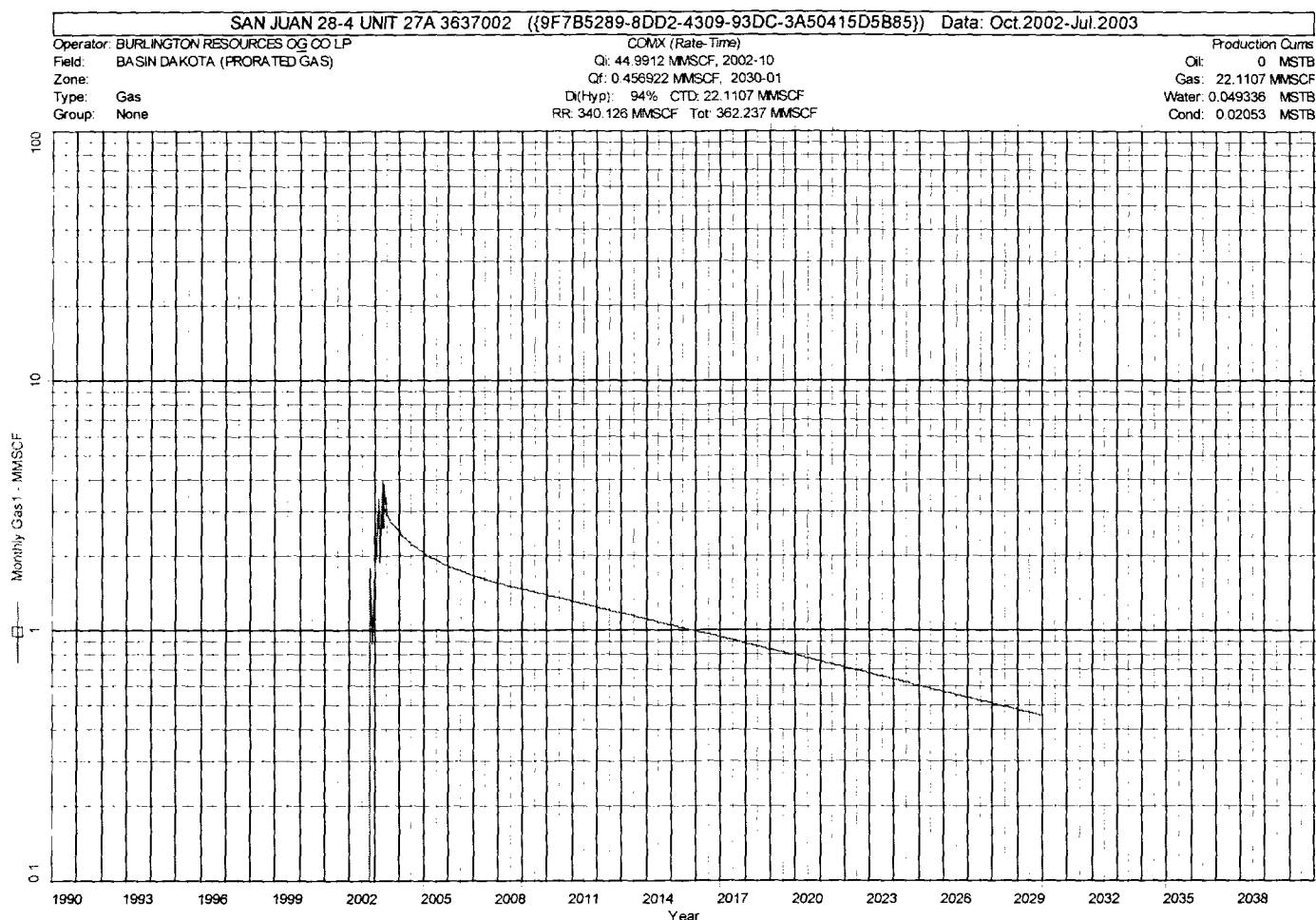
SEVERANCE:
 Severance, School, Conservation 7.93
 AD VALOREM:
 Production, Equipment 1.40
 TOTAL %: 9.33

AVERAGE HEAT CONTENT

1,000 MMBtu / Mcf

WELL COST AND ECONOMICS

550.00 M\$ AVERAGE WELL COST
 360.46 MMCF ULT. GROSS GAS RESERVES
 28.53 MCFD INITIAL GAS RATE
 4.01 % RATE OF RETURN
 -0.23 \$/\$ P/I, DISC. @ 8.00 %
 -124.54 M\$ NET PRESENT VALUE, DISC. @ 8.00 %
 13.64 YRS PAYOUT



BURLINGTON RESOURCES
COMMERCIALITY DETERMINATION
BLM DATA SHEET
SAN JUAN 28-4 UNIT 27A

CASH FLOW SUMMARY

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
2002(12)	28.5	0.9	0.6	2.21	2.21	1.41	0.15	0.25	1.36	550.00	-548.64
2003(12)	89.9	32.8	23.7	3.00	3.00	70.96	7.48	3.00	73.29	0.00	73.29
2004(12)	73.9	27.0	19.5	3.00	3.00	58.51	6.16	3.00	59.91	0.00	59.91
2005(12)	63.5	23.2	16.7	3.00	3.00	50.14	5.28	3.00	50.91	0.00	50.91
2006(12)	57.2	20.9	15.1	3.00	3.00	45.16	4.76	3.00	45.56	0.00	45.56
2007(12)	52.8	19.3	13.9	3.00	3.00	41.72	4.40	3.00	41.86	0.00	41.86
2008(12)	49.4	18.1	13.0	3.00	3.00	39.13	4.12	3.00	39.08	0.00	39.08
2009(12)	46.9	17.1	12.3	3.00	3.00	37.00	3.90	3.00	36.78	0.00	36.78
2010(12)	44.3	16.2	11.7	3.00	3.00	35.00	3.69	3.00	34.63	0.00	34.63
2011(12)	41.9	15.3	11.0	3.00	3.00	33.11	3.49	3.00	32.60	0.00	32.60
2012(12)	39.6	14.5	10.4	3.00	3.00	31.33	3.30	3.00	30.68	0.00	30.68
2013(12)	37.5	13.7	9.9	3.00	3.00	29.64	3.12	3.00	28.86	0.00	28.86
2014(12)	35.5	13.0	9.3	3.00	3.00	28.04	2.95	3.00	27.15	0.00	27.15
2015(12)	33.6	12.3	8.8	3.00	3.00	26.53	2.79	3.00	25.52	0.00	25.52
2016(12)	31.7	11.6	8.4	3.00	3.00	25.09	2.64	3.00	23.98	0.00	23.98
2017(12)	30.1	11.0	7.9	3.00	3.00	23.74	2.50	3.00	22.53	0.00	22.53
2018(12)	28.4	10.4	7.5	3.00	3.00	22.46	2.37	3.00	21.15	0.00	21.15
2019(12)	26.9	9.8	7.1	3.00	3.00	21.25	2.24	3.00	19.85	0.00	19.85
2020(12)	25.4	9.3	6.7	3.00	3.00	20.10	2.12	3.00	18.61	0.00	18.61
2021(12)	24.1	8.8	6.3	3.00	3.00	19.02	2.00	3.00	17.45	0.00	17.45
Sub.	---	305.1	219.9	---	---	659.33	69.47	57.25	651.74	550.00	101.74
Rem.	---	55.4	39.9	---	---	119.84	12.63	24.25	104.60	0.00	104.60
Total	---	360.5	259.9	---	---	779.17	82.09	81.50	756.35	550.00	206.34

BURLINGTON RESOURCES

SAN JUAN DIVISION

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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 28-4 UNIT 14-08-001-933
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	007	01-Dec-73
MESAVERDE	012	01-Nov-61
PICTURED CLIFFS	001	01-Dec-55

The 2002 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-4 UNIT 27A	DAKOTA	NewDrill - Commingle	S2 19-028N-004W	Completed
SAN JUAN 28-4 UNIT 27A	MESAVERDE	NewDrill - Commingle	S2 19-028N-004W	Completed

Pursuant to Section 10 of the SAN JUAN 28-4 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits no wells for the 2003 Plan of Development.

San Juan 28-4 Unit
2003 Plan of Development
February 21, 2003

The following is a well listing for wells in SAN JUAN 28-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-4 UNIT 17R	PICTURED CLIFFS	N2 020-028N-004W	P&A	Commingle
SAN JUAN 28-4 UNIT 17R	FRUITLAND COAL	N2 020-028N-004W	P&A	Commingle
SAN JUAN 28-4 UNIT 201	PICTURED CLIFFS	N2 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 201	FRUITLAND COAL	N2 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 27A	MESAVERDE	S2 019-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 27A	DAKOTA	S2 019-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	MESAVERDE	S2 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	DAKOTA	E2 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	DAKOTA	W2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	MESAVERDE	N2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	MESAVERDE	S2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	DAKOTA	E2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	DAKOTA	S2 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	MESAVERDE	S2 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	DAKOTA	W2 029-028N-004W	Shut-in	Commingle
SAN JUAN 28-4 UNIT 36	MESAVERDE	S2 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	FRUITLAND COAL	S2 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	PICTURED CLIFFS	S2 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	FRUITLAND COAL	S2 017-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	PICTURED CLIFFS	S2 017-028N-004W	Active	Commingle
				Commingle 20 Count
SAN JUAN 28-4 UNIT 1	MESAVERDE	N2 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 11	MESAVERDE	N2 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 12	MESAVERDE	S2 033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 13	MESAVERDE	S2 020-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 14	MESAVERDE	N2 029-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 15	MESAVERDE	S2 029-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 16	MESAVERDE	N2 030-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 17	MESAVERDE	N2 020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 18	MESAVERDE	S2 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 1A	MESAVERDE	N2 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 2	MESAVERDE	S2 017-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 20	MESAVERDE	S2 030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 21	MESAVERDE	S2 007-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 26	MESAVERDE	S2 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 27	MESAVERDE	S2 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 28	MESAVERDE	N2 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 29	DAKOTA	W2 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 3	PICTURED CLIFFS	S2 014-028N-004W	P&A	Single

San Juan 28-4 Unit
2003 Plan of Development
February 21, 2003

SAN JUAN 28-4 UNIT 30	DAKOTA	E2	031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 31	DAKOTA	W2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 32	DAKOTA	E2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 33	DAKOTA	W2	033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 34	DAKOTA	W2	030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 35B	MESAVERDE	S2	033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 37	DAKOTA	E2	029-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 4	MESAVERDE	S2	026-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 5	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 5B	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 5C	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 6	PICTURED CLIFFS	S2	011-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 7	PICTURED CLIFFS	S2	012-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 8	MESAVERDE	S2	036-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 9	MESAVERDE	S2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT NP 17	FRUITLAND COAL	N2	020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT NP 202	FRUITLAND COAL	S2	018-028N-004W	Shut-in	Single
				Single	35
				Count	
				Grand	55
				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

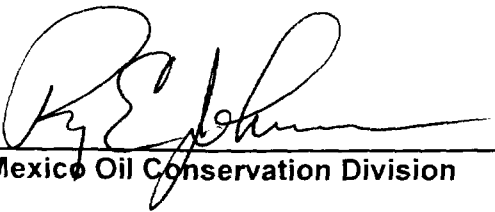
San Juan 28-4 Unit, 3.0 (2003)

San Juan 28-4 Unit
2003 Plan of Development
February 21, 2003

**SAN JUAN 28-4 UNIT
2003 PLAN OF DEVELOPMENT
APPROVALS**

Bureau of Land Management

Date



New Mexico Oil Conservation Division

3/5/03
Date

AO Wells-Active 3 FRUITLAND COAL PICTURED CLIFFS MESAVERDE DAKOTA San Juan 28-4 Unit



BURLINGTON RESOURCES
San Juan Division

San Juan 28-4 Unit
Rio Arriba Co., NM

Transverse Mercator
UTM - 1927, Zone 13

158097

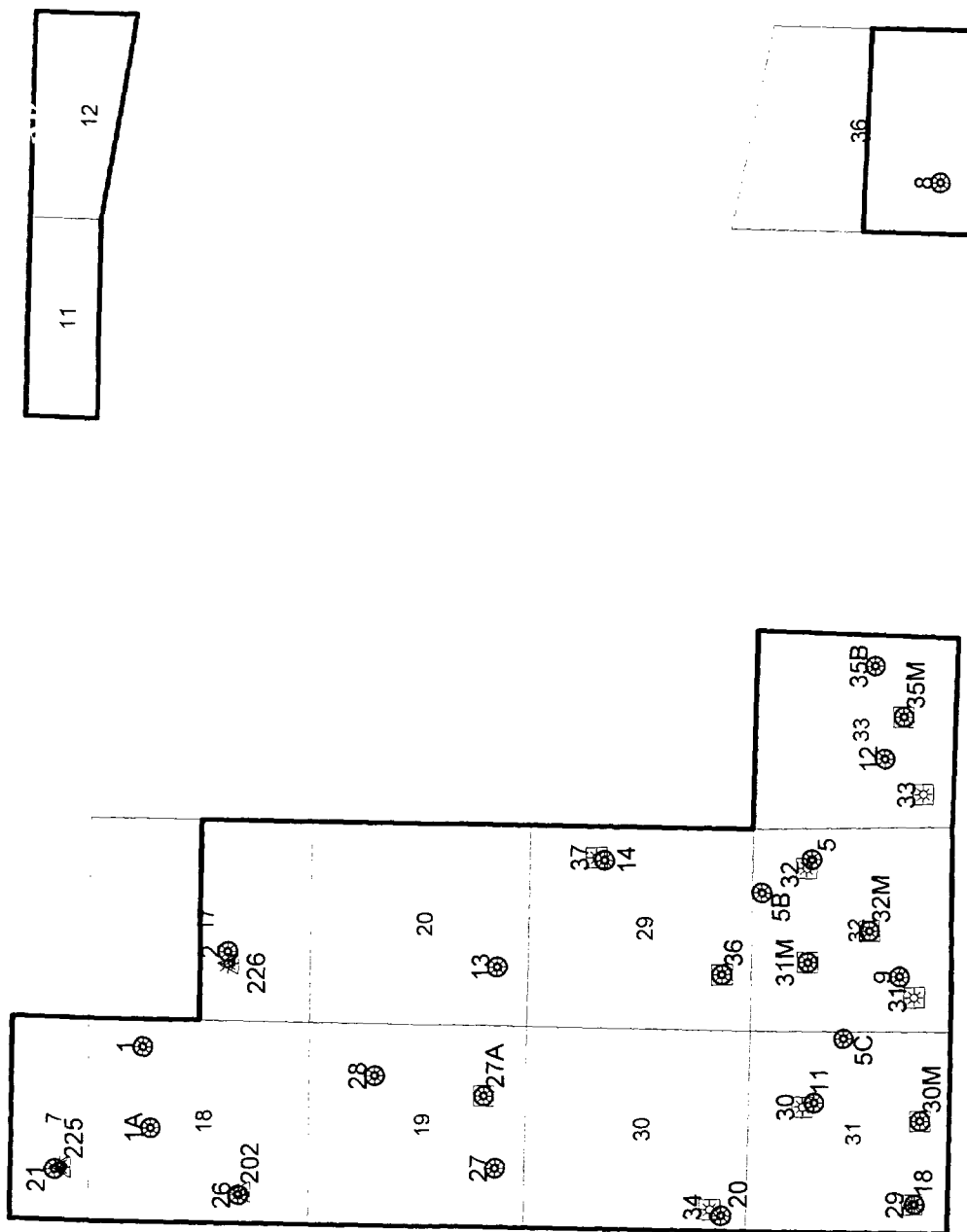
Prepared By: Cheryl Groth

Date: 02/25/2003

File No: <Please enter file number>

Revised: <Revision date>

File Name: s:\plattpr files\units br operated apr



WORKING INTEREST OWNERS SAN JUAN 28-4 UNIT

XTO ENERGY INC

WILLIAMS PRODUCTION COMPANY

UNION PACIFIC RESOUR

TIMOTHY D MCCOY

ROBERT CRITCHFIELD

MERCHANT RESOURCES #1 LP

CONOCOPHILLIPS COMPANY

BURLINGTON RESOURCES O&G CO LP

BURLINGTON RESOURCES

SAN JUAN DIVISION

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 28-4 UNIT 14-08-001-933
RIO ARriba COUNTY, NEW MEXICO

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	007	01-Dec-73
MESAVERDE	012	01-Nov-61
PICTURED CLIFFS	001	01-Dec-55

The 2001 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-4 Unit 20A	MESAVERDE	Newdrill-Commingle	S2 30-028N-004W	Cancelled
SAN JUAN 28-4 Unit 20A	DAKOTA	Newdrill-Commingle	S2 30-028N-004W	Cancelled
SAN JUAN 28-4 UNIT 27A	MESAVERDE	Newdrill-Commingle	S2 19-028N-004W	Carryover
SAN JUAN 28-4 UNIT 27A	DAKOTA	Newdrill-Commingle	S2 19-028N-004W	Carryover
SAN JUAN 28-4 UNIT 29M	MESAVERDE	Newdrill-Commingle	N2 31-028N-004W	Cancelled
SAN JUAN 28-4 UNIT 29M	DAKOTA	Newdrill-Commingle	W2 31-028N-004W	Cancelled
SAN JUAN 28-4 UNIT 34M	MESAVERDE	Newdrill-Commingle	N2 30-028N-004W	Cancelled
SAN JUAN 28-4 UNIT 34M	DAKOTA	Newdrill-Commingle	W2 30-028N-004W	Cancelled

Pursuant to Section 10 of the SAN JUAN 28-4 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits the 2002 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-4 UNIT 27A	MESAVERDE	NewDrill - Commingle	S2 19-028N-004W
SAN JUAN 28-4 UNIT 27A	DAKOTA	NewDrill - Commingle	S2 19-028N-004W

The following is a well listing for wells in SAN JUAN 28-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-4 UNIT 17R	PICTURED CLIFFS	N2 020-028N-004W	P&A	Commingle
SAN JUAN 28-4 UNIT 17R	FRUITLAND COAL	N2 020-028N-004W	P&A	Commingle
SAN JUAN 28-4 UNIT 201	PICTURED CLIFFS	N2 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 201	FRUITLAND COAL	N2 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	MESAVERDE	S2 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	DAKOTA	E2 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	DAKOTA	W2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	MESAVERDE	N2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	MESAVERDE	S2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	DAKOTA	E2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	DAKOTA	S2 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	MESAVERDE	S2 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	DAKOTA	W2 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	MESAVERDE	S2 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	FRUITLAND COAL	S2 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	PICTURED CLIFFS	S2 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	FRUITLAND COAL	S2 017-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	PICTURED CLIFFS	S2 017-028N-004W	Active	Commingle
			Commingle Count	18
SAN JUAN 28-4 UNIT 1	MESAVERDE	N2 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 11	MESAVERDE	N2 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 12	MESAVERDE	S2 033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 13	MESAVERDE	S2 020-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 14	MESAVERDE	N2 029-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 15	MESAVERDE	S2 029-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 16	MESAVERDE	N2 030-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 17	MESAVERDE	N2 020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 18	MESAVERDE	S2 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 1A	MESAVERDE	N2 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 2	MESAVERDE	S2 017-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 20	MESAVERDE	S2 030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 21	MESAVERDE	S2 007-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 26	MESAVERDE	S2 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 27	MESAVERDE	S2 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 28	MESAVERDE	N2 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 29	DAKOTA	W2 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 3	PICTURED CLIFFS	S2 014-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 30	DAKOTA	E2 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 31	DAKOTA	W2 032-028N-004W	Active	Single

SAN JUAN 28-4 UNIT 32	DAKOTA	E2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 33	DAKOTA	W2	033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 34	DAKOTA	W2	030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 35B	MESAVERDE	S2	033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 37	DAKOTA	E2	029-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 4	MESAVERDE	S2	026-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 5	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 5B	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 5C	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 6	PICTURED CLIFFS	S2	011-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 7	PICTURED CLIFFS	S2	012-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 8	MESAVERDE	S2	036-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 9	MESAVERDE	S2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT NP 17	FRUITLAND COAL	N2	020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT NP 202	FRUITLAND COAL	S2	018-028N-004W	Shut-in	Single
					Single Count 35
					Grand Count 53

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.

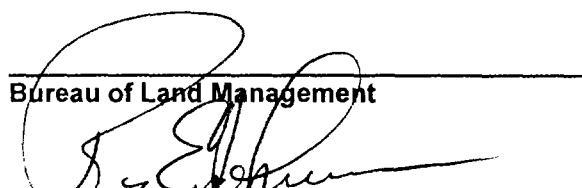
Please contact Ben Malone at (505) 326-9848 if there are any questions regarding this letter.

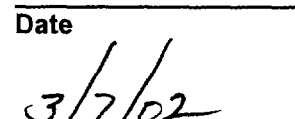
Yours very truly,


John F. Zent
Compliance Manager

San Juan 28-4 Unit, 3.0 (2002)

**SAN JUAN 28-4 UNIT
2002 PLAN OF DEVELOPMENT**


Bureau of Land Management
New Mexico Oil Conservation Division

Date

Date 3/7/02

San Juan 28-4 Unit
2002 Plan of Development
2/27/2002

New Mexico Commissioner of Public Lands

Date

BURLINGTON RESOURCES

SAN JUAN DIVISION

551
August 15, 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: First Amendment
2001 Plan of Development
SAN JUAN 28-4 UNIT 14-08-001-933
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

By letter, dated February 21, 2001, the 2001 Plan of Development for the referenced unit was submitted for your approval. Subsequently it has been determined the following wells should be included:

Well Name	Formation	Type	Dedication
San Juan 28-4 Unit 20A	Mesaverde	New Drill-Commingle	S/2 30-028N-004W
San Juan 28-4 Unit 20A	Dakota	New Drill-Commingle	E/2 30-028N-004W
San Juan 28-4 Unit 29M	Mesaverde	New Drill-Commingle	N/2 31-028N-004W
San Juan 28-4 Unit 29M	Dakota	New Drill-Commingle	W/2 31-028N-004W
San Juan 28-4 Unit 34M	Mesaverde	New Drill-Commingle	N/2 30-028N-004W
San Juan 28-4 Unit 34M	Dakota	New Drill-Commingle	W/2 30-028N-004W

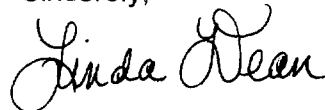
The working interest owners are being furnished a copy of this letter. Burlington Resources Oil & Gas Company LP, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

San Juan 28-4 Unit
First Amendment
2001 Plan of Development
August 15, 2001
Page 2

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

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

Sincerely,



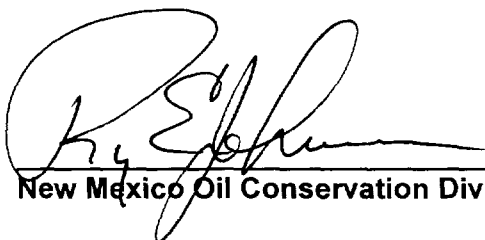
Linda Dean
Land Advisor
ldean@br-inc.com

San Juan 28-4 Unit, 3.0 (2001)

**SAN JUAN 28-4 UNIT
FIRST AMENDMENT
2001 PLAN OF DEVELOPMENT**

Bureau of Land Management

Date



New Mexico Oil Conservation Division

8/21/01

Date

WORKING INTEREST OWNERS SAN JUAN 28-4 UNIT

XTO ENERGY INC

WILLIAMS PRODUCTION COMPANY

UNION PACIFIC RESOUR

TIMOTHY D MCCOY

ROBERT CRITCHFIELD

PHILLIPS PETROLEUM

MERCHANT RESOURCES #1 LP

BURLINGTON RESOURCES O&G CO LP

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 21, 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 28-4 UNIT 14-08-001-933
RIO ARriba COUNTY, NEW MEXICO

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	007	01-Dec-73
MESAVERDE	012	01-Nov-61
PICTURED CLIFFS	001	01-Dec-55

The 2000 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-4 UNIT 1A	MESAVERDE	New Drill - Single	N2 18-028N-004W	Completed
SAN JUAN 28-4 UNIT 20A	MESAVERDE	New Drill - Single	S2 30-028N-004W	Cancelled
SAN JUAN 28-4 UNIT 28A	MESAVERDE	New Drill - Single	N2 19-028N-004W	Carryover
SAN JUAN 28-4 UNIT 35B	MESAVERDE	New Drill - Single	S2 33-028N-004W	Carryover
SAN JUAN 28-4 UNIT 5B	MESAVERDE	New Drill - Single	N2 32-028N-004W	Completed
SAN JUAN 28-4 UNIT 5C	MESAVERDE	New Drill - Single	N2 32-028N-004W	Completed

San Juan 28-4 Unit
2001 Plan of Development
February 21, 2001

Pursuant to Section 10 of the SAN JUAN 28-4 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits the 2001 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-4 UNIT 9B	MESAVERDE	NewDrill - Single	S2 32-028N-004W
SAN JUAN 28-4 UNIT 28A	MESAVERDE	New Drill - Single	N2 19-028N-004W
SAN JUAN 28-4 UNIT 35B	MESAVERDE	New Drill - Single	S2 33-028N-004W

The following is a well listing for wells in SAN JUAN 28-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-4 UNIT 17R	PICTURED CLIFFS	N2 020-028N-004W	P&A	Commingle
SAN JUAN 28-4 UNIT 17R	FRUITLAND	N2 020-028N-004W	P&A	Commingle
SAN JUAN 28-4 UNIT 201	PICTURED CLIFFS	N2 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 201	FRUITLAND	N2 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	MESAVERDE	S2 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	DAKOTA	E2 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	DAKOTA	W2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	MESAVERDE	N2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	MESAVERDE	S2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	DAKOTA	E2 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	DAKOTA	S2 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	MESAVERDE	S2 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	DAKOTA	W2 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	MESAVERDE	S2 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	FRUITLAND	S2 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	PICTURED CLIFFS	S2 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	FRUITLAND	S2 017-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	PICTURED CLIFFS	S2 017-028N-004W	Active	Commingle
Commingle Count				18
SAN JUAN 28-4 UNIT 1	MESAVERDE	N2 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 11	MESAVERDE	N2 031-028N-004W	Active	Single

San Juan 28-4 Unit
2001 Plan of Development
February 21, 2001

SAN JUAN 28-4 UNIT 12	MESAVERDE	S2	033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 13	MESAVERDE	S2	020-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 14	MESAVERDE	N2	029-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 15	MESAVERDE	S2	029-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 16	MESAVERDE	N2	030-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 17	MESAVERDE	N2	020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 18	MESAVERDE	S2	031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 1A	MESAVERDE	N2	018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 2	MESAVERDE	S2	017-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 20	MESAVERDE	S2	030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 21	MESAVERDE	S2	007-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 26	MESAVERDE	S2	018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 27	MESAVERDE	S2	019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 28	MESAVERDE	N2	019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 29	DAKOTA	W2	031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 3	PICTURED CLIFFS	S2	014-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 30	DAKOTA	E2	031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 31	DAKOTA	W2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 32	DAKOTA	E2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 33	DAKOTA	W2	033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 34	DAKOTA	W2	030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 37	DAKOTA	E2	029-028N-004W	Shut-in	Single
SAN JUAN 28-4 UNIT 4	MESAVERDE	S2	026-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 5	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 5B	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 5C	MESAVERDE	N2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 6	PICTURED CLIFFS	S2	011-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 7	PICTURED CLIFFS	S2	012-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 8	MESAVERDE	S2	036-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 9	MESAVERDE	S2	032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT NP 17	FRUITLAND COAL	N2	020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT NP 202	FRUITLAND COAL	S2	018-028N-004W	Active	Single
Single Count					34
Grand Count					52

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.

San Juan 28-4 Unit
2001 Plan of Development
February 21, 2001

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,

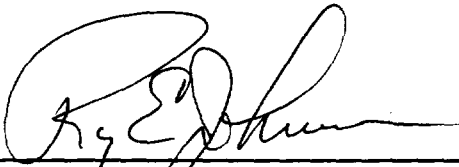


Linda Dean
Land Advisor

San Juan 28-4 Unit, 3.0 (2001)

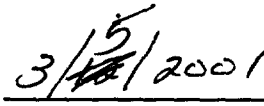
**SAN JUAN 28-4 UNIT
2001 PLAN OF DEVELOPMENT**

Bureau of Land Management



New Mexico Oil Conservation Division

Date



Date

WORKING INTEREST OWNERS SAN JUAN 28-4 UNIT

WILLIAMS PRODUCTION COMPANY
UNION PACIFIC RESOUR
TIMOTHY D MCCOY
ROBERT CRITCHFIELD
PHILLIPS PETROLEUM
MERCHANT RESOURCES #1 LP
CROSS TIMBERS OIL COMPANY
BURLINGTON RESOURCES OIL &
GAS CO LP

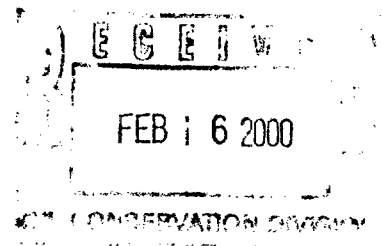
BURLINGTON RESOURCES

SAN JUAN DIVISION

February 11, 2000

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: 2000 Plan of Development
SAN JUAN 28-4 UNIT 14-08-001-933
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	007	01-Dec-73
MESAVERDE	012	01-Nov-61
PICTURED CLIFFS	001	01-Dec-55

The 1999 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-4 UNIT 32M	MESAVERDE	NewDrill - Commingle	S 32-028N-004W	Completed
SAN JUAN 28-4 UNIT 32M	DAKOTA	NewDrill - Commingle	E 32-028N-004W	Completed

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 28-4 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 2000 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-4 UNIT 1A	MESAVERDE	NewDrill - Single	N 18-028N-004W
SAN JUAN 28-4 UNIT 20A	MESAVERDE	NewDrill - Single	S 30-028N-004W
SAN JUAN 28-4 UNIT 28A	MESAVERDE	NewDrill - Single	N 19-028N-004W
SAN JUAN 28-4 UNIT 35B	MESAVERDE	NewDrill - Single	S 33-028N-004W
SAN JUAN 28-4 UNIT 5B	MESAVERDE	NewDrill - Single	N 32-028N-004W
SAN JUAN 28-4 UNIT 5C	MESAVERDE	NewDrill - Single	N 32-028N-004W
SAN JUAN 28-4 UNIT 17R	FRUITLAND COAL	P&A	N 20-028N-004W
SAN JUAN 28-4 UNIT 17R	PICTURED CLIFFS	P&A	N 20-028N-004W

The following is a well listing for wells in SAN JUAN 28-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-4 UNIT 17R	PICTURED CLIFFS	N 020-028N-004W	Shut-in	Commingle
SAN JUAN 28-4 UNIT 17R	FRUITLAND COAL	N 020-028N-004W	Shut-in	Commingle
SAN JUAN 28-4 UNIT 201	PICTURED CLIFFS	N 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 201	FRUITLAND COAL	N 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	MESAVERDE	S 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	DAKOTA	E 031-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	DAKOTA	W 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	MESAVERDE	N 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	MESAVERDE	S 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 32M	DAKOTA	E 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	DAKOTA	S 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	MESAVERDE	S 033-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	DAKOTA	W 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	MESAVERDE	S 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	FRUITLAND COAL	S 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	PICTURED CLIFFS	S 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	FRUITLAND COAL	S 017-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	PICTURED CLIFFS	S 017-028N-004W	Active	Commingle
			Commingle Count	18
SAN JUAN 28-4 UNIT 1	MESAVERDE	N 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 11	MESAVERDE	N 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 12	MESAVERDE	S 033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 13	MESAVERDE	S 020-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 14	MESAVERDE	N 029-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 15	MESAVERDE	S 029-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 16	MESAVERDE	N 030-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 17	MESAVERDE	N 020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 18	MESAVERDE	S 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 2	MESAVERDE	S 017-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 20	MESAVERDE	S 030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 21	MESAVERDE	S 007-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 26	MESAVERDE	S 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 27	MESAVERDE	S 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 28	MESAVERDE	N 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 29	DAKOTA	W 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 3	PICTURED CLIFFS	S 014-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 30	DAKOTA	E 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 31	DAKOTA	W 032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 32	DAKOTA	E 032-028N-004W	Active	Single

SAN JUAN 28-4 UNIT 33	DAKOTA	W 033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 34	DAKOTA	E 030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 37	DAKOTA	E 029-028N-004W	Shut-in	Single
SAN JUAN 28-4 UNIT 5	MESAVERDE	N 032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 6	PICTURED CLIFFS	S 011-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 7	PICTURED CLIFFS	S 012-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 8	MESAVERDE	S 036-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 9	MESAVERDE	S 032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT NP 17	FRUITLAND COAL	N 020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT NP 202	FRUITLAND COAL	S 018-028N-004W	Active	Single

Single
Count 30
Grand
Count 48

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) 599-4010 if there are any questions regarding this letter.

Yours very truly,

Shannon Nichols

Shannon Nichols
Petroleum Landman

**SAN JUAN 28-4 UNIT
2000 PLAN OF DEVELOPMENT**

Bureau of Land Management

R. E. Johnson
New Mexico Oil Conservation Division

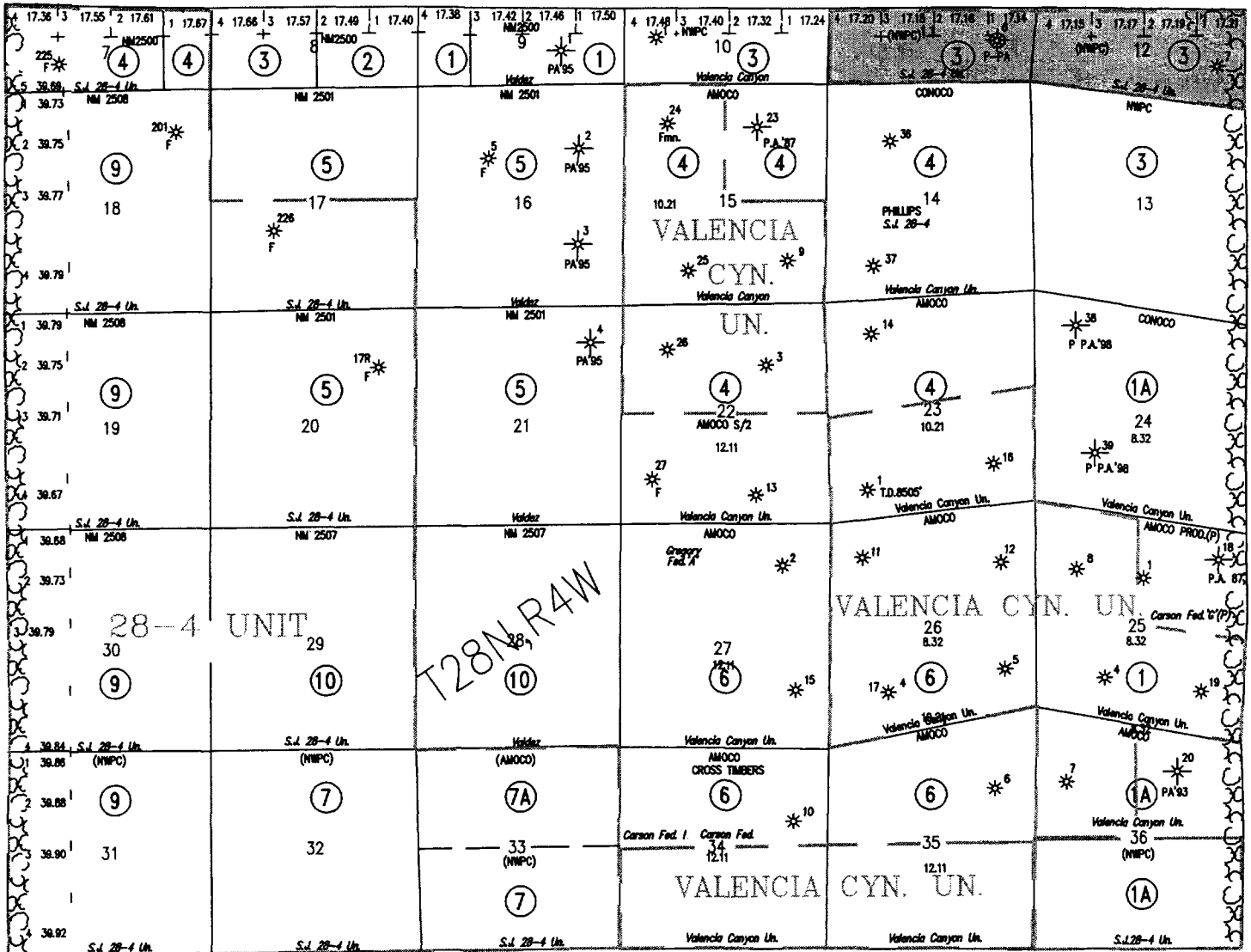
Date

2/21/00
Date

New Mexico Commissioner of Public Lands







Date

R4W



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28
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SAN JUAN 28-4 UNIT

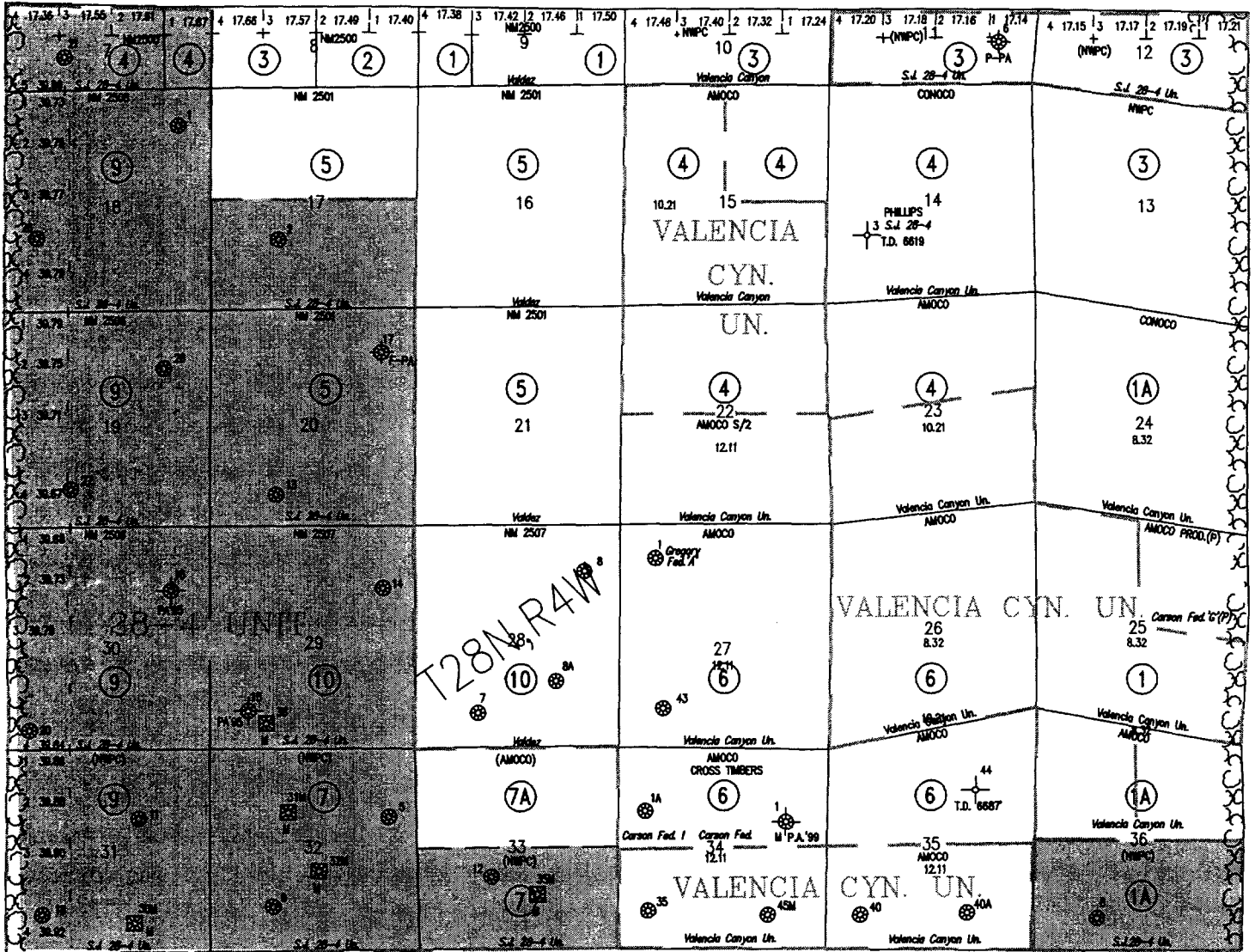
-  FRUITLAND
 PICTURED CLIFFS
 MESAVERT
 DAKOTA
-  PICTURED CLIFFS PARTICIPATING AREA
 1st Expansion Effective 12/1/55
 OIL AND GAS OWNED BY
 STATE OF NEW MEXICO

**BURLINGTON
RESOURCES**

ILLEGIBLE







LAND DEPARTMENT
June 23, 1999

R4W



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28
N

SAN JUAN 28-4 UNIT

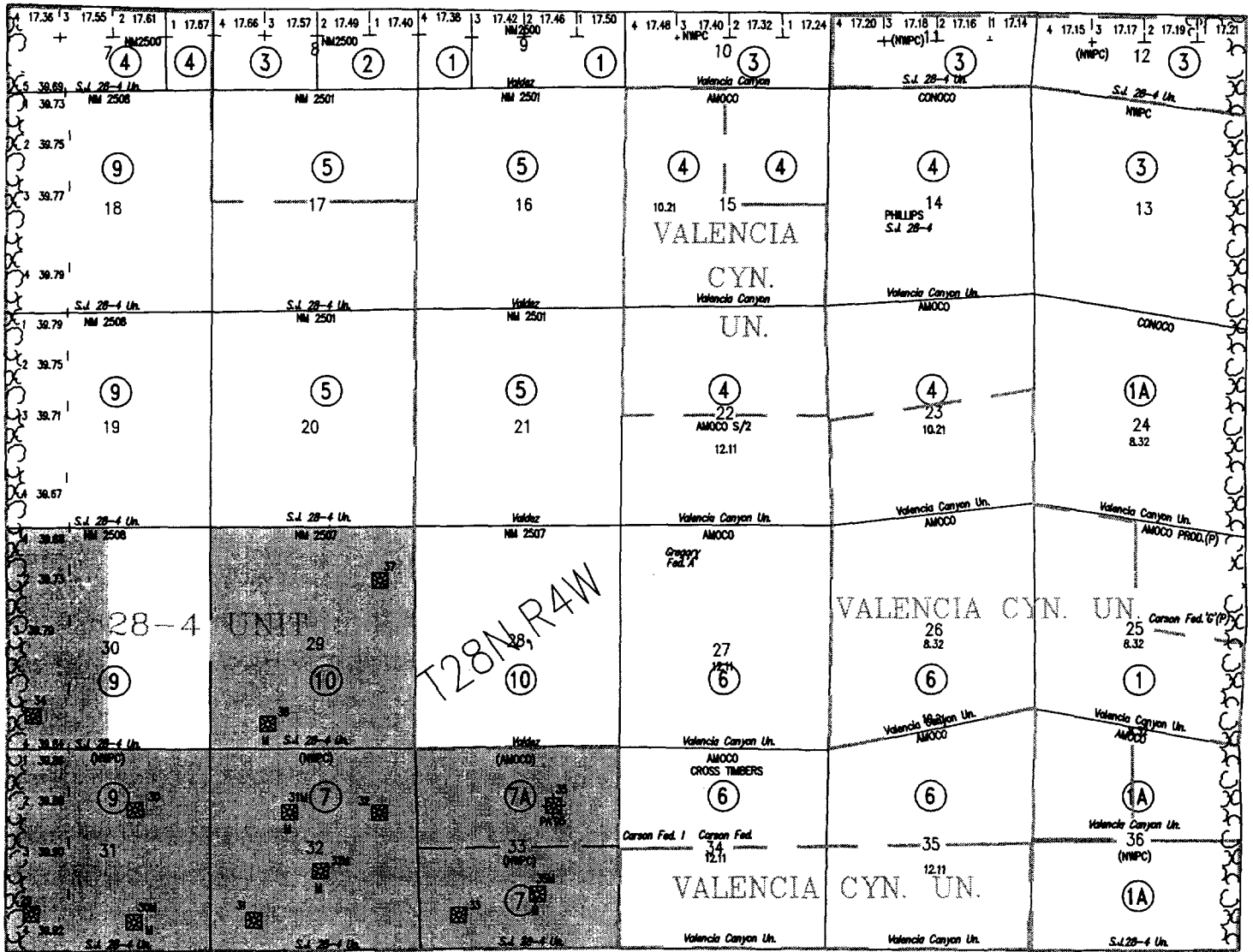
- | | | | |
|---|-----------------|---|----------------------------------|
|  | FRUITLAND |  | MESAVERDE PARTICIPATING AREA |
|  | PICTURED CLIFFS | | 12th Expansion Effective 11/1/61 |
|  | MESAVERDE |  | OIL AND GAS OWNED BY |
|  | DAKOTA | | STATE OF NEW MEXICO |

**BURLINGTON
RESOURCES**

ILLEGIBLE

LAND DEPARTMENT
June 23, 1999

R4W



SAN JUAN 28-4 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- DAKOTA PARTICIPATING AREA
7th Expansion Effective 12/1/73
- OIL AND GAS OWNED BY
STATE OF NEW MEXICO

BURLINGTON
RESOURCES

ILLEGIBLE

LAND DEPARTMENT
June 23, 1999

551

OIL CONSERVATION DIVISION
RECEIVED

OCT 20 1993

San Juan 28-4 Unit (NC)
Fruitland Coal PA
3180 (07327)

OCT. 20 1993

Mr. Kent Beers
Meridian Oil Incorporated
P. O. Box 4289
Farmington, NM 87499-4289

Dear Mr. Beers:

Meridian Oil submitted the following wells for non-paying determination and exclusion from the Fruitland Coal Participating Area in the San Juan 28-4 unit:

No. 17 San Juan 28-4 Unit

Completed 8/15/89

N $\frac{1}{2}$ Sec. 20, T. 28 N., R. 4 W. Tract 5 (320 acres) SF-079729

No. 202 San Juan 28-4 Unit

Completed 10/3/89

Lots 3 and 4, Sec. 18, T. 28 N., R. 4 W. Tract 9 (319.56 acres) NM-03862
E $\frac{1}{2}$ SW $\frac{1}{4}$,
SE $\frac{1}{4}$

We have evaluated productive history from the wells submitted and concur with your non-commercial determination. Please continue to report production under the lease number.

If you have any questions, please contact Ray Hager at (505) 599-6366.

Sincerely,

/s/ Duane Spencer

Duane W. Spencer
Chief, Branch of Reservoir Management

1 Enclosures
1 - Original Application

cc:
See Attached

Minerals Management Service w/enclosure
Royalty Management Program
Reference Data Branch
P. O. Box 5760 - (MS-3240)
Denver, CO 80217

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

New Mexico Oil Conservation Division ✓
310 Old Santa Fe Trail, Room 206
Santa Fe, NM 87503

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 26, 1999

551

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: 1999 Plan of Development
SAN JUAN 28-4 UNIT 14-08-001-933
RIO ARriba COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	007	01-Dec-73
MESAVERDE	012	01-Nov-61
PICTURED CLIFFS	001	01-Dec-55

The 1998 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-4 UNIT 29M *	DAKOTA	NewDrill - Commingle	N/2 31-028N-004W	Cancelled
SAN JUAN 28-4 UNIT 29M *	DAKOTA	NewDrill - Commingle	W/2 31-028N-004W	Cancelled
SAN JUAN 28-4 UNIT 30M	DAKOTA	NewDrill - Commingle	E/2 31-028N-004W	Completed
SAN JUAN 28-4 UNIT 30M	MESAVERDE	NewDrill - Commingle	S/2 31-028N-004W	Completed
SAN JUAN 28-4 UNIT 31M	MESAVERDE	NewDrill - Commingle	N/2 32-028N-004W	Completed
SAN JUAN 28-4 UNIT 31M	DAKOTA	NewDrill - Commingle	W/2 32-028N-004W	Completed
SAN JUAN 28-4 UNIT 32M	DAKOTA	NewDrill - Commingle	S/2 32-028N-004W	1999 POD
SAN JUAN 28-4 UNIT 32M	DAKOTA	NewDrill - Commingle	E/2 32-028N-004W	1999 POD
SAN JUAN 28-4 UNIT 35M	MESAVERDE	NewDrill - Commingle	S/2 33-028N-004W	WOC
SAN JUAN 28-4 UNIT 35M	DAKOTA	NewDrill - Commingle	E/2 33-028N-004W	WOC
SAN JUAN 28-4 UNIT 36	DAKOTA	Recompletion from DK	W/2 29-028N-004W	Completed
SAN JUAN 28-4 UNIT 36	MESAVERDE	Recompletion to MV	S/2 29-028N-004W	Completed

* 29M cancelled due to suitable location not being available because of owl habitat identified by forest service.

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 28-4 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 1999 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-4 UNIT 32M *	MESAVERDE	NewDrill - Commingle	S/2 32-028N-004W
SAN JUAN 28-4 UNIT 32M *	DAKOTA	NewDrill - Commingle	E/2 32-028N-004W

*Carried over from 1998 Plan of Development.

The following is a well listing for wells in SAN JUAN 28-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-4 UNIT 17R	PICTURED CLIFFS	N 020-028N-004W	Shut-in	Commingle
SAN JUAN 28-4 UNIT 17R	FRUITLAND COAL	N 020-028N-004W	Shut-in	Commingle
SAN JUAN 28-4 UNIT 201	PICTURED CLIFFS	N 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 201	FRUITLAND COAL	N 018-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 30M	MESAVERDE	S 031-028N-004W	WO tie-in	Commingle
SAN JUAN 28-4 UNIT 30M	DAKOTA	E 031-028N-004W	WO tie-in	Commingle
SAN JUAN 28-4 UNIT 31M	DAKOTA	W 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 31M	MESAVERDE	N 032-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 35M	DAKOTA	S 033-028N-004W	WO tie-in	Commingle
SAN JUAN 28-4 UNIT 35M	MESAVERDE	E 033-028N-004W	WO tie-in	Commingle
SAN JUAN 28-4 UNIT 36	DAKOTA	W 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 36	MESAVERDE	S 029-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	FRUITLAND COAL	S 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	PICTURED CLIFFS	S 007-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	FRUITLAND COAL	S 017-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	PICTURED CLIFFS	S 017-028N-004W	Active	Commingle
			Commingle Completion Count	16
SAN JUAN 28-4 UNIT 1	MESAVERDE	N 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 11	MESAVERDE	N 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 12	MESAVERDE	S 033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 13	MESAVERDE	S 020-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 14	MESAVERDE	N 029-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 15	MESAVERDE	S 029-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 16	MESAVERDE	N 030-028N-004W	P&A	Single

SAN JUAN 28-4 UNIT 17	MESAVERDE	N 020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 18	MESAVERDE	S 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 2	MESAVERDE	S 017-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 20	MESAVERDE	S 030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 21	MESAVERDE	All 007-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 26	MESAVERDE	S 018-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 27	MESAVERDE	S 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 28	MESAVERDE	N 019-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 29	DAKOTA	W 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 30	DAKOTA	E 031-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 31	DAKOTA	W 032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 32	DAKOTA	E 032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 33	DAKOTA	W 033-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 34	DAKOTA	E 030-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 37	DAKOTA	E 029-028N-004W	Shut-in	Single
SAN JUAN 28-4 UNIT 5	MESAVERDE	N 032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 6	PICTURED CLIFFS	S 011-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 7	PICTURED CLIFFS	S 012-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 8	MESAVERDE	S 036-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 9	MESAVERDE	S 032-028N-004W	Active	Single
SAN JUAN 28-4 UNIT NP 17	FRUITLAND COAL	N 020-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT NP 202	FRUITLAND COAL	S 018-028N-004W	Active	Single

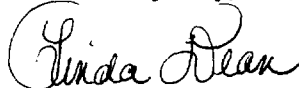
Single 29
Completion
Count
Grand 45
Completion
Count

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
Senior Staff Landman

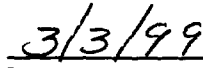
**SAN JUAN 28-4 UNIT
1999 PLAN OF DEVELOPMENT**

Bureau of Land Management



New Mexico Oil Conservation Division

Date



Date

New Mexico Commissioner of Public Lands

Date

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Cross Timbers Oil Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

Williams Production Company

BURLINGTON RESOURCES

SAN JUAN DIVISION

December 15, 1998

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

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

RE: San Juan 28-4 Unit (#14-08-001-933)
Commercial Determinations
Pictured Cliffs Formation
Rio Arriba County, New Mexico

Gentlemen:

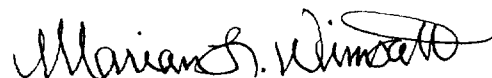
Pursuant to the provisions of Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved, July 24, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the well listed below is not capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation. Burlington is seeking confirmation of the paying well determination enclosed.

BR's	Well Name	Well	Dedicated	Completion	Commericality
<u>AIN No.</u>	<u>& Number</u>	<u>Dedication</u>	<u>Lease</u>	<u>Date</u>	<u>Determination</u>
4006801	San Juan 28-4 Unit #201	NE/4 18-28N-4W	NMNM-03862	9/2/94	Non-Commercial

Upon receipt of response from the Bureau of Land Management and concurring response from the New Mexico Oil Conservation Division, the well will be carried as non-commercial on a lease basis.

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 28-4 Unit, 4.1
cc: Linda Donohue

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Cross Timbers Oil Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

Williams Production Company

BURLINGTON RESOURCES
COMMERCIALITY DETERMINATION
BLM DATA SHEET

11/23/98

FOR LEASE: SAN JUAN 28-4 UNIT # 201

WELL INFORMATION:

LOCATION	028N004W18A		
COUNTY	RIO ARRIBA		
STATE	NM		
FORMATION	GOVERNADOR P.C. (GAS)		
OPERATOR	BURLINGTON RESOURCES		
SPUD DATE	7/20/94		
COMP DATE	9/ 2/94		
FIRST GAS	11/30/94		
COMM GWI	100.00	MOI GWI	100.00
COMM NRI	87.50	MOI NRI	83.13

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	\$	189.00	M
PAYOUT YEARS		21.25	

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	7.24	1.15	.00	3.70	.00	3.70
1996	9.91	1.53	.00	4.03	.00	4.03
1997	10.69	.85	.00	4.03	.00	4.03
1998	8.81	.41	.00	4.03	.00	4.03
1999	9.42	.00	.00	4.03	.00	4.03
2000	8.90	.00	.00	4.03	.00	4.03
2001	8.41	.00	.00	4.03	.00	4.03
2002	7.95	.00	.00	4.03	.00	4.03
2003	7.51	.00	.00	4.03	.00	4.03
2004	7.10	.00	.00	4.03	.00	4.03
2005	6.71	.00	.00	4.03	.00	4.03

BURLINGTON RESOURCES
COMMERCIALITY DETERMINATION
BLM DATA SHEET

11/23/98

FOR LEASE: SAN JUAN 28-4 UNIT

201

WELL INFORMATION:

LOCATION 028N004W18A
COUNTY RIO ARriba
STATE NM
FORMATION GOVERNADOR P.C. (GAS)
OPERATOR BURLINGTON RESOURCES
SPUD DATE 7/20/94
COMP DATE 9/ 2/94
FIRST GAS 11/30/94
COMM GWI 100.00 % MOI GWI 100.00 %
COMM NRI 87.50 % MOI NRI 83.13 %

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

1,160 MMBtu / Mcf

WELL COST DATA:

AVERAGE WELL COST \$ 189.00 M
PAYOUT YEARS 21.2

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
Copyright 1998 Rockies

ID: R-176280-0 Original
Run Date: 23-Nov-98

=====
State : New Mexico NM Merid 28N - 4W - 18 sw ne ne

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/GOBERNADOR PC Compl: 09/03/1994 D G M&G

=====
Well: SAN JUAN 28-4 UNIT #201 Last Info: 10/20/1995

Ftg: 1080 fnl 890 fel

Lat-Long by TDG: 36.666092 - 107.285324

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 4725 Fruitland coal Permit #: Coal 05/09/1994 API: 30-039-2543100
Elev: 7523KB

=====
Spud: 07/20/1994

TD: 4725 on 07/28/1994

=====
Elev: 7523KB 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	3704	3819 L H	Fruitland	4154	3369 L H
Kirtland	3957	3566 L H	Pictured Cliffs	4390	3133 L H

=====
Notes : (Operator plans recompletion for sidetrack #1, reference ID #182066)

Casing: 8 5/8 @ 544 w/525
4 1/2 @ 4720 w/690

Mud : 9.2# @ 4721

Core : None

DST : None rptd

Logs : 07/26/94 Schlumberger AIT GR @ 546-4705, FACT @ 546-4723, CNL LDT @
3700-4721.

07/29/94 Basin IL GR CNL LDT MRIL @ 50-4667.

Tubing: 2 3/8 @ 4552

Perfs : 4392-4564 (Pictured Cliffs)
- frac w/197000# 20/40 Arizona sd 25186 gal 30# x-link gel
4284-4347 (Fruitland coal)
- frac w/80000# 20/40 Arizona sd 10836 gal 30# x-link gel

PZone :

(DUAL)
4284-4347 (Fruitland coal)
4392-4564 (Pictured Cliffs)

IP : (Fruitland coal 4284-4347) F 454 MCFGPD; SICP 1100
(Pictured Cliffs 4392-4564) F 800 MCFGPD; SICP 1100

Journl: 8/3/94 set surf csg July 22, drlg.

8/10/94 prod csg set July 28.

8/14/94 added log details.

10/6/94 completed methane & gas well, SI.

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 28-4 Unit (#14-08-001-933)
Commercial Determinations
Pictured Cliffs Formation
Rio Arriba County, New Mexico

Gentlemen:

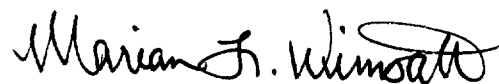
Pursuant to the provisions of Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved, July 24, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the well listed below is not capable of producing unitized substances in paying quantities from the Pictured Cliffs 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
40037A	San Juan 28-4 Unit #17R	N/2 20-28N-4W	NMSF-079729	09/27/94	Non-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 well will be carried as non-commercial on a lease basis.

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 28-4 Unit, 4.1
cc: Linda Donohue

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Cross Timbers Oil Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

Williams Production Company

BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET

8/31/98

FOR LEASE: SAN JUAN 28-4 UNIT # 17R

WELL INFORMATION:

LOCATION	028N004W20H
COUNTY	RIO ARRIBA
STATE	NM
FORMATION	BASIN (FRUITLAND COAL)
OPERATOR	BURLINGTON RESOURCES
SPUD DATE	8/ 4/94
COMP DATE	9/27/94
FIRST GAS	1/31/95
COMM GWI	100.00
COMM NRI	87.50
MOI GWI	100.00
MOI NRI	83.13

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	\$	206.00	M
PAYOUT YEARS		4.33	

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	1.78	.00	.00	4.42	.00	4.42
1996	5.69	.00	.00	5.89	.00	5.89
1997	4.84	.00	.00	5.89	.00	5.89
1998	4.12	.00	.00	5.89	.00	5.89
1999	1.23	.00	.00	1.96	.00	1.96

BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET

8/31/98

FOR LEASE: SAN JUAN 28-4 UNIT

17R

WELL INFORMATION:

LOCATION 028N004W20H
COUNTY RIO ARRIBA
STATE NM
FORMATION BASIN (FRUITLAND COAL)
OPERATOR BURLINGTON RESOURCES
SPUD DATE 8/ 4/94
COMP DATE 9/27/94
FIRST GAS 1/31/95
COMM GWI 100.00 % MOI GWI 100.00 %
COMM NRI 87.50 % MOI NRI 83.13 %

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

1,276 MMBtu / Mcf

WELL COST DATA:

AVERAGE WELL COST \$ 206.00 M
PAYOUT YEARS 4.3

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
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ID: R-175742-0 Original
Run Date: 2-Sep-98

=====
State : New Mexico NM Merid 28N - 4W - 20 nw se ne

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/GOVERNADOR PC Compl: 09/27/1994 D G M&G

=====
Well: SAN JUAN 28-4 UNIT #17R Last Info: 02/20/1995

Ftg: 1505 fnl 950 fel

Lat-Long by TDG: 36.649689 - 107.267822

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 4520 Picture Cliffs Permit #: Coal 03/17/1994 API: 30-039-2538100
Elev: 7350KB

=====
Spud: 08/04/1994 Contr: Exeter Rig #: 53
TD: 4545 on 08/13/1994

=====
Elev: 7350KB 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	3575	3775	L H	Fruitland	4018	3332	L H
Kirtland	3820	3530	L H	Pictured Cliffs	4207	3143	L H

=====
DDC : 5 Gobernador (miles from the nearest city)

Notes :

Casing: 8 5/8 @ 541 w/390
4 1/2 @ 4537 w/695

Mud : 8.9# @ 4545

Core : None

Logs : 08/10/94 Schlumberger AIT GR @ 541-4531, CNT LDT @ 541-4545, FACT @
541-4547.

Tubing: 2 3/8 @ 4359

Perfs : 4209-4360 (Pictured Cliffs)
- frac w/204000# 20/40 Brady sd 19711 gal 30# x-link gel
4137-4189 (Fruitland coal)
- frac w/33000# 20/40 sd 7000 gal fluid 275000 SCF N2

PZone :

(DUAL)
4137-4189 (Fruitland coal)
4209-4360 (Pictured Cliffs)

IP : (Fruitland coal 4137-4189) F 42 MCFGPD; FTP 1020, SICP 1025
(Pictured Cliffs 4209-4360) F 123 MCFGPD; SITP 1020, SICP 1025

Journl: 8/1/94 rig rptd on site.

9/7/94 completing.

11/17/94 log details added.

11/29/94 completed, have not filed completion rpt.

12/14/94 completed methane & gas well, SI.

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 28-4 Unit (#14-08-001-933)
Commercial Determinations
Fruitland Coal Formation
Rio Arriba County, New Mexico

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved, July 24, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the well listed below is not 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
40037B	San Juan 28-4 Unit #17R	N/2 20-28N-4W	NMSF-079729	09/27/94	Non-Commercial
40068B	San Juan 28-4 Unit #20I	N/2 18-28N-4W	NMNM-03862	09/03/94	Non-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 well will be carried as non-commercial on a lease basis.

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 28-4 Unit, 4.5
cc: Linda Donohue

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Cross Timbers Oil Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

Williams Production Company

BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET

8/31/98

FOR LEASE: SAN JUAN 28-4 UNIT # 17R

WELL INFORMATION:

LOCATION 028N004W20H
COUNTY RIO ARRIBA
STATE NM
FORMATION CHOZA MESA P.C. (GAS)
OPERATOR BURLINGTON RESOURCES
SPUD DATE 8/ 4/94
COMP DATE 9/27/94
FIRST GAS 1/31/95
COMM GWI 100.00 MOI GWI 100.00
COMM NRI 87.50 MOI NRI 83.13

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 \$ 192.00 M
PAYOUT YEARS 1.92

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	1.88	1.07	.00	3.36	.00	3.36
1996	.66	.17	.00	3.70	.00	3.70

BURLINGTON RESOURCES
COMMERICALITY DETERMINATION
BLM DATA SHEET

8/31/98

FOR LEASE: SAN JUAN 28-4 UNIT

17R

WELL INFORMATION:

LOCATION	028N004W20H
COUNTY	RIO ARRIBA
STATE	NM
FORMATION	CHOZA MESA P.C. (GAS)
OPERATOR	BURLINGTON RESOURCES
SPUD DATE	8/ 4/94
COMP DATE	9/27/94
FIRST GAS	1/31/95
COMM GWI	100.00 %
COMM NRI	87.50 %

MOI GWI	100.00 %
MOI NRI	83.13 %

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

1,276 MMBtu / Mcf

WELL COST DATA:

AVERAGE WELL COST	\$	192.00 M
PAYOUT YEARS		1.9

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
Copyright 1998 Rockies

ID: R-175742-0 Original
Run Date: 2-Sep-98

=====
State : New Mexico NM Merid 28N - 4W - 20 nw se ne

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/GOBERNADOR PC Compl: 09/27/1994 D G M&G

=====
Well: SAN JUAN 28-4 UNIT #17R Last Info: 02/20/1995

Ftg: 1505 fnl 950 fel

Lat-Long by TDG: 36.649689 - 107.267822

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 4520 Picture Cliffs Permit #: Coal 03/17/1994 API: 30-039-2538100
Elev: 7350KB

=====
Spud: 08/04/1994 Contr: Exeter Rig #: 53

TD: 4545 on 08/13/1994

=====
Elev: 7350KB 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	3575	3775	L H	Fruitland	4018	3332	L H
Kirtland	3820	3530	L H	Pictured Cliffs	4207	3143	L H

=====
DDC : 5 Gobernador (miles from the nearest city)

Notes :

Casing: 8 5/8 @ 541 w/390
4 1/2 @ 4537 w/695

Mud : 8.9# @ 4545

Core : None

Logs : 08/10/94 Schlumberger AIT GR @ 541-4531, CNT LDT @ 541-4545, FACT @
541-4547.

Tubing: 2 3/8 @ 4359

Perfs : 4209-4360 (Pictured Cliffs)
- frac w/204000# 20/40 Brady sd 19711 gal 30# x-link gel
4137-4189 (Fruitland coal)
- frac w/33000# 20/40 sd 7000 gal fluid 275000 SCF N2

PZone :

(DUAL)
4137-4189 (Fruitland coal)
4209-4360 (Pictured Cliffs)

IP : (Fruitland coal 4137-4189) F 42 MCFGPD; FTP 1020, SICP 1025
(Pictured Cliffs 4209-4360) F 123 MCFGPD; SITP 1020, SICP 1025

Journl: 8/1/94 rig rptd on site.

9/7/94 completing.

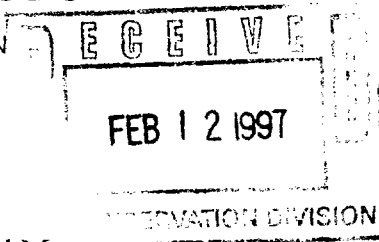
11/17/94 log details added.

11/29/94 completed, have not filed completion rpt.

12/14/94 completed methane & gas well, SI.

BURLINGTON RESOURCES

SAN JUAN DIVISION



February 10, 1997

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

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

**RE: SAN JUAN 28-4 UNIT, #14-08-001-933
1997 PLAN OF DEVELOPMENT
RIO ARRIBA COUNTY, NEW MEXICO**

Gentlemen:

By letter dated January 25, 1996, the Plan of Development (POD) for the calendar year 1996 was filed. The POD provided for the drilling of no wells during 1996.

The following Participating Areas currently exist in the unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Pictured Cliffs	1st	12-1-55
Mesaverde	12th	11-1-61
Dakota	7th	12-1-73

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

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits that no wells be drilled during 1997.

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.

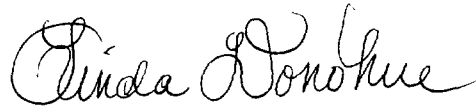
In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy to the undersigned.

SJ 28-4 Unit POD
February 10, 1997
Page 2

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,



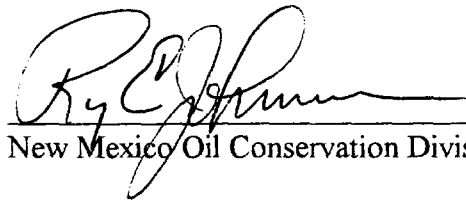
Linda Donohue
Senior Landman

LD/cj

File: SJ 28-4 Unit, 3.0 (1997)

1997 PLAN OF DEVELOPMENT

Bureau of Land Management



New Mexico Oil Conservation Division

Date

2-12-97

Date

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

N/A
Date

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

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

551

RE: San Juan 28-4 Unit (#14-08-001-933)
Commercial Determinations
Pictured Cliffs Formation
Rio Arriba County, New Mexico

Gentlemen:

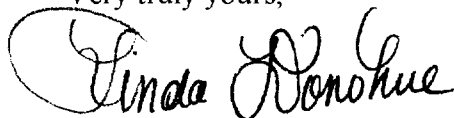
Pursuant to the provisions of Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved July 24, 1953, Meridian Oil Inc., as Operator, has determined that none of the wells listed below are capable of producing unitized substances in paying quantities from the Pictured Cliffs formation. Meridian is seeking confirmation of the paying well determinations enclosed. An Economic Summary Sheet for each well 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>
37862B	San Juan 28-4 #226	S/2 17-28N-4W	NMSF-079729	4294-4450'	10/27/93	Non-Commercial
38095B	San Juan 28-4 #225	S/2 7-28N-4W	NMSF-079727	4276-4420'	10/28/93	Non-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 wells will be carried as non-commercial on a lease basis.

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. 28-4 Unit, 4.1

P.O. Box 4289, Farmington, New Mexico 87499-4289, Telephone 505-326-9700. Fax 505-326-9833
3535 East 30th St., 87402-8891

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

El Paso Production Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

Williams Production Company

MERIDIAN OIL INC
COMMERICALITY DETERMINATION
BLM DATA SHEET

2/13/96

FOR LEASE: SAN JUAN 28-4 UNIT # 225

WELL INFORMATION:

LOCATION 028N004W07N
COUNTY RIO ARriba
STATE NM
FORMATION GOVERNADOR P.C. (GAS)
OPERATOR MERIDIAN OIL INC
SPUD DATE 10/ 3/93
COMP DATE 10/28/93
FIRST GAS 1/31/94
COMM GWI 100.00 MOI GWI 100.00
COMM NRI 87.50 MOI NRI 83.13

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 12/13/93
WHSIP 1,100.00
BHSIP 1,264.00

WELL COST DATA:

AVERAGE WELL COST \$ 401.00 M
PAYOUT YEARS 23.50

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	15.68	0.00	0.00	5.61	0.00	5.61
1995	7.84	0.00	0.00	6.12	0.00	6.12
1996	15.53	0.00	0.00	6.12	0.00	6.12
1997	14.44	0.00	0.00	6.12	0.00	6.12
1998	13.42	0.00	0.00	6.12	0.00	6.12
1999	12.48	0.00	0.00	6.12	0.00	6.12
2000	11.60	0.00	0.00	6.12	0.00	6.12
2001	10.78	0.00	0.00	6.12	0.00	6.12
2002	10.02	0.00	0.00	6.12	0.00	6.12
2003	9.31	0.00	0.00	6.12	0.00	6.12
2004	8.66	0.00	0.00	6.12	0.00	6.12
2005	8.05	0.00	0.00	6.12	0.00	6.12

MERIDIAN OIL INC
COMMERICALITY DETERMINATION
BLM DATA SHEET

2/13/96

FOR LEASE: SAN JUAN 28-4 UNIT

225

WELL INFORMATION:

LOCATION 028N004W07N
COUNTY RIO ARriba
STATE NM
FORMATION GOVERNADOR P.C. (GAS)
OPERATOR MERIDIAN OIL INC
SPUD DATE 10/ 3/93
COMP DATE 10/28/93
FIRST GAS 1/31/94
COMM GWI 100.00 MOI GWI 100.00
COMM NRI 87.50 MOI NRI 83.13

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

1,160 MMBtu / Mcf

WELL COST DATA:

AVERAGE WELL COST \$ 401.00 M
PAYOUT YEARS 23.50

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

MERIDIAN OIL INC
COMMERICALITY DETERMINATION
BLM DATA SHEET

2/13/96

FOR LEASE: SAN JUAN 28-4 UNIT

226

WELL INFORMATION:

LOCATION 028N004W17K
COUNTY RIO ARriba
STATE NM
FORMATION CHOZA MESA P.C. (GAS)
OPERATOR MERIDIAN OIL INC
SPUD DATE 9/23/93
COMP DATE 10/27/93
FIRST GAS 1/31/94
COMM GWI 100.00 MOI GWI 100.00
COMM NRI 87.50 MOI NRI 83.13

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	0.22	%
TOTAL		9.36	%

PRESSURE DATA:

DATE 12/13/93
WHSIP 1,103.00
BHSIP 1,263.00

WELL COST DATA:

AVERAGE WELL COST \$ 401.00 M
PAYOUT YEARS 14.66

ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

ESTIMATED ANNUAL PRODUCTION				OPERATING EXPENSES		
<u>YEAR</u>	<u>GAS</u> <u>(MMCF)</u>	<u>OIL</u> <u>(MBO)</u>	<u>WATER</u> <u>(MBW)</u>	<u>BASE</u> <u>(M\$)</u>	<u>WATER</u> <u>(M\$)</u>	<u>TOTAL</u> <u>(M\$)</u>
1994	31.83	0.00	0.00	5.61	0.00	5.61
1995	44.68	0.00	0.00	6.12	0.00	6.12
1996	47.76	0.00	0.00	6.12	0.00	6.12
1997	46.12	0.00	0.00	6.12	0.00	6.12
1998	44.54	0.00	0.00	6.12	0.00	6.12
1999	43.01	0.00	0.00	6.12	0.00	6.12
2000	41.53	0.00	0.00	6.12	0.00	6.12
2001	40.10	0.00	0.00	6.12	0.00	6.12
2002	38.72	0.00	0.00	6.12	0.00	6.12
2003	37.39	0.00	0.00	6.12	0.00	6.12
2004	36.10	0.00	0.00	6.12	0.00	6.12
2005	34.86	0.00	0.00	6.12	0.00	6.12

MERIDIAN OIL INC
COMMERICALITY DETERMINATION
BLM DATA SHEET

2/13/96

FOR LEASE: SAN JUAN 28-4 UNIT

226

WELL INFORMATION:

LOCATION 028N004W17K
COUNTY RIO ARriba
STATE NM
FORMATION CHOZA MESA P.C. (GAS)
OPERATOR MERIDIAN OIL INC
SPUD DATE 9/23/93
COMP DATE 10/27/93
FIRST GAS 1/31/94
COMM GWI 100.00 MOI GWI 100.00
COMM NRI 87.50 MOI NRI 83.13

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

1,160 MMBtu / Mcf

WELL COST DATA:

AVERAGE WELL COST \$ 401.00 M
PAYOUT YEARS 14.66

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

#55/

MERIDIAN OIL

JAN 29 1996

January 25, 1996

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

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

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

**RE: SAN JUAN 28-4 UNIT, #14-08-001-933
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 wells during 1995.

The following Participating Areas currently exist in the unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Pictured Cliffs	1st	12-1-55
Mesaverde	12th	11-1-61
Dakota	7th	12-1-73

There are currently four (4) Pictured Cliffs/Fruitland commingle wells waiting on commerciality determination.

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits that no wells be drilled during 1996.

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.

SJ 28-4 Unit 1996 POD

January 25, 1996

Page 2

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

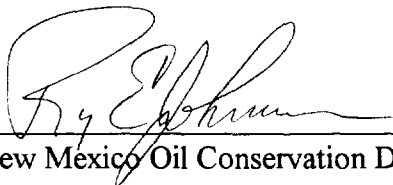
Enclosures

File: SJ 28-4 Unit, 3.0 (1996)

1996 PLAN OF DEVELOPMENT

Bureau of Land Management

Date



New Mexico Oil Conservation Division

2-1-96

Date

N/A - for information only

New Mexico Commissioner of Public Lands

N/A

Date

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

El Paso Production Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

Williams Production Company

551

MERIDIAN OIL

105 100 4 44 8 52

March 2, 1995

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

**RE: SAN JUAN 28-4 UNIT, #14-08-001-933
RIO ARRIBA COUNTY, NEW MEXICO
1995 PLAN OF DEVELOPMENT**

Gentlemen:

By letter dated January 31, 1994, Meridian Oil Inc., as Unit Operator for the referenced Unit, filed the Plan of Development (POD) for the calendar year 1994. The POD provided for the drilling of two (2) Fruitland/Pictured Cliffs commingle wells during 1994 which were drilled.

The following Participating Areas currently exist in the unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Pictured Cliffs	1st	12-1-55
Mesaverde	12th	11-1-61
Dakota	7th	12-1-73

There are currently four (4) Pictured Cliffs/Fruitland commingle wells waiting on commerciality determination.

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits that no wells be drilled during 1995.

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.

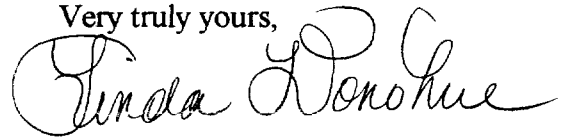
In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy to the undersigned.

SJ 28-4 POD
March 2, 1995
Page 2

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
ldplan95.1
Enclosures

File: SJ 28-4 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 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

El Paso Production Company

Estate of Robert Critchfield

Phillips Petroleum Company

Timothy D. McCoy

Union Pacific Resources

Williams Production Company

MERIDIAN OIL

January 31, 1994

RECEIVED
JAN 31 1994
FEB 1 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

**RE: SAN JUAN 28-4 UNIT, #14-08-001-933
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 (POD) for the calendar year 1993. The POD provided for the drilling of two (2) Fruitland/Pictured Cliffs commingle wells during 1993 which were drilled.

As of this date, the total number of wells in the San Juan 28-4 Unit are as follows:

Fruitland, Being Evaluated	1
Fruitland/Pictured Cliffs Commingle, Being Evaluated	2
Plugback Mesaverde/Recomplete Fruitland, Being Evaluated	1
Pictured Cliffs, Commercial	2
Mesaverde, Commercial	17
Dakota, Commercial	<u>9</u>
	34

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits that the following wells be drilled during 1994:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-4 Unit #201	N/2 18-28N-4W	Fruitland/Pictured Cliffs Commingle
San Juan 28-4 Unit #17R	N/2 20-28N-4W	Fruitland/Pictured Cliffs Commingle

The necessary concurrence has been obtained to submit the above wells for 1994 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.

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,

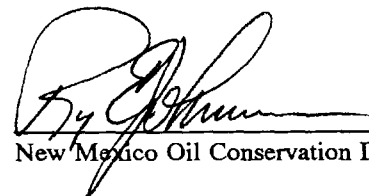

Kent Beers
Attorney-in-Fact 

KB/LD/pr
ldjan.34
Enclosures

SJ 28-4 Unit, 3.0 (1994)

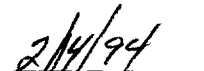
1994 PLAN OF DEVELOPMENT APPROVALS

Bureau of Land Management



New Mexico Oil Conservation Division

Date



Date

N/A-For Information Only
New Mexico Commission of Public Lands

N/A
Date

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Estate of Mr. Robert Critchfield

El Paso Production Company

Mr. Timothy D. McCoy

Phillips Petroleum Company

Union Pacific Resources

Williams Production Company

MERIDIAN OIL

January 31, 1994

PLEASE RETURN TO
LAND-FARMINGTON

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

**RE: SAN JUAN 28-4 UNIT, #14-08-001-933
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 (POD) for the calendar year 1993. The POD provided for the drilling of two (2) Fruitland/Pictured Cliffs commingle wells during 1993 which were drilled.

As of this date, the total number of wells in the San Juan 28-4 Unit are as follows:

Fruitland, Being Evaluated	1
Fruitland/Pictured Cliffs Commingle, Being Evaluated	2
Plugback Mesaverde/Recomplete Fruitland, Being Evaluated	1
Pictured Cliffs, Commercial	2
Mesaverde, Commercial	17
Dakota, Commercial	<u>9</u>
	34

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits that the following wells be drilled during 1994:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-4 Unit #201	N/2 18-28N-4W	Fruitland/Pictured Cliffs Commingle
San Juan 28-4 Unit #17R	N/2 20-28N-4W	Fruitland/Pictured Cliffs Commingle

The necessary concurrence has been obtained to submit the above wells for 1994 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.

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.



Regulatory Agencies
January 31, 1994
Page 2

PLEASE RETURN TO
LAND-FARMINGTON

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.34
Enclosures

SJ 28-4 Unit, 3.0 (1994)

1994 PLAN OF DEVELOPMENT APPROVALS

Bureau of Land Management

Date

New Mexico Oil Conservation Division

Date

N/A-For Information Only

New Mexico Commission of Public Lands

N/A

Date



RAY B. POWELL
COMMISSIONER

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

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

November 3, 1993

Meridian Oil Inc.
P.O. Box 4289
Farmington, New Mexico 87499-4289

Attention: Mr. Kent Beers

Re: San Juan 28-4 Unit
Rio Arriba County, New Mexico
Notice of Non-Commercial Wells
Fruitland Formation
Well Nos. 17, 202

Dear Mr. Beers:

The Bureau of Land Management has advised this office that the San Juan 28-4 Unit Well Nos. 17 and 202 have been determined non-commercial and therefore not entitled to receive a participating area.

Please be advised that the Commissioner of Public Lands concurs with the Bureau of Land Management's determination that the San Juan 28-4 Unit Well Nos. 17 and 202 are non-commercial in the Fruitland Coal Formation and production should be reported on a lease basis.

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

Very truly yours,

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

BY: 

FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
RBP/FOP/pm

cc: Reader File
BLM - Farmington
OCD
TRD

MERIDIAN OIL

OIL CONSERVATION DIVISION

June 1, 1993

RECEIVED

'93 JUN 7 AM 9 44

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 28-4 UNIT, 14-08-001-933
RIO ARRIBA COUNTY, NEW MEXICO
NOTICE OF NON-COMMERCIAL WELL
FRUITLAND FORMATION**

Gentlemen:

In accordance with Section 11a of the San Juan 28-4 Unit Agreement, approved July 7, 1953, Meridian Oil Inc., as Unit Operator, has determined that the following wells are not capable of producing unitized substances in paying quantities from the Fruitland formation to be admitted to the Participating Area:

San Juan 28-4 Unit #17

<u>Description</u>	<u>Tract No./Acres</u> <u>Lease No.</u>	<u>Tract Description</u>	<u>Comp. Date</u>
N/2 20-28N-4W	5/320.00 SF-079729	N/2	8/15/89

This well is incapable of production due to wellbore configuration. The well has a packer set just above the top perforation. Because of fluid production and insufficient annular volume, this well is continuously logged off and is being considered for redrill.

San Juan 28-4 Unit #202

S/2 18-28N-4W	9/319.56 NM-03862	Lots 3 & 4, E/2 SW/4, SE/4	10/3/89
---------------	----------------------	-------------------------------	---------

This well last produced in March, 1992 and averaged 17 Mcf/d. It does not produce sufficient gas to operate a compressor and attempts to improve production have been unsuccessful.

The scout ticket and production history for each well are attached for your reference.

BLM, CPL, OCD

June 1, 1993

Page 2

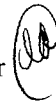
We would appreciate consideration of these non-commercial determinations in writing as soon as possible. Please contact Linda Donohue at 327-9760 if there are any questions regarding this matter.

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

Very truly yours,

A handwritten signature in black ink, appearing to be 'KB', with a long horizontal line extending to the right.

Kent Beers
Regional Land Manager

A small, circular handwritten mark or initials, possibly 'LD', located to the right of the typed name.

KB/LD/pr

ldmay.32

SJ 28-4, 4.5

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Estate of Mr. Robert Critchfield

El Paso Production Company

Mr. Timothy D. McCoy (United Western Energy Corp.)

Phillips Petroleum Company

Union Pacific Resources

Williams Production Company

Dwights Well Data System CD-ROM
Copyright 1993 Rocky Mountains

H# R-954923-1 Plug Back
Run Date: 30-Mar-93

=====
State : New Mexico NM Merid 28N - 4W - 20 sw ne ne

County: RIO ARriba Oper: EL PASO NATURAL GAS CO

Field : BASIN FRT COAL Comp1: 08/15/1989 D G METH

=====
Well: SAN JUAN 28-4 U #17 Last Info: 11/04/1991
Ftg: 1150 fnl 890 fel
Lat-Long by GITI: 36.650665 - 107.267654
Oper Address: Box 1492, El Paso TX 77978 - 915/541-2164
Obj: 4192 Fruitland coal Permit #: Coal API: 30-039-0379500
Elev: 7330GR
=====

Spud: 08/01/1989
TD: 6690 PB: 4314
=====

Tubing: 3 1/2 @ 4094 w/pkr @ 3075
Perfs : 4133-4192 (Fruitland coal)
w/2 SPF @ 4133-4149, 4156-4158, 4161-4181, 4186-4192 - frac w/186,700#
sd 106,306 gal fluid
PZone : 4133-4192 (Fruitland coal)
gross interval
IP : F 215 MCF; 339 BW in 7 days
Journl: 5/3/90 recompleted methane gas well; SI.
11/1/91 recompleted methane gas well, IP reported.

PHS030M1

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PF6 - RETURNS TO ANNUAL DISPLAY      PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION              PF9 - DISPLAY MONTHLY INJECTION
                                00/00/00  00:00:00:0
                                P12  07/03/92
```

B MY JOB NUM LU #27

FARMINGTON 1992 MONTHLY PRODUCTION FOR 50164B
 SAN JUAN 28-4 UNIT 17 MERIDIAN OIL INC
 BASIN (FRUITLAND COAL) FIELD FRUITLAND COAL ZONE

PHS030M1

			DAYS =====		OIL =====		=====		GAS =====						
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C	
1	2		31	02			01		31		15.025			0	
2	2		29	02			01		29		15.025			0	
3	2		31	02			01		31		15.025			0	
4	2		30	02			01	15	30	1079	15.025			0	
5	2	F	31	02			01	9	31	1079	15.025			0	
6	2	F	30	02			01	3	30	1079	15.025			0	
7	2	F	31	02			01		31		15.025			0	
8	2	F	31	02			01		31		15.025			0	
9	2	F	30	02			01		30		15.025			0	
10	2	F	31	02			01	18	31	1079	15.025			0	
11	2	F	30	02			01		30		15.025			0	
12	2	F	31	02			01		31		15.025			0	

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
 PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
 00/00/00 00:00:00:0 P12 02/02/93

B MY JOB NUM LU #27

FARMINGTON 1993 MONTHLY PRODUCTION FOR 50164B
 SAN JUAN 28-4 UNIT 17 MERIDIAN OIL INC
 BASIN (FRUITLAND COAL) FIELD FRUITLAND COAL ZONE

PHS030M1

			DAYS =====		OIL =====		=====		GAS =====						
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C	
1	2	F	31	02			01		31		15.025			0	
2	2	F	28	02			01		28		15.025			0	
3	2	F	31	02			01		31		15.025			0	
4															
5															
6															
7															
8															
9															
10															
11															
12															

PF6 - RETURNS TO ANNUAL DISPLAY PF3 - TRANSFER TO UPDATE
 PF10 - HELP INFORMATION PF9 - DISPLAY MONTHLY INJECTION
 00/00/00 00:00:00:0 P12 05/04/93

B MY JOB NUM LU #27

=====
State : New Mexico NM Merid 28N - 4W - 18 se nw sw

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Comp1: 10/03/1989 D G METH

=====
Well: SAN JUAN 28-4 UNIT #202 Last Info: 04/04/1990
Ftg: 1450 fs1 1030 fw1
Lat-Long by GITI: 36.657715 - 107.296432
Oper Address: 400 N Sam Houston Pkwy #1200, Houston TX 77060 - 713/878-3815
Obj: 4415 Fruitland coal Permit #: Coal 03/27/1989 API: 30-039-2454200
Elev: 7533KB

=====
Spud: 09/16/1989
TD: 4482 on 09/27/1989

=====
Elev: 7533KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Scout,T=Govt,S=Shell,G=USGS,N=NRIS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
Ojo Alamo	3852	3681 L H	Fruitland	4236	3297 L H
Kirtland	4002	3531 L H			

=====
DDC : 7 S Gobernador (miles from the nearest city)

Casing: 9 5/8 @ 437 w/354 CF

7 @ 4290 w/1284 CF

4 1/2 lnr @ 4126-4477 w/136 CF

Logs : Western Atlas DIFL GR SP ZDL Cal CN Spectralog

Tubing: 2 3/8 @ 4428

Perfs : 4304-4465 (Fruitland coal)
w/2 SPF @ 4304-4315, 4342-4343, 4361-4364, 4388-4400, 4408-4418,
4425-4432, 4456-4465 - frac w/147,150# 20/40 sd 115,330 gal slk wtr

PZone : 4304-4465 (Fruitland coal)
gross interval

IP : F 16 MCFGPD on 3/4 ck; no oil; no wtr rptd; SICP 859

LocCom: 6/27/89 still plan to drill.

Journl: 9/29/89 drlg ahead.

10/9/89 rig rptd released Oct 3.

10/11/89 WO prod casing.

10/23/89 WOCT.

11/14/89 WOCT as of Oct 23.

12/5/89 WOCT as of Oct 23; no further details available.

12/7/89 completed methane gas well.

FARMINGTON 1990 MONTHLY PRODUCTION FOR 4099A
 SAN JUAN 28-4 UNIT 202 MERIDIAN OIL INC
 BASIN (FRUITLAND COAL) FIELD FRUITLAND COAL ZONE

PHS030M1

DAYS =====				OIL =====		=====				GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F	21	02			01	656	21	1215	15.025		39	0
2	2	F	28	02			01	439	28	1214	15.025		18	0
3	2	F	31	02			01	401	31	1214	15.025		18	0
4	2	F	30	02	143	35.1	01	772	30	1214	15.025		18	0
5	2	F	31	02			01	692	31	1214	15.025		18	0
6	2	F	30	02			01	494	30	1214	15.025		18	0
7	2	F	25	02			01	536	25	1185	15.025		18	0
8	2	F	31	02			01	432	31	1185	15.025		18	0
9	2	F	30	02			01	640	30	1185	15.025		18	0
10	2	F	31	02			01	425	31	1185	15.025		18	0
11	2	F	30	02			01	380	30	1185	15.025		18	0
12	2	F	10	02	2	46.0	01	175	10	1185	15.025		18	0

PF6 - RETURNS TO ANNUAL DISPLAY
 PF10 - HELP INFORMATION

PF3 - TRANSFER TO UPDATE
 PF9 - DISPLAY MONTHLY INJECTION
 P12 08/05/92

00/00/00 00:00:00:0

B MY JOB TIME NUM LU #27

FARMINGTON 1991 MONTHLY PRODUCTION FOR 4099A
 SAN JUAN 28-4 UNIT 202 MERIDIAN OIL INC
 BASIN (FRUITLAND COAL) FIELD FRUITLAND COAL ZONE

PHS030M1

DAYS =====				OIL =====		=====				GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	S	31	02			01			1172	15.025		18	0
2	2	S	28	02			01			1172	15.025		18	0
3	2	S	31	02			01			1172	15.025		18	0
4	2	S	30	02			01			1172	15.025		18	0
5	2	S		02			01			1172	15.025		18	0
6	2	S	30	02			01			1172	15.025		18	0
7	2	S	31	02			01			1172	15.025		18	0
8	2	F	6	02	202	45.5	01	855	6	1185	15.025		18	0
9	2	F	30	02			01	929	30	1172	15.025		18	0
10	2	F	31	02			01	801	31	1193	15.025		18	0
11	2	F	30	02			01	447	30	1193	15.025		18	0
12	2	F	31	02			01	103	31	1179	15.025		18	0

PF6 - RETURNS TO ANNUAL DISPLAY
 PF10 - HELP INFORMATION

PF3 - TRANSFER TO UPDATE
 PF9 - DISPLAY MONTHLY INJECTION
 P12 07/03/92

00/00/00 00:00:00:0

B MY JOB NUM LU #27

FARMINGTON 1992 MONTHLY PRODUCTION FOR 4099A
 SAN JUAN 28-4 UNIT 202 MERIDIAN OIL INC
 BASIN (FRUITLAND COAL) FIELD FRUITLAND COAL ZONE

PHS030M1

DAYS =====				OIL =====		=====				GAS =====				
MO	T	S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	F	31	02			01		31	1172	15.025		18	0

2	2	F	29	02	01	29	1172	15.025	18	0
3	2	F	31	02	01	526 31	1185	15.025	18	0
4	2	F	5	02	01	19 5	1185	15.025	18	0
5	2	S		02	01		1172	15.025		0
6	2	S		02	01		1172	15.025		0
7	2	S		02	01		1172	15.025		0
8	2	S		02	01		1172	15.025		0
9	2	S		02	01		1172	15.025		0
10	2	S		02	01		1172	15.025		0
11	2	S		02	01		1172	15.025		0
12	2	S		02	01		1172	15.025		0

PF6 - RETURNS TO ANNUAL DISPLAY	PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION	PF9 - DISPLAY MONTHLY INJECTION
00/00/00 00:00:00:0	P12 02/02/93

B MY JOB NUM LU #27

FARMINGTON	1993 MONTHLY PRODUCTION FOR 4099A	PHS030M1
SAN JUAN 28-4 UNIT 202	MERIDIAN OIL INC	
BASIN (FRUITLAND COAL) FIELD	FRUITLAND COAL ZONE	

DAYS		OIL		GAS									
MO	T S	ON	PC	PROD	GRV	PC	PROD	ON	BTU	PRESS	WATER	PROD	C
1	2	S	02			01			1172	15.025			0
2	2	S	02			01			1172	15.025			0
3	2	S	02			01			1172	15.025			0
4													
5													
6													
7													
8													
9													
10													
11													
12													

PF6 - RETURNS TO ANNUAL DISPLAY	PF3 - TRANSFER TO UPDATE
PF10 - HELP INFORMATION	PF9 - DISPLAY MONTHLY INJECTION
00/00/00 00:00:00:0	P12 05/04/93

B MY JOB NUM LU #27

1993 FEB 25 AM 9 05

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 28-4 UNIT, #14-08-001-933
RIO ARRIBA COUNTY, NEW MEXICO
1993 PLAN OF DEVELOPMENT

Gentlemen:

By letter dated February 28, 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 28-4 Unit are as follows:

Fruitland, Being Evaluated	1
Plugback Mesaverde/Recomplete Fruitland, Being Evaluated	1
Pictured Cliffs, Commercial	2
Mesaverde, Commercial	17
Dakota, Commercial	9
	30

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits that the following wells be drilled during 1993:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-4 Unit #225	S/2 7-28N-4W	Fruitland/Pictured Cliffs Commingle
San Juan 28-4 Unit #226	S/2 17-28N-4W	Fruitland/Pictured Cliffs Commingle

All of the working interest owners have been contacted and the necessary concurrence to propose the above 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.

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.

Regulatory Agencies
February 25, 1993
Page 2

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 'KB' with a stylized flourish extending to the right.

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.34
Enclosures

San Juan 28-4 Unit, 3.0

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Estate of Mr. Robert Critchfield

El Paso Production Company

Mr. Timothy D. McCoy (United Western Energy Corp.)

Phillips Petroleum Company

Union Pacific Resources

Williams Production Company

MERIDIAN OIL

551

RECEIVED
DIVISION
FEB 28 1992

February 28, 1992

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 28-4 UNIT, #14-08-001-933
Rio Arriba County, New Mexico
1992 Plan of Development

Gentlemen:

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.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Fruitland, Being Evaluated	1
Plugback Mesaverde/Recomplete Fruitland, Being Evaluated	1
Pictured Cliffs, Commercial	2
Mesaverde, Commercial	17
Dakota, Commercial	<u>9</u>
	30

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits that no wells be drilled during 1992.

Regulatory Agencies
February 28, 1992
Page Two

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,

A handwritten signature in black ink, appearing to be 'KB' with a long horizontal stroke extending to the right.

Kent Beers
Attorney-in-Fact

KB:LD/lr
IDreg/4-5
Enclosures

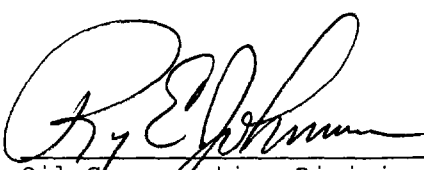
San Juan 28-4 Unit, 3.0

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 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Estate of Mr. Robert Critchfield

El Paso Production Company

Mr. Timothy D. McCoy

Phillips Petroleum Company

Union Pacific Resources

Williams Production Company

#551

RESIGNATION OF UNIT OPERATOR AND
DESIGNATION OF SUCCESSOR UNIT OPERATOR

San Juan 28-4 Unit Area
County of Rio Arriba, State of New Mexico
No. 14-08-001-933

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 24th day of July, 1953, approved the Unit Agreement for the Development and Operation of the San Juan 28-4 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 2nd day of July, 1953, approved a Unit Agreement for the Development and Operation of the San Juan 28-4 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 28-4 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 28-4 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 28-4 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 28-4 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

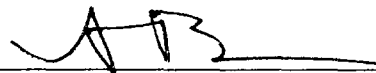
and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said Unit Agreement; and said Unit Agreement being hereby incorporated by references and made a part hereof as fully and effectively as though said Unit Agreement were expressly set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

Kathlene A. Webb
Notary Public

My commission expires:

November 8, 1994

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.

Kathlene A. Webb
Notary Public

My commission expires:

November 8, 1994

RESIGNATION OF UNIT OPERATOR AND DESIGNATION OF SUCCESSOR UNIT OPERATOR
SAN JUAN 28-4 UNIT AREA.

El Paso
Natural Gas Company

RECEIVED
OIL CONSERVATION DIVISION
FEB 29 9 20 AM '91

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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1991 Plan of Development

Gentlemen:

By letter 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 eleven (11) Pictured Cliffs wells. 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 28-4 Unit #212	A11 11-28N-4W	Fruitland Coal
San Juan 28-4 Unit #214	A11 12-28N-4W	Fruitland Coal
San Juan 28-4 Unit #201	N/2 18-28N-4W	Fruitland Coal
San Juan 28-4 Unit #204	S/2 19-28N-4W	Fruitland Coal
San Juan 28-4 Unit #207	N/2 29-28N-4W	Fruitland Coal
San Juan 28-4 Unit #218	N/2 31-28N-4W	Fruitland Coal
San Juan 28-4 Unit #219	S/2 31-28N-4W	Fruitland Coal
San Juan 28-4 Unit #220	N/2 32-28N-4W	Fruitland Coal
San Juan 28-4 Unit #221	S/2 32-28N-4W	Fruitland Coal
San Juan 28-4 Unit #223	S/2 33-28N-4W	Fruitland Coal
San Juan 28-4 Unit #224	S/2 36-28N-4W	Fruitland Coal

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Fruitland, Being Evaluated	1
Plugback Mesaverde/Recomplete Fruitland, Being Evaluated	1
Pictured Cliffs, Commercial	2
Mesaverde, Commercial	17
Dakota, Commercial	<u>9</u>
	30

Regulatory Agencies
February 26, 1991
Page Two

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits that 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,

A handwritten signature in black ink, appearing to be 'KB' followed by a horizontal line.

Kent Beers
Attorney-in-Fact

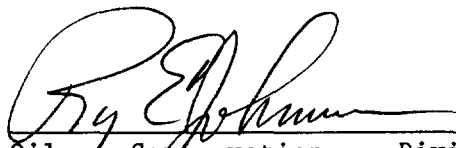
KB/LD/sf
ID.#243+5
Enclosures
San Juan 28-4 Unit, 3.0

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 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Union Pacific Resources Company

Estate of Mr. Robert Critchfield

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Petroleum Company

United Western Energy Corp.

#551

El Paso
Natural Gas Company

RECEIVED 5 FEB 10 1990

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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1990 Plan of Development

Gentlemen:

By letters dated February 28 and April 26, 1989, El Paso Natural Gas Company, as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1989. These programs provided for the drilling of four (4) Fruitland Coal wells. The #202, S/2 18-28N-4W was drilled. The #201, N/2 18-28N-4W, #204, S/2 19-28N-4W and #207, N/2 29-28N-4W should be carried over for development this year.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Fruitland, Being Evaluated	1
Plugback Mesaverde/Recomplete Fruitland, Being Evaluated	1
Pictured Cliffs, Commercial	2
Mesaverde, Commercial	17
Dakota, Commercial	<u>9</u>
	30

February 28, 1990

Pursuant to Section 10 of the San Juan 28-4 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 28-4 Unit #212	All 11-28N-4W	Fruitland Coal
San Juan 28-4 Unit #214	All 12-28N-4W	Fruitland Coal
San Juan 28-4 Unit #201	N/2 18-28N-4W	Fruitland Coal
San Juan 28-4 Unit #204	S/2 19-28N-4W	Fruitland Coal
San Juan 28-4 Unit #207	N/2 29-28N-4W	Fruitland Coal
San Juan 28-4 Unit #218	N/2 31-28N-4W	Fruitland Coal
San Juan 28-4 Unit #219	S/2 31-28N-4W	Fruitland Coal
San Juan 28-4 Unit #220	N/2 32-28N-4W	Fruitland Coal
San Juan 28-4 Unit #221	S/2 32-28N-4W	Fruitland Coal
San Juan 28-4 Unit #223	S/2 33-28N-4W	Fruitland Coal
San Juan 28-4 Unit #224	S/2 36-28N-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

A handwritten signature in black ink, appearing to be 'KB' with a large flourish extending to the right.

Kent Beers
Attorney-in-Fact

KB:LD:jf

Enclosures

85+

San Juan 28-4 Unit, 3.0

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Oil Company

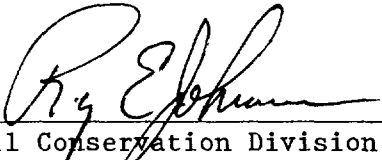
United Western Energy Corp.

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)

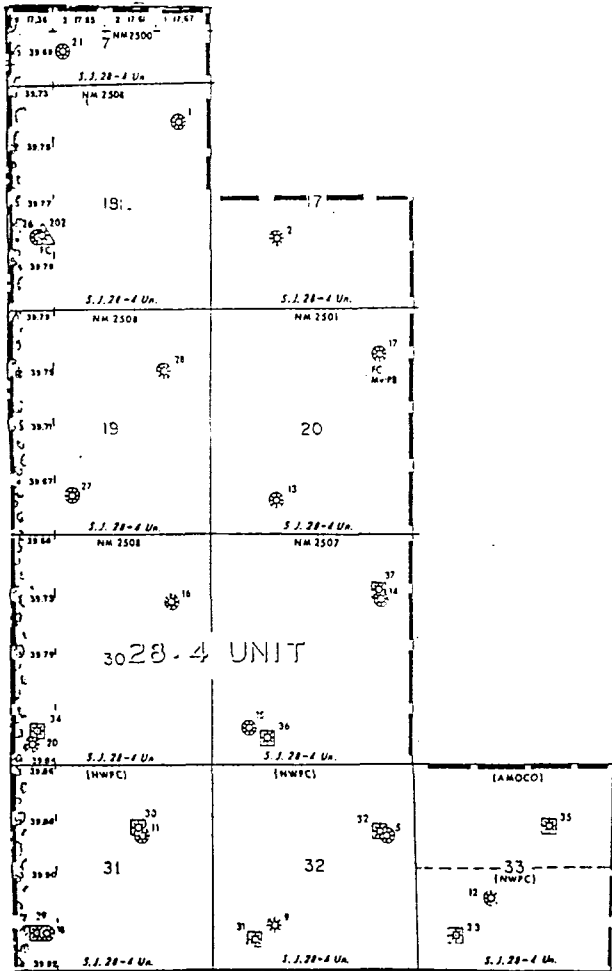
DATED: _____

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

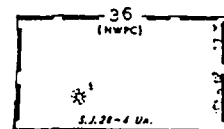
DATED: 3-6-90

The foregoing approvals for the 1990 Plan of Development for the San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

R 4 W



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SAN JUAN 28-4 UNIT

☼ Pictured Cliffs

☼ Chacra

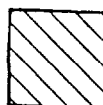
☼ Mesaverde

◆ Gallup

☼ Dakota



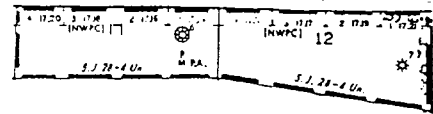
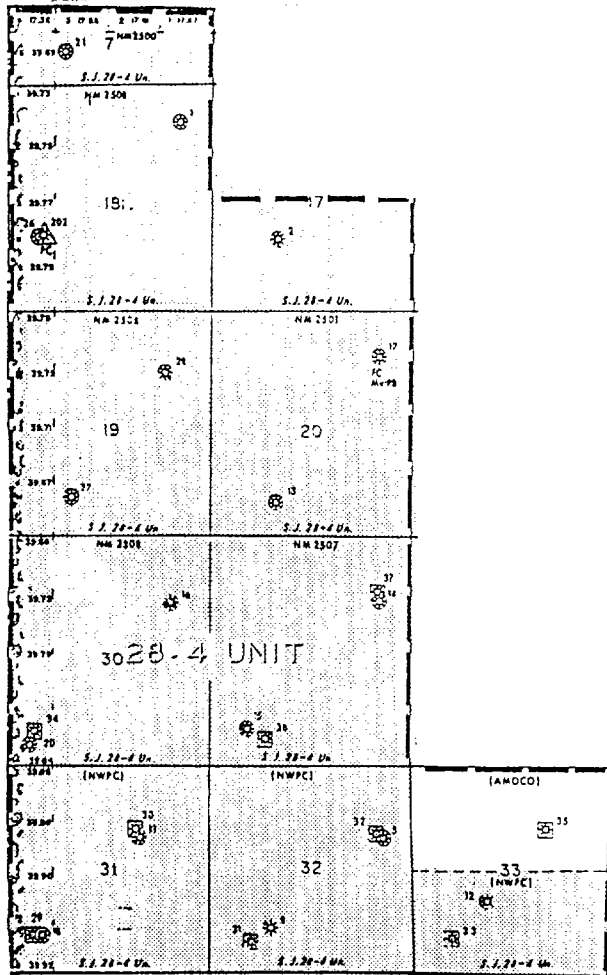
PICTURED CLIFFS PARTICIPATING AREA
1st Expansion Effective 12/1/55



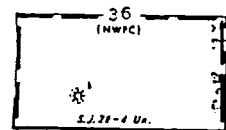
OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL
LAND DEPARTMENT

R 4 W



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SAN JUAN 28-4 UNIT

☼ Pictured Cliffs

☼ Chacra

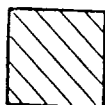
☼ Mesaverde

◆ Gallup

☼ Dakota



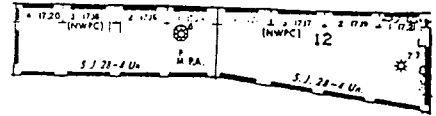
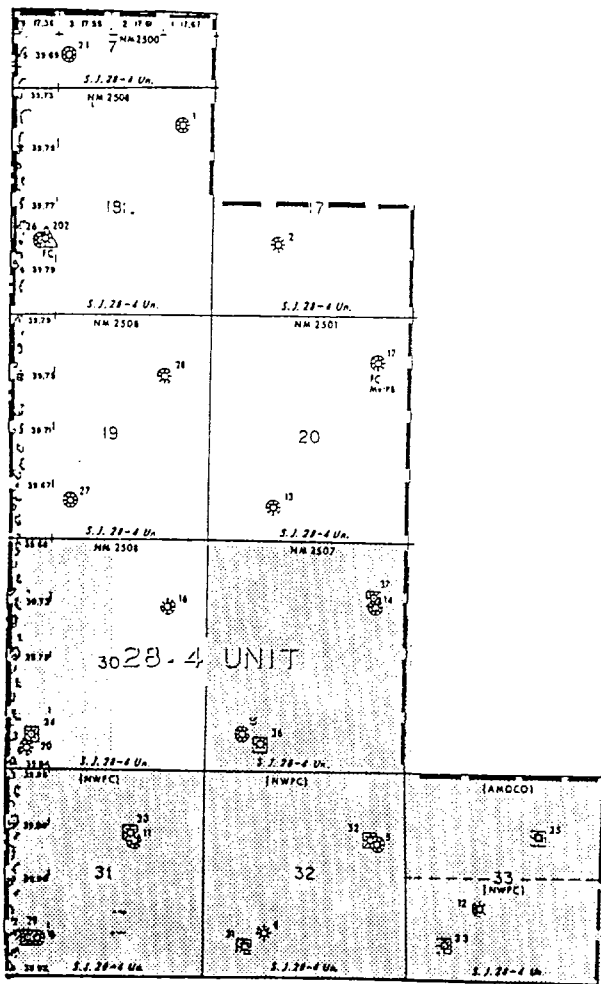
MESAVERDE PARTICIPATING AREA
26th Expansion Effective 8/1/61



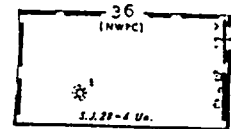
OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL
LAND DEPARTMENT

R 4 W



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SAN JUAN 28-4 UNIT

☼ Pictured Cliffs

☼ Chacra

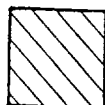
☼ Mesaverde

◆ Gallup

☼ Dakota



DAKOTA PARTICIPATING AREA
20th Expansion Effective 11/1/79



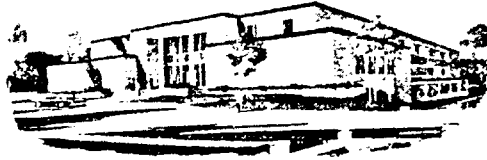
OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL
LAND DEPARTMENT
March 1, 1980

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

May 4, 1989

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

El Paso Natural Gas Company
P.O. Box 4289
Farmington, New Mexico 87499

#551

ATTN: Kent Beers

RE: First Amendment
1989 Plan of Development
San Juan 28-4 Unit
Rio Arriba County, New Mexico

Gentlemen:

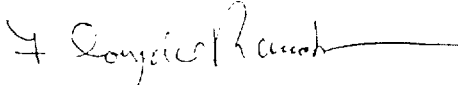
The Commissioner of Public Lands has this date approved the above captioned First Amendment to the 1989 Plan of Development. Our approval is subject to like approval by all other appropriate agencies.

Enclosed is an approved copy for your files. If we may be of further help, please do not hesitate to contact us.

Very truly yours,

W.R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

BY:


FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5749

El Paso
Natural Gas Company

P.O. Box 4289
Farmington, NM 87499-4289
Phone: 505-326-9775

April 26, 1989

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

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

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

APR 28 1989

OIL CON

#551

Re: San Juan 28-4 Unit, #14-08-001-933
First Amendment to 1989 Drilling Program
Rio Arriba County, New Mexico

Gentlemen:

By letter dated February 28, 1989 you were furnished the 1989 Drilling Program which provided for the drilling of no wells.

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as unit operator, hereby submits a Drilling Program providing for the drilling of wells during 1989. The wells proposed to be drilling are as follows:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-4 Unit #201	N/2 Sec. 18, T28N, R4W	Fruitland Coal
San Juan 28-4 Unit #202	S/2 Sec. 18, T28N, R4W	Fruitland Coal
San Juan 28-4 Unit #204	S/2 Sec. 19, T28N, R4W	Fruitland Coal
San Juan 28-4 Unit #207	N/2 Sec. 29, T28N, R4W	Fruitland Coal

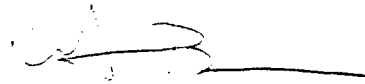
April 26, 1989

The working interest owners have been contacted and advised of the First Amendment to the Drilling Program in accordance with the Unit Agreement.

Please signify your approval, as required under Section 10 in the Unit Agreement, of the First Amendment to the Drilling Program by executing a copy of this letter in the space provided on the attached sheet. We would appreciate an approved copy being furnished to the undersigned.

The working interest owners on the attached sheet are being provided copies of this letter.

Yours very truly,

A handwritten signature in dark ink, appearing to read 'Kent Beers', followed by a horizontal line extending to the right.

Kent Beers
Attorney-in-Fact

KOB:LD:jf

Attachments

Doc. 281+

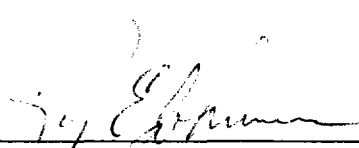
San Juan 28-4, 3.0

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: 5-1-89

The foregoing approvals for the First Amendment to the 1989 Drilling Program
for the San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

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

Re: San Juan 28-4 Unit, #14-08-001-933
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 28-4 Unit, filed a Drilling Program concerning the captioned Unit for the calendar year 1988 providing for the drilling of no wells.

As of this date, the total number of active wells within the San Juan 28-4 Unit is as follows:

Pictured Cliffs, Commercial	2
Mesaverde, Commercial	18
Dakota, Commercial	<u>9</u>

29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a no well Drilling Program for the calendar year 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.

February 28, 1989

Attached are Participating Area Maps for the Pictured Cliffs, Mesaverde, and Dakota 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 *TFH*

AA:TFH:tlm
Enclosures
San Juan 28-4 Unit, 3.0
Doc. 180+

xc: Commissioner of Public Lands (Information only)
State of New Mexico
P.O. Box 1148
Santa Fe, NM 87501

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: 3-7-89

The foregoing approvals for the 1989 Drilling Program for the San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

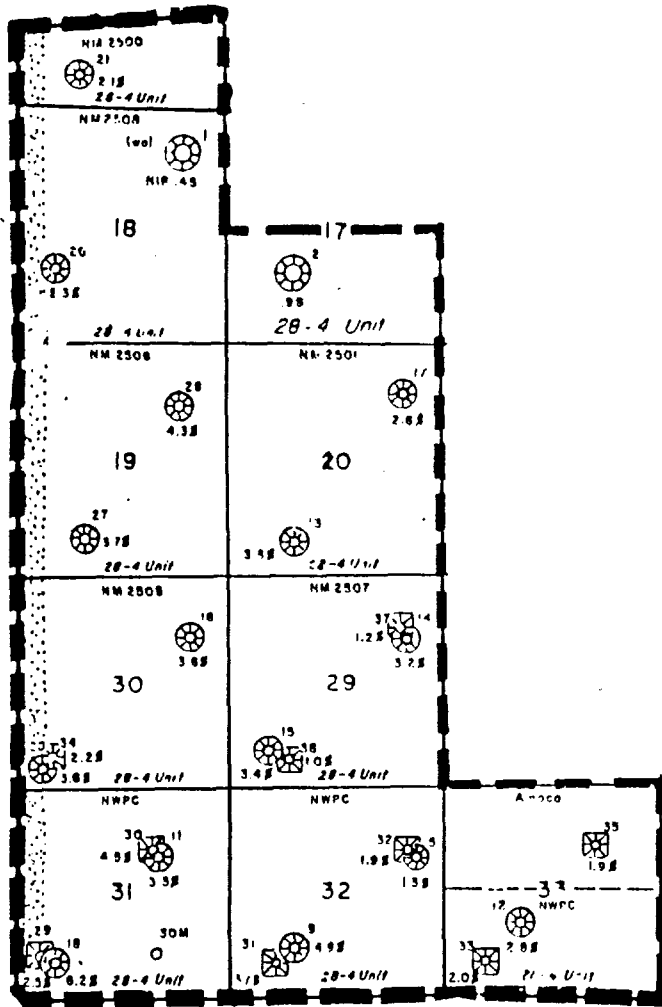
MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Oil Company

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

R 4 W



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28
N



SAN JUAN 28-4 UNIT

☼ Pictured Cliffs

☼ Chacra

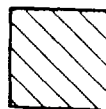
☼ Mesaverde

◆ Gallup

☼ Dakota



PICTURED CLIFFS PARTICIPATING AREA
1st Expansion Effective 12/1/55

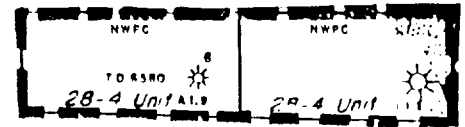
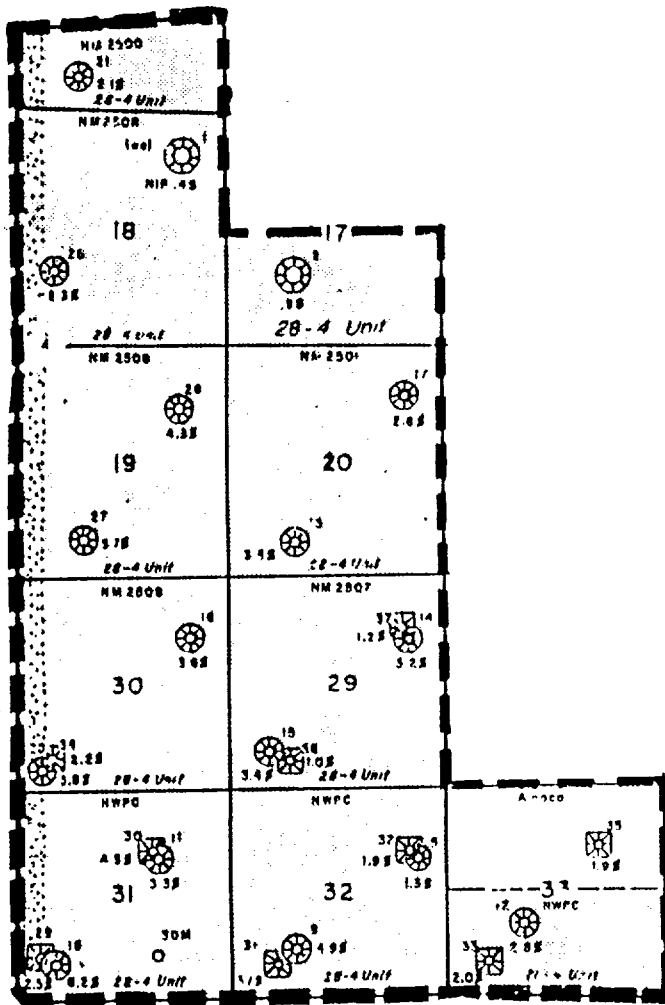


OIL & GAS OWNED BY
STATE OF NEW MEXICO

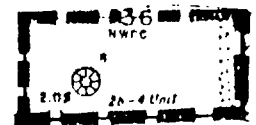
MERIDIAN OIL

LAND DEPARTMENT
February 28, 1989

R 4 W



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SAN JUAN 28-4 UNIT

☼ Pictured Cliffs

⊗ Chacra

⊗ Mesaverde

◆ Gallup

⊗ Dakota



MESAVERDE PARTICIPATING AREA
26th Expansion Effective 8/1/61



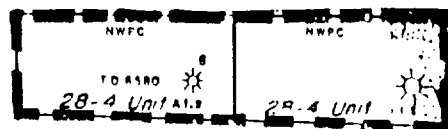
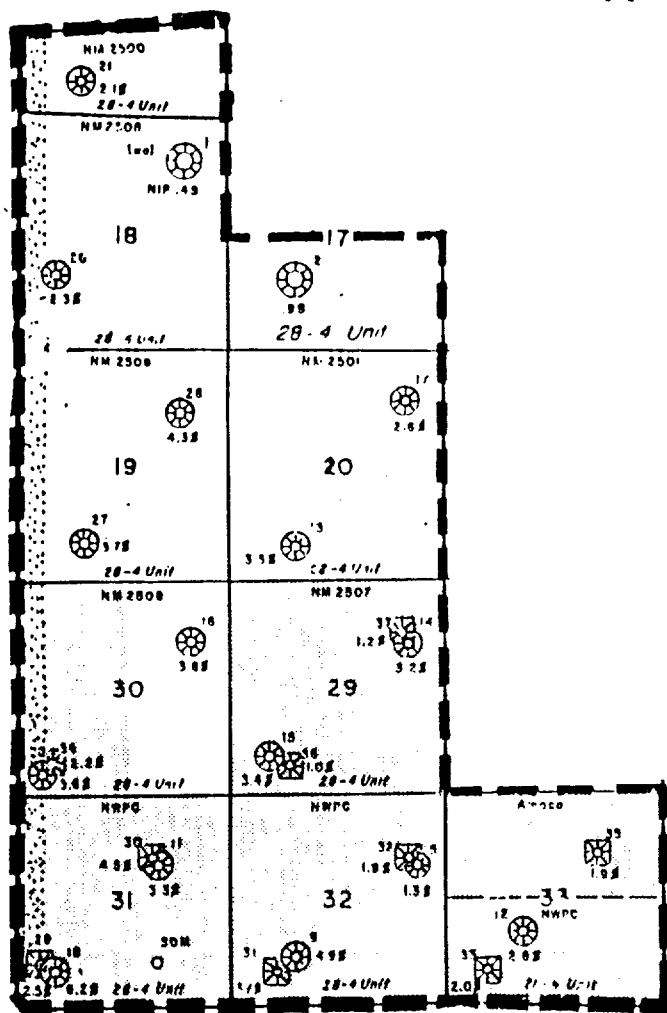
OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL

LAND DEPARTMENT

February 28, 1989

R 4 W



T
28
N



SAN JUAN 28-4 UNIT

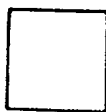
☼ Pictured Cliffs

☼ Chacra

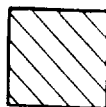
☼ Mesaverde

◆ Gallup

☼ Dakota



DAKOTA PARTICIPATING AREA
20th Expansion Effective 11/1/79



OIL & GAS OWNED BY
STATE OF NEW MEXICO

MERIDIAN OIL

LAND DEPARTMENT
February 28, 1989

MERIDIAN OIL

June 2, 1988

551

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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1988 Drilling Program

Gentlemen:

The 1988 Drilling Program for the San Juan 28-4 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,



David M. Poage
Senior Staff Landman

DMP:gm

San Juan 28-4 Unit, 3.0
Document #30+

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Oil Company

United Western Energy Corporation

El Paso
Natural Gas Company

P. O. BOX 4289
FARMINGTON, NEW MEXICO 87499
PHONE 505-325-2541

February 18, 1988

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 28-4 Unit, #14-08-001-933
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 San Juan 28-4 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 28-4 Unit is as follows:

Pictured Cliffs, Commercial	2
Mesaverde, Commercial	18
Dakota, Commercial	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1988.

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.

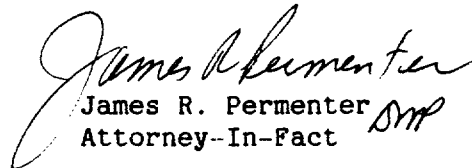
El Paso Natural Gas Company plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

February 18, 1988

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.

Very truly yours,

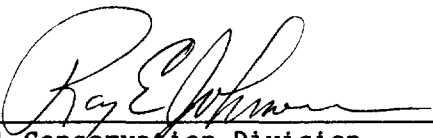

James R. Permenter
Attorney-In-Fact *JRP*

JRP:tlm
Enclosure
San Juan 28-4 Unit, 3.0
Document 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 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 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Oil Company

United Western Energy Corporation

NOV - 2 1987
MERIDIAN OIL

October 28, 1987

Bureau of Land Management
South Central Region
435 Montan 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

The 1987 Drilling Program for the San Juan 28-4 Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management
Oil Conservation Division

10-21-87
9-30-87

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

Yours very truly,



David M. Poage
Senior Landman

DMP:gm
San Juan 28-4 Unit, 3.0
Doc. #0325L

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Oil Company

United Western Energy Corporation

August 26, 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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

By letter dated March 19, 1986, El Paso Natural Gas Company, as Unit Operator for the San Juan 28-4 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 28-4 Unit is as follows:

Pictured Cliffs, Commercial	2
Mesaverde, Commercial	18
Dakota, Commercial	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1987.

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.

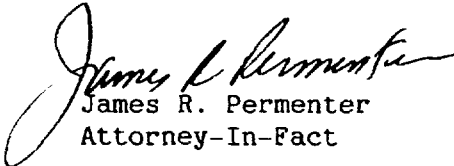
El Paso Natural Gas Company plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

August 26, 1987

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.

Very truly yours,



James R. Permenter
Attorney-In-Fact

JRP:DMP:LD:gm
Enclosure
San Juan 28-4 Unit, 3.0
Document 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 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 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

MAR Oil and Gas Corporation, Inc.

Northwest Pipeline Corporation

Phillips Oil Company

United Western Energy Corporation

C O P Y

ATWOOD, MALONE, MANN & TURNER

A PROFESSIONAL ASSOCIATION
LAWYERS

JEFF. D. ATWOOD [1883-1960]
ROSS, L. MALONE [1910-1974]

P. O. DRAWER 700
SUNWEST CENTRE
ROSWELL, NEW MEXICO 88202
[505] 622-6221

CHARLES F. MALONE
RUSSELL D. MANN, P. A.
BOB F. TURNER
JOHN W. BASSETT
ROBERT E. SABIN
BRIAN W. COPPLE
ROBERT H. STRAND
STEVEN L. BELL
WILLIAM P. LYNCH
RODNEY M. SCHUMACHER
JOHN S. NELSON
R. TRACY SPROULS
FREDDIE J. ROMERO
LEE M. ROGERS, JR.
TIMOTHY A. LUCAS
ARTHUR P. BROCK
SUSAN ZELLER
VICTORIA S. ARENDS
JEFFERY D. TATUM
RUSSELL W. MALM

January 8, 1988

Frates Seeligson, Esquire
1604 National Bank of Commerce Building
San Antonio, Texas 78205

RE: Pelto Unit


Dear Mr. Seeligson:

I enclose the letter of January 7 from the Oil Conservation Division, with Order attached. This Order constitutes forced unitization of the entire unit area, both as to working and royalty interests.

When the Order is received in the companion waterflood case, it will be forwarded.

With kind regards.

Very truly yours,



Charles F. Malone

CFM:meg

Enclosures

xc: Mr. A. L. Daugherty (w/enc.)
Ms. Florine Davidson

*Thank you Mrs. Davidson
(Case # 9210 - Order R-8557)*

MERIDIAN OIL

February 19, 1987

#551

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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1987 Drilling Program

Gentlemen:

By letter dated March 19, 1986, Meridian Oil Inc., on behalf of El Paso Natural Gas Company, as Unit Operator for the San Juan 28-4 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 28-4 Unit is as follows:

Pictured Cliffs, Commercial	2
Mesaverde, Commercial	18
Dakota, Commercial	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, Meridian Oil as Unit Operator hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1987.

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

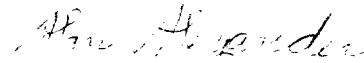
Meridian Oil plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

February 19, 1987

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.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Alan Alexander".

Alan Alexander *sm*
District Land Manager

AA:DMP:LD:gm

Enclosure

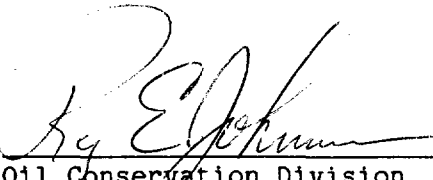
San Juan 28-4 Unit, 3.0

Document 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 Oil Conservation Division)

DATED: _____

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

DATED: 2-23-87

The foregoing approvals are for the 1987 Drilling Program for the
San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

MAR Oil and Gas Corporation, Inc.

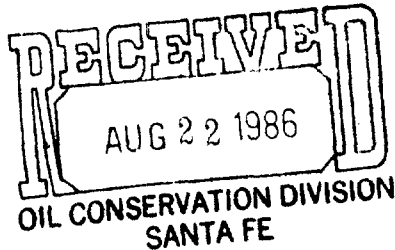
Northwest Pipeline Corporation

Phillips Oil Company

United Western Energy Corporation

MERIDIAN OIL

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



August 19, 1986

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 28-4 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 28-4 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,

A handwritten signature in cursive script that reads "Alan Alexander".

Alan Alexander
District Land Manager

AA/tlm
San Juan 28-4 Unit, 5.0
Doc. #0794L

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Trustee of Robert Critchfield

Northwest Pipeline Corporation

Phillips Oil Company

Mr. M. A. Romero

United Western Energy Corporation

#551

MERIDIAN OIL

March 19, 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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1986 Drilling Program

Gentlemen:

By letter dated June 20, 1985, El Paso Natural Gas Company, as Unit Operator, for the San Juan 28-4 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 28-4 Unit is as follows:

Pictured Cliffs, Commercial	2
Mesaverde, Commercial	18
Dakota, Commercial	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, 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.

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.

March 19, 1986

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.

Very truly yours,



Alan Alexander *DMP*
District Land Manager

AA:DMP:LD:tlm

Enclosure

San Juan 28-4 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 Oil Conservation Division)

DATED: _____

APPROVED: _____


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

DATED: 3-20-86

The foregoing approvals are for the 1986 Drilling Program for the
San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

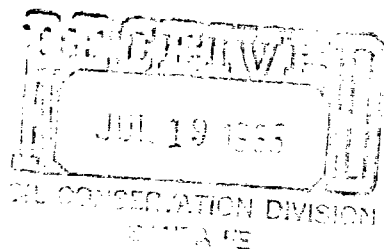
Trustee of Robert Critchfield

Northwest Pipeline Corporation

Phillips Oil Company

Mr. M. A. Romero

United Western Energy Corporation



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

SJ 28-4 Unit
3100 (015)

JUL 16 1985

#551

El Paso Exploration Company
ATTN: Mr. Alan Alexander
P.O. Box 4289
Farmington, NM 87499-4289

Gentlemen:

Two approved copies of your 1985 Plan of Development for the San Juan 28-4 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing no development drilling during 1985 was approved on this date.

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 Robert Kent at the above address or telephone (505) 766-2841.

Sincerely,

(Orig. Signed) - GARY A. STEPHENS

For District Manager

Enclosure(s)

cc:

✓ NMOCD, Santa Fe
Comm. of Pub. Lands, Santa Fe
Micrographics 943B-1
Fluids Section FRAH
File: SJ 28-4 Unit POD
O&G Chron

015:RKent:klm:7-15-85:0958M

June 20, 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 28-4 Unit, #14-08-001-933
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 28-4 Unit, filed a Drilling Program for the 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 28-4 Unit is as follows:

Pictured Cliffs	2
Mesaverde	18
Dakota	<u>9</u>
Total	29

Pursuant to Section 10 of the San Juan 28-4 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 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.

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.

June 20, 1985

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,

A handwritten signature in cursive script, appearing to read "Alan Alexander".

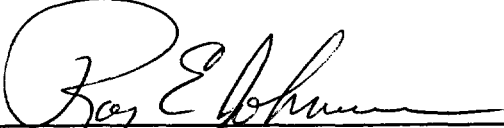
Alan Alexander
District Land Manager

AA:LD/tlm
Attachments
San Juan 28-4 Unit, 3.0
Doc. #0117L

xc: Commissioner of Public Lands
(information only)

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: 7-2-85

The foregoing approvals for the 1985 Drilling Program for the San Juan 28-4 Unit,
#14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Champlin Petroleum Company

Trustee of Robert Critchfield

Northwest Pipeline Corporation

Phillips Oil Company

Mr. M. A. Romero

United Western Energy Corporation

#551

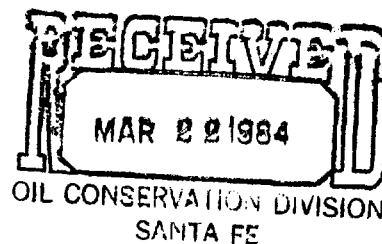
El Paso
Natural Gas Company

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 28-4 Unit #14-08-001-933
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 28-4 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 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-Commercial in Mesaverde	1
Dakota	9
	<u>29</u>

Pursuant to Section 10 of the San Juan 28-4 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 

DNC/VLG/cc
Attachment
San Juan 28-4, 3.0


cc: Commissioner of Public Lands
(Information only)

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 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (4)

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Oil Company

Phillips Petroleum Company

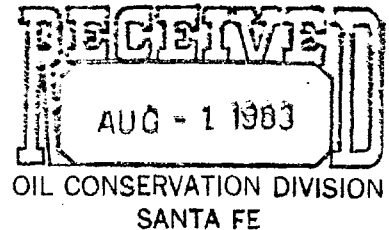
Mr. M. A. Romero

El Paso
Exploration Company

551

P. O. BOX 1492
EL PASO, 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

The 1983 Drilling Program for the San Juan 28-4 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,

A handwritten signature in cursive script that reads "Van L. Goebel".

Van L. Goebel
Landman
Land Department

VLG:cc
San Juan 28-4 Unit, 3.0

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (4)

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Oil Company

Phillips Petroleum Company

Mr. M. A. Romero



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.

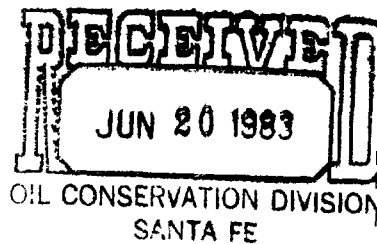
Sincerely,

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



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

June 8, 1983

551

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1983 Drilling Program

Gentlemen:

By letter dated June 4, 1982, El Paso Natural Gas Company, as Unit Operator, for the San Juan 28-4 Unit, filed a Drilling Program concerning the captioned Unit for the calendar year 1982. This Program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-Commercial in Mesaverde	1
Dakota	9
	<u>29</u>

Pursuant to Section 10 of the San Juan 28-4 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 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.

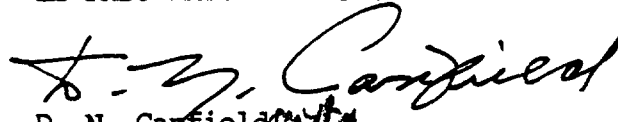
El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

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 28-4, 3.0

cc: Commissioner of Public Lands
(Information Only)

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (4)

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Oil Company

Phillips Petroleum Company

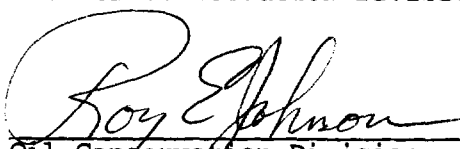
Mr. M. A. Romero

APPROVED:

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

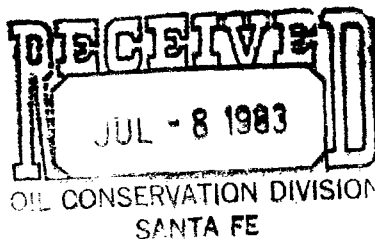
DATED: _____

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 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico



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~~ **28-4 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. SCD.**) JAMES W. SHELTON

Assistant District Manager
for Minerals

Enclosure

cc:
NMOCD ✓
Commissioner Public Lands
Farmington Resource Area (w/enclosure)
Unit File San Juan 28-4
O & G Chrono

SEUmshler:pmr:7-6-83

El Paso
Exploration Company

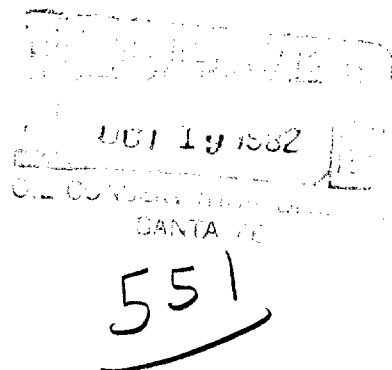
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-541-2600

October 14, 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 28-4 Unit
Rio Arriba County, New Mexico
1982 Drilling Program

Gentlemen:

Approval of our 1982 Drilling Program was received from your respective agencies on the following dates:

Minerals Management Service	6/23/82
Commissioner of Public Lands	For information only
Oil Conservation Division	7/20/82

Very truly yours,

Mary L. Broaddus
Mary L. Broaddus
Landman
Land Department

MLB:ljg
San Juan 28-4 Unit, 3.0

cc: Working Interest Owners
John Ahlm

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company
Denver, Colorado
Attention: Land Department

Amoco Production Company
Denver, Colorado
Attention: Production Company

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

July 21, 1982

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

El Paso Exploration Co.
P. O. Box 1492
El Paso, Texas 79978

Attention: D. N. Canfield

Re: San Juan 28-4 Unit
#14-08-001-933, Rio Arriba
County, New Mexico
1982 Drilling Program

551

Dear Mr. Canfield:

Enclosed please find an approved copy of the material referenced above. Such approval is contingent upon like approval by the Commissioner of Public Lands and the U. S. Minerals Management Service.

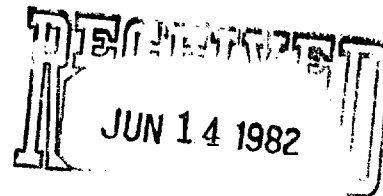
Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr

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

June 4, 1982



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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1982 Drilling Program

Gentlemen:

By letter dated November 7, 1980, El Paso Natural Gas Company, as Unit Operator for the San Juan 28-4 Unit, filed a Drilling Program covering the subject unit for the calendar year 1981. This Program provided for the drilling of the #30M well. Due to unforeseen circumstances, the well was not drilled.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-commercial in Mesaverde	1
Dakota	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 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 1981.

June 4, 1982
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 *RAH*
Attorney-In-Fact *Jim*

DNC/RJH/gs
Attachments
San Juan 28-4 Unit, 3.0

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: _____
Oil Conservation Division
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

DATE: _____

The foregoing approvals for the 1982 Drilling Program for the San Juan 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company
Denver, Colorado
Attention: Land Department

Amoco Production Company
Denver, Colorado
Attention: Production Company

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Estate of Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

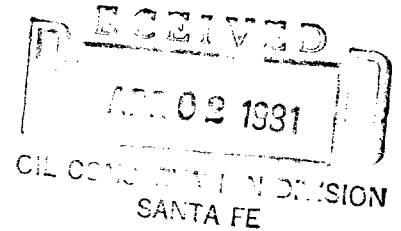
Mr. M. A. Romero



United States Department of the Interior

GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

25 MAR 1981



551

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

Gentlemen:

Three approved copies of your 1981 plan of development for the San Juan 28-4 unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of well #30M in SE $\frac{1}{4}$ sec. 31, T. 28 N., R. 4 W., was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

ORIGINAL SIGNED BY:

Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosures

cc:
NMOCD, Santa Fe (ltr only)

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 20, 1981

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

Attention: D. N. Canfield

Re: Case No. 551
San Juan 28-4 Unit
1981 Drilling Program

Gentlemen:

We hereby approve the 1981 Drilling Program for the San Juan 28-4 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

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: D. W. Canfield

Re: Case No. 551
San Juan 28-4 Unit
1981 Drilling Program

Gentlemen:

We hereby approve the 1981 Drilling Program for the San Juan 28-4 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,

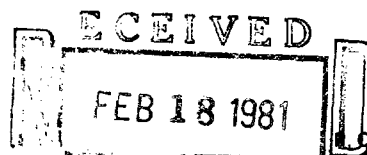
JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S - Albuquerque
Commissioner of Public Lands

C
O
P
Y

El Paso NATURAL GAS
COMPANY



OIL CONSERVATION DIVISION
SANTA FE

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

November 7, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1981 Drilling Program

Gentlemen:

By letter dated November 13, 1979, El Paso Natural Gas Company, as Unit Operator for the San Juan 28-4 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1980. 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 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-commercial in Mesaverde	1
Dakota	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following well during the calendar year of 1981.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#30M	MV: S/2 Section 31, T-28-N, R-4-W DK: E/2 Section 31, T-28-N, R-4-W	Mesaverde Infill Dakota Infill

Area Oil and Gas Supervisor
Oil Conservation Division
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,

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is fluid and cursive, with a large initial "D" and a stylized "N".

D. N. Canfield *per*
Attorney-in-Fact

DNC/JL/en
Attachments
San Juan 28-4 Unit, 3.0

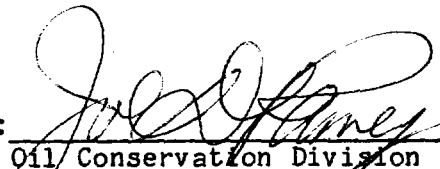
APPROVED: _____

DATE: _____

Area Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Division

APPROVED: _____

DATE: 2/20/81


Oil Conservation Division
Subject to like approval by the
United States Geological Survey

The foregoing approvals are for the 1981 Drilling Program for the
San Juan 28-4 Unit #14-08-001-1054, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero

El Paso NATURAL GAS
COMPANY

551



P. O. BOX 1042 CONSERVATION DIVISION
EL PASO, TEXAS 79978 SANTA FE
PHONE: 915-543-2600

November 7, 1980

OK
EJP
11/10/80

Area Oil and Gas Supervisor
United States Geological Survey
P. O. 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1981 Drilling Program

Gentlemen:

By letter dated November 13, 1979, El Paso Natural Gas Company, as Unit Operator for the San Juan 28-4 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1980. 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 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-commercial in Mesaverde	1
Dakota	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following well during the calendar year of 1981.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#30M	MV: S/2 Section 31, T-28-N, R-4-W	Mesaverde Infill
	DK: E/2 Section 31, T-28-N, R-4-W	Dakota Infill

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,


A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is fluid and cursive, with the first name "D." and last name "Canfield" clearly distinguishable.

D. N. Canfield *gk*
Attorney-in-Fact

DNC/JL/en
Attachments
San Juan 28-4 Unit, 3.0

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 28-4 Unit #14-08-001-1054, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

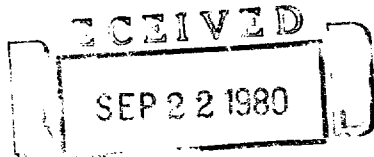
Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero

El Paso NATURAL GAS
COMPANY

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



OIL CONSERVATION DIVISION
SANTA FE September 15, 1980

Area Oil and Gas Supervisor
United States Geological Survey
P. O. Box 26124
Albuquerque, New Mexico 87125

55/

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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1980 Drilling Program

Gentlemen:

The 1980 Drilling Program for the referenced unit was approved by the regulatory agencies on the following dates:

United States Geological Survey	February 1, 1980
Oil Conservation Division	January 7, 1980

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

Very truly yours,

A handwritten signature in cursive script that reads "Jim Leon".

Jim Leon
Landman
Land Department

JL/en
SJ 28-4 Unit, 3.0

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

FEB 01 1980

551

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

Gentlemen:

Three approved copies of your 1980 plan of development for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, 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,

(ORIG. SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SRMA

Enclosure

cc: NMOCD, Santa Fe (ltr only)



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 7, 1980

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

Attention: D. N. Canfield

Re: Case No. 551
San Juan 23-4 Unit
1980 Drilling Program

Gentlemen:

We hereby approve the 1980 Drilling Program for the San Juan 28-4 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. - Roswell
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

November 13, 1979

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1980 Drilling Program

Gentlemen:

By letter dated March 9, 1979, El Paso Natural Gas Company, as Unit Operator for the San Juan 28-4 Unit, filed a Drilling Program covering the subject 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 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-commercial in Mesaverde	1
Dakota	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 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 1980.

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

November 13, 1979

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,

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is fluid and cursive, with a large initial "D" and a stylized "N".

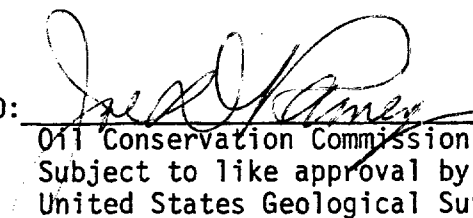
D. N. Canfield ^{bch}
Attorney-in-Fact

DNC/DCH/sfg

Attachments

San Juan 28-4 Unit, 3.0

APPROVED: _____ DATE: _____
Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

APPROVED:  _____ DATE: 11/7/80
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

The foregoing approvals are for the 1980 Drilling Program for the
San Juan 28-4 Unit #14-08-001-1054, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

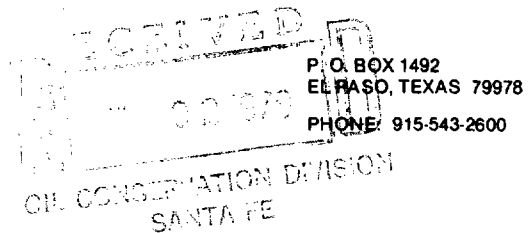
Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero

El Paso NATURAL GAS
COMPANY



March 29, 1979

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 28-4 Unit
Rio Arriba County, New Mexico
1979 DRILLING PROGRAM

Gentlemen:

The 1979 Drilling Program for the referenced unit has been approved as follows:

Oil Conservation Division March 26, 1979

United States Geological Survey March 19, 1979

A copy of this letter is being furnished to the working interest owners of the San Juan 28-4 Unit.

Very truly yours,

Jeanne L. Morrison
Associate Landman
Land Department
Energy Resource Development

JLM/sfg
SJ 28-4 Unit 3.0, 5.0

cc: SJ 28-4 Unit
Working Interest Owners

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

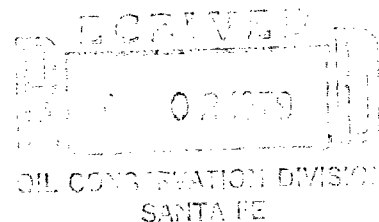
General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero



OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 26, 1979

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

Attention: D. N. Canfield

Re: Case No. 551
San Juan 28-4 Unit
1979 Drilling Program

Gentlemen:

We hereby approve the 1979 Drilling Program for the San Juan 28-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Two approved copies of the Drilling Program are 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



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

MAR 19 1979

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

no. 551

Gentlemen:

Your 1979 plan of development proposes the drilling of no additional wells for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, which was contracted effective September 1, 1977 to eliminate all lands not in a participating area. Such plan was approved on this date subject to the approval by the appropriate officials of the State of New Mexico and three approved copies are enclosed.

Sincerely yours,

(ORNL SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SRMA

Enclosures (3)

cc:
NMOCD - Santa Fe (1tr only) ← This Copy for

El Paso NATURAL GAS
COMPANY

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

March 9, 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. 551 Approve

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1979 DRILLING PROGRAM

Gentlemen:

By letter dated January 23, 1978, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-4 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1978. 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 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-commercial in Mesaverde	1
Dakota	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 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 1979.

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,

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is fluid and cursive, with a large, sweeping "D" and "C".

D. N. Canfield
Director of Land
Energy Resource Development

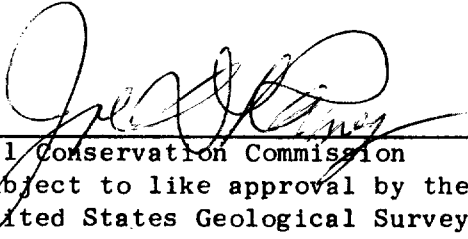
DNC/JLM/sfg
Attachments
San Juan 28-4 Unit, 3.0

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: 3/26/79

The foregoing approvals are for the 1979 Drilling Program for the
San Juan 28-4 Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero

El Paso NATURAL GAS
COMPANY

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

February 15, 1978

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: San Juan 28-4 Unit
Rio Arriba County, New Mexico
1978 DRILLING PROGRAM

Gentlemen:

The 1978 Drilling Program for the referenced unit was approved by the regulatory bodies on the following dates:

United States Geological Survey	February 3, 1978
Commissioner of Public Lands	Not Applicable
Oil Conservation Commission	February 8, 1978

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

Very truly yours,



Derold Maney
Landman
Land Department
Energy Resource Development

DM:jm
San Juan 28-4 Unit, 3.0

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero



United States Department of the Interior

GEOLOGICAL SURVEY
P. O. Box 26124
Albuquerque, New Mexico 87125

FEB 14 1978

El Paso Natural Gas Company
Attention: Mr. Derold Maney
P. O. Box 1492
El Paso, Texas 79970

No. 551

Gentlemen:

Our letter of January 13, 1978, approved the contraction of the San Juan 20-4 unit area, effective as of September 1, 1977.

Copies of the revised Exhibit B sent out with the above approval letter should have been replaced with those corrected exhibits sent by your December 9, 1977, letter. Accordingly, those Exhibit Bs with our January 13, 1978 letter should now be destroyed and replaced with the revised October 1977 Exhibit B accompanying this letter.

Sincerely yours,

(ORIG. SGD.) GENE F. DANIEL

GENE F. DANIEL
Acting Area Oil & Gas Supervisor

Enclosure

cc:
BLM, Santa Fe (w/Ex B)
NMOCC, Santa Fe (ltr. only)
Com. Pub. Lands, Santa Fe (ltr. only)

ILLEGIBLE

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 8, 1978

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

Attention: D. N. Canfield

Re: Case No. 551
San Juan 28-4 Unit
1978 Drilling Program

Gentlemen:

We hereby approve the 1978 Drilling Program for the San Juan 28-4 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.

Very truly yours,

JOE D. RAMEY
Secretary-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

FEB - 6 1978
CONSERVATION COMMISSION
Santa Fe

FEB 03 1978

El Paso Natural Gas Company
Attention: Mr. D. N. Canfield
P. O. Box 1492
El Paso, Texas 79973

700,551

Gentlemen:

The 1978 plan of development submitted for the San Juan 28-4 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 no additional wells.

Three approved copies are enclosed.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

AREA OIL AND GAS SUPERVISOR, SRMA

Enclosures

cc:

NMOCC, Santa Fe (ltr. only)

Com. Pub. Lands, Santa Fe (ltr. only)

← This Copy for

ILLEGIBLE

El Paso NATURAL GAS
COMPANY

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

January 23, 1978

Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

No. 551

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

Re: San Juan 28-4 Unit #14-08-001-933
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 28-4 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1977. 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 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual, which is Commercial in Pictured Cliffs and Non-commercial in Mesaverde	1
Dakota	9
	<u>29</u>

Pursuant to Section 10 of the San Juan 28-4 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.

Regional Oil & Gas Supervisor
Oil Conservation Commission
Page Two

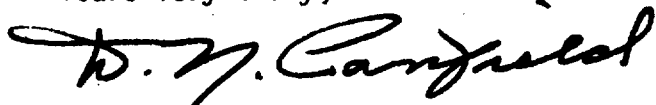
All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

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.

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/DM/ag
Attachments
San Juan 28-4 Unit, 3.0

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation

Phillips Petroleum Company

M. A. Romero



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87105

JAN 13 1978

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

No. 551

Gentlemen:

Your letter of December 9, 1977, correctly describes the lands remaining in the San Juan 28-4 unit area following the contraction requested by the Director's letter of September 2, 1977. The terms of the agreement, as expressed in Section 2, have been complied with and pursuant to Section 2(d), the contraction is hereby approved effective as of September 1, 1977. Such approval is subject to like approval by the Commissioner of Public Lands and the Oil Conservation Commission for the State of New Mexico.

Copies of the revised Exhibit B, which accompanied your above described letter, reflects the acreage, percentage and kind of ownership of oil and gas interests in all lands remaining in the San Juan 28-4 unit agreement following contraction. Such Exhibit, effective September 1, 1977, is hereby accepted for the record and copies are being distributed to the appropriate Federal offices. Two copies are returned herewith.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

AREA OIL AND GAS SUPERVISOR, SRMA

Enclosures

cc:
BLM, Santa Fe (w/encl.)
NMOCC, Santa Fe (ltr. only) ← This copy for
Com. Pub. Lands, Santa Fe (ltr. only)

ILLEGIBLE

December 16, 1977

United States Geological Survey
Conservation Division
Post Office Box 2612-X
Albuquerque, New Mexico 87125

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 28-4 Unit

Gentlemen:

By letter dated December 9, 1977 you were furnished a Revised Exhibit "B" covering the referenced unit. Please destroy this exhibit as several errors were found. The necessary changes have been made and enclosed are two (2) corrected copies of the Exhibit "B".

We apologize for any inconvenience this may have caused you.

Yours very truly,



Derold Maney
Landman
Land Department
Energy Resource Development

DM/mb

Enclosures

San Juan 28-4 Unit 1.0, 5.0

Cc: Working Interest Owners

DEC 22 1977

no. 551

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero

EXHIBIT "B"

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in all lands in the San Juan 28-4 Unit Agreement

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
FEDERAL LANDS - T-28-N, R-4-W							
1A	Sec. 36: S/2	320.00	SF 079525-A 8-1-48 5 years	USA 12-1/2% All	Northwest Pipeline Corporation	3.7500%	ALL RIGHTS TO BASE OF MV: Northwest Pipeline Corp. All ALL RIGHTS BELOW BASE MV: Champlin Petroleum Co. All
2	Sec. 7: Lots 1,2, 3,4,5, SE/4 SW/4, S/2 SE/4	229.88 NM 2500	SF 079727 11-1-48 5 years	USA 12-1/2% All	E1 Paso Natural Gas Company	4.3750%	GAS RIGHTS BEFORE PAYOUT: E1 Paso Natural Gas Co. All OIL RIGHTS BEFORE PAYOUT: General American Oil Co. All GAS RIGHTS AFTER PAYOUT: E1 Paso Natural Gas Co. 90.00% M. A. Romero) Robert Critchfield) 10.00% OIL RIGHTS AFTER PAYOUT: General American Oil Co. 90.00% M.A. Romero) Robert Critchfield) 10.00%

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-28-N, R-4-W</u>							
3	Sec. 11: Lots 1,2,3, 4, S/2 S/2 Sec. 12: Lots 1,2,3, 4, S/2 S/2	457.40	SF 079727-A 11-1-48 . 5 years	USA 12-12% All	Northwest Pipeline Corporation	5.0000%	GAS RIGHTS TO BASE OF MV: Northwest Pipeline Corp. All BELOW BASE OF MESAVERDE: Phillips Petroleum Co. All
5	Sec. 17: S/2 Sec. 20: All	960.00	SF 079729 11-1-48 5 years	USA 12-1/2% All	El Paso Natural Gas Company	4.375%	GAS RIGHTS BEFORE PAYOUT: El Paso Natural Gas Co. All OIL RIGHTS BEFORE PAYOUT: General American Oil Co. All GAS RIGHTS AFTER PAYOUT: El Paso Natural Gas Co. 90% M. A. Romero) Robert Critchfield) 10% OIL RIGHTS AFTER PAYOUT: General American Oil Co. 90% M. A. Romero) Robert Critchfield) 10%

<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>
LANDS - T-28-N, R-4-W Continued:						
Sec. 32: A11	960.00	SF 079731	USA 12-1/2%	Northwest Pipeline Corporation	2.50%	GAS RIGHTS TO BASE OF MV: A11
Sec. 33: S/2		11-1-48	A11			Northwest Pipeline Corp. A11
		5 years				GAS RIGHTS BELOW BASE OF MV & ALL OIL RIGHTS: A11
				Amoco Production Co.		Amoco Production Co. A11
Sec. 33: N/2	320.00	SF 079731-A	USA 12-1/2%	Amoco Production Co.	2.50%	ALL RIGHTS: A11
		11-1-48	A11			Amoco Production Co. A11
		5 years				
Sec. 31: Lots 1,2,3, 4, E/2 W/2, E/2	639.56	SF 079732	USA 12-1/2%	Northwest Pipeline Corporation	2.5000%	GAS RIGHTS TO BASE OF MV: A11
		11-1-48	A11			Northwest Pipeline Corp. A11
		5 years				GAS RIGHTS BELOW BASE OF MV & ALL OIL RIGHTS: A11
				Amoco Production Co.		Amoco Production Co. A11
Sec. 18: Lots 1,2,3, 4, E/2 W/2, E/2	1,917.00	NM 03862	USA 12-1/2%	E1 Paso Natural Gas Company	4.375%	GAS RIGHTS BEFORE PAYOUT: A11
		11-1-48	A11			E1 Paso Natural Gas Co. A11
		5 years				OIL RIGHTS BEFORE PAYOUT: A11
Sec. 19: Lots 1,2,3,4 E/2 W/2, E/2						General American Oil Co. A11
Sec. 30: Lots 1,2,3,4, E/2 W/2, E/2						GAS RIGHTS AFTER PAYOUT: 90%
						E1 Paso Natural Gas Co. 90%
						M. A. Romero) 10%
						Robert Critchfield)
						OIL RIGHTS AFTER PAYOUT: 90%
						General American Oil Co. 90%
						M. A. Romero) 10%
						Robert Critchfield)

<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>
FEDERAL LANDS - T-28-N, R-4-W Continued:							
10	Sec. 29: A11	640.00	NM 03863 11-1-48 5 years	USA 12-1/2% A11	El Paso Natural Gas Company	4.375%	GAS RIGHTS BEFORE PAYOUT: A11 El Paso Natural Gas Co. OIL RIGHTS BEFORE PAYOUT: A11 General American Oil Co. GAS RIGHTS AFTER PAYOUT: 90% El Paso Natural Gas Co. M.A. Romero) Robert Critchfield) 10% OIL RIGHTS AFTER PAYOUT: 90% General American Oil Co. M.A. Romero) Robert Critchfield) 10%

8 FEDERAL LAND TRACTS - 6,443.84

RECAPITULATION

	<u>Number of Tracts</u>	<u>Acreage</u>	<u>Percentage</u>
FEDERAL LAND	8	6,443.84	100.00%
STATE LAND	0	None	None
PATENTED LAND	<u>0</u>	<u>None</u>	<u>None</u>
Total	8	6,443.84	100.00%

El Paso NATURAL GAS
COMPANY

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

01:1977
December 9, 1977

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: San Juan 28-4 Unit

Gentlemen:

In accordance with letter of September 2, 1977 from the United States Geological Survey, El Paso Natural Gas Company as Unit Operator of the captioned unit hereby contracts the unit so that the unit, will consist of the following described lands:

T-28-N, R-4-W N.M.P.M.

Sections: 7, 11, 12, 18, 19, 20, 29, 30, 31, 32, 33: All

Sections: 17, 36: S/2

The reason for the contraction is to comply with the demand made by the United States Geological Survey. The effective date of the contraction is September 1, 1977.

All working interest owners have been advised of the contraction and all objections have been sent to the United States Geological Survey.

Enclosed is a Revised Exhibit "B" showing the ownership in the lands now constituting the unit area.

Regional Oil & Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission

- 2 -

December , 1977

If anything futher is required of El Paso, as Unit Operator, please advise.

Yours very truly,

A handwritten signature in black ink, appearing to read "D. N. Canfield". The signature is written in a cursive style with a large, sweeping "D" and "C".

D. N. Canfield
Director of Land
Energy Resource Development

DNC:DM:is
Enclosure
SJ 28-4, 5.0

c: Working Interest Owners
San Juan 28-4 Unit

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero

EXHIBIT "B"

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas
Interests in all lands in the San Juan 28-4 Unit Agreement

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-28-N, R-4-W

1A	Sec. 36: S/2	320.00	SF 079525-A 8-1-48 5 years	USA 12-1/2% A11	Northwest Pipeline Corporation	3.7500%	
2	Sec. 7: Lots 1,2, 3,4,5, SE/4 SW/4, S/2 SE/4	229.88 NM 2500	SF 079727 11-1-48 5 years	USA 12-1/2% A11	E1 Paso Natural Gas Company	4.3750%	

ALL RIGHTS TO BASE OF MV:
Northwest Pipeline Corp. A11
ALL RIGHTS BELOW BASE MV:
Champion Petroleum Co. A11

GAS RIGHTS BEFORE PAYOUT:
E1 Paso Natural Gas Co. A11
OIL RIGHTS BEFORE PAYOUT:
General American Oil Co. A11
GAS RIGHTS AFTER PAYOUT:
E1 Paso Natural Gas Co. 90.00%
M. A. Romero)
Robert Critchfield) 10.00%
OIL RIGHTS AFTER PAYOUT:
General American Oil Co. 90.00%
M. A. Romero)
Robert Critchfield) 10.00%

<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-28-N, R-4-W</u>							
3		1,097.40	SF 079727-A	USA 12-12%	Northwest Pipeline Corporation	5.0000%	GAS RIGHTS TO BASE OF MV: Northwest Pipeline Corp. BELOW BASE OF MESAVERDE: Phillips Petroleum Co.
	Sec. 11: Lots 1,2,3, 4, S/2 S/2		11-1-48 .	A11			A11
	Sec. 12: Lots 1,2,3, 4, S/2 S/2		5 years				A11
5		1,600.00	SF 079729	USA 12-1/2%	E1 Paso Natural Gas Company	4.375%	GAS RIGHTS BEFORE PAYOUT: E1 Paso Natural Gas Co. OIL RIGHTS BEFORE PAYOUT: General American Oil Co. GAS RIGHTS AFTER PAYOUT: E1 Paso Natural Gas Co. M. A. Romero) Robert Critchfield) OIL RIGHTS AFTER PAYOUT: General American Oil Co. M. A. Romero) Robert Critchfield)
	Sec. 17: S/2		11-1-48	A11			A11
	Sec. 20: A11		5 years				10%
	Sec. 21: A11						90%
							10%

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-2S-N, R-4-W Continued:

7	Sec. 32: A11	960.00	SF 079731	USA 12-1/2%	Northwest Pipeline Corporation	2.50%	GAS RIGHTS TO BASE OF MV: Northwest Pipeline Corp. A11 GAS RIGHTS BELOW BASE OF MV & ALL OIL RIGHTS: Amoco Production Co. A11
	Sec. 33: S/2		11-1-48 5 years	A11			

7-A	Sec. 33: N/2	320.00	SF 079731-A	USA 12-1/2%	Amoco Production Co.	2.50%	ALL RIGHTS: Amoco Production Co. A11
			11-1-48 5 years	A11			

8	Sec. 31: Lots 1,2,3, 4, E/2 W/2, E/2	639.56	SF 079732	USA 12-1/2%	Northwest Pipeline Corporation	2.5000%	GAS RIGHTS TO BASE OF MV: Northwest Pipeline Corp. A11 GAS RIGHTS BELOW BASE OF MV & ALL OIL RIGHTS: Amoco Production Co. A11
			11-1-48 5 years	A11			

9	Sec. 18: Lots 1,2,3, 4, E/2 W/2, E/2	1,917.00	NM 03862	USA 12-1/2%	E1 Paso Natural Gas Company	4.375%	GAS RIGHTS BEFORE PAYOUT: E1 Paso Natural Gas Co. A11 OIL RIGHTS BEFORE PAYOUT: General American Oil Co. A11 GAS RIGHTS AFTER PAYOUT: E1 Paso Natural Gas Co. 90%
	Sec. 19: Lots 1,2,3,4 E/2 W/2, E/2		11-1-48 5 years	A11			M. A. Romero) Robert Critchfield) 10%
	Sec. 30: Lots 1,2,3,4, E/2 W/2, E/2						OIL RIGHTS AFTER PAYOUT: General American Oil Co. 90%
							M. A. Romero) Robert Critchfield) 10%

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-28-N, R-4-W Continued:

10	Sec. 29: A11	600.00	NM 03863 11-1-48 5 years	USA 12-1/2% A11	E1 Paso Natural Gas Company	4.375%	GAS RIGHTS BEFORE PAYOUT: E1 Paso Natural Gas Co. A11 OIL RIGHTS BEFORE PAYOUT: General American Oil Co. A11 GAS RIGHTS AFTER PAYOUT: E1 Paso Natural Gas Co. 90% M.A. Romero) Robert Critchfield) 10% OIL RIGHTS AFTER PAYOUT: General American Oil Co. 90% M.A. Romero) Robert Critchfield) 10%
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8 FEDERAL LAND TRACTS - 7,683.84

RECAPITULATION

	<u>Number of Tracts</u>	<u>Acreage</u>	<u>Percentage</u>
FEDERAL LAND	8	7,044.28	100.00%
STATE LAND	0	None	None
PATENTED LAND	<u>0</u>	<u>None</u>	<u>None</u>
Total	8	7,633.84	100.00%



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 28-4 unit agreement, Rio Arriba County, New Mexico. Such plan proposes no drilling during calendar year 1977.

The San Juan 28-4 unit agreement embracing 16,733.16 acres, more or less, was approved by the Acting Director, U. S. Geological Survey, on July 24, 1953, effective as of the date of approval. Since approval three participating areas have been established. The initial Mesaverde participating area was approved effective as of July 24, 1953, embracing 319.48 acres. Effective as of November 1, 1961, the twelfth expansion enlarged the Mesaverde participating area to 5,666.44 acres. The initial Pictured Cliffs participating area embracing 228.72 acres was approved effective as of September 2, 1955. The first expansion enlarged the Pictured Cliffs participating area to 457.40 acres, effective December 1, 1955. The initial Dakota participating area was approved effective as of October 10, 1966, embracing 319.56 acres. The most recent enlargement, the seventh revision, enlarged the Dakota participating area to 2,878.60 acres, effective December 1, 1973. All lands within the participating areas are committed to the unit agreement.

Effective as of October 29, 1959, those leases no part of which were within a participating area were automatically eliminated from the unit, pursuant to Section 22 of the unit agreement, thereby reducing the unit area to 10,013.16 acres, more or less. There are currently 3,569.32 acres, more or less, within the unit area which are not within a participating area. The most recent revision bringing

nonparticipating lands into a participating area was the fifth Dakota revision, effective August 1, 1972, almost five years ago. Accordingly, inasmuch as the nonparticipating 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 one Mesaverde or Dakota well on lands outside the existing participating areas, or (2) that you advise this office of plans to contract the unit to the participating areas. 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 28-4 unit agreement should not be contracted to eliminate all lands not in a participating area.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Area Oil and Gas Supervisor

cc: BLM, Santa Fe
 NMOCC, Santa Fe ← This Copy for
 Comm. Pub. Lands, Santa Fe

El Paso NATURAL GAS
COMPANY

SEP 29 1977

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

September 27, 1977

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:

Re: San Juan 28-4 Unit

In accordance with letter of September 2, 1977 from the United States Geological Survey, 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 following described lands:

T-28-N, R-4-W N.M.P.M.

Sections: 7, 11, 12, 18, 19, 20, 29, 30, 31, 32, 33: All

Sections: 17, 33, 36: S/2

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 September 1, 1977.

In accordance with Paragraph 2(b) of the San Juan 28-4 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

Regional Oil & Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
September 27, 1977
Page Two

the Supervisor, United States 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.

Yours very truly,

A handwritten signature in cursive script, appearing to read "D. N. Canfield".

D. N. Canfield
Director of Land
Energy Resource Development

DNC:DM:is

San Juan 28-4 Unit, 1.0, 5.0
San Juan 28-4 Working Interest Owners

SAN JUAN 28-4 UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Phillips Petroleum Company

Mr. M. A. Romero



United States Department of the Interior

GEOLOGICAL SURVEY
Western Bank Bldg., Room 815
505 Marquette, NW
Albuquerque, New Mexico 87102

December 29, 1976

El Paso Natural Gas Company
Attention: Mr. Don Wadsworth
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Your 1976 Plan of Development and Operation for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, was received in this office on January 7, 1976. Such plan provided no additional development during the year. Our letter of May 28, 1976, requested justification for no additional development and several joint conversations and conferences followed during the balance of the year with no definitive conclusion.

Authority for continuation of operations within the unitized area is derived from an approved Plan of Development and Operations, pursuant to Section 10 of the unit agreement. Accordingly, this office hereby accepts your 1976 Plan for record purposes. As stated previously, the plan is considered less than adequate inasmuch as there appears to be one or more participating areas which are not fully developed within the unitized area and no tangible justification is provided for the absence of additional development drilling in those areas.

You are requested to submit a 1977 Plan of Development and Operation for the San Juan 28-4 unit within 60 days of the receipt of this letter. Such plan, in order to receive favorable consideration by this office, must contain a firm commitment for additional development drilling absent tangible documentation of full development of the unitized area.

Sincerely yours,

JAMES W. SUTHERLAND
Area Oil and Gas Supervisor

cc: Durango (w/cy plan) This Copy
NMOCC, Santa Fe
Com. Pub. Lands, Santa Fe

JAGILLHAM:lm:122976

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

551

March 18, 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 28-4 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 providing for the drilling of no wells for the San Juan 27-4 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,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: United States Geological Survey
Box 1857
Roswell, New Mexico

January 2, 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 28-4 Unit #14-08-001-933, Rio Arriba
County, New Mexico - 1976 DRILLING PROGRAM

Gentlemen:

By letter dated October 23, 1974, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned unit for the calendar year 1976. This program provided for the drilling of three (3) Dakota wells, two in 1975 and one prior to the end of 1974. Due to pipe shortages and unavailability of rigs during 1974 and 1975, drilling in the San Juan Basin was delayed. These delays and the increasing shortage of gas necessitated a revaluation of our proposed drilling programs in the San Juan Basin so that the wells proposed for drilling would obtain the maximum increase in deliverability. In this vein, these Dakota wells were not drilled during 1975 and will not be drilled during 1976.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs/Mesaverde, dual which is commercial in Pictured Cliffs and non-commercial in Mesaverde	1
Dakota	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no additional wells during the calendar year 1976. El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may

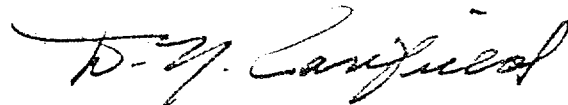
be required to prevent drainage of the unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

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.

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 as shown on the attached sheet.

Very truly yours,




D. N. Canfield
Director of Land
Energy Resource Development

DNC:sas
Enclosures
San Juan 28-4, 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: March 18, 1976

The foregoing approvals are for the 1976 Drilling Program for the San Juan
28-4 Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation

Phillips Petroleum Company

M. A. Romero

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>OCG</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
Lindrieth	12-18-74	11-18-74	12-5-74
Rincon	1-6-75	12-3-74	12-5-74

COPY

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

December 5, 1974

551

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 28-4 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 1975 for the San Juan 28-4 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

551

El Paso, Texas 79978

December 4, 1974

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

Re: San Juan 28-4 Unit
6th & 7th Revisions of the
Dakota Participating Area
Effective November 1, 1973
and December 1, 1973 respectively
Rio Arriba County, New Mexico

Gentlemen:

The referenced expansions of the San Juan 28-4 Unit Dakota Participating Area was approved by the Regulatory Agencies on the following dates:

United States Geological Survey	November 28, 1974
Oil Conservation Commission	November 1, 1974

Copies of this notice are being sent to the working interest owners of the San Juan 28-4 Unit.

Yours very truly,



Don Wadsworth
Landman
Land Department
Energy Resource Development

DW;saw

SJ 28-4 Unit; 5.0

cc: Commissioner of Public Lands

State of New Mexico

Post Office Box 1148

Santa Fe, New Mexico 87501 (Information Copy Only)

Mr. Antonio Martinez

Executive Director

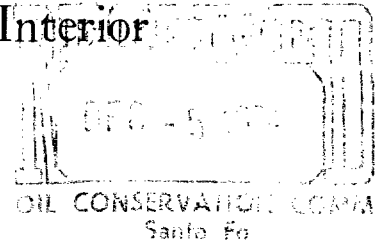
New Mexico Oil & Gas Accounting Commission



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201



December 2, 1974

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

551

Gentlemen:

Three approved copies of your 1975 plan of development for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, rescheduling the drilling of two Dakota wells from the 1974 plan to the 1975 plan due to a shortage of tubular goods, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

N. O. FREDERICK
Area Oil and Gas Supervisor

cc:
✓ NMOCC, Santa Fe (ltr only)
Com. Pub. Lands, Santa Fe (ltr only)
Durango (w/cy plan)

JAGillham:ds



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

November 25, 1974

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

Gentlemen:

Your application of October 23, 1974, requesting approval of the sixth and seventh revisions of the Dakota participating area for the San Juan 28-4 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-933, was approved on November 25, 1974, by the Area Oil and Gas Supervisor, U. S. Geological Survey effective as of November 1, 1973, and December 1, 1973, respectively.

The sixth revision adds 320 acres described as the W $\frac{1}{2}$ sec. 29, T. 28 N., R. 4 W., N.M.P.M., which enlarges the Dakota participating area to 2,558.60 acres and is based on the completion and production of unit well No. 36 located in the SW $\frac{1}{4}$ of said sec. 29. Such well was completed November 20, 1973, from the Dakota interval 8,502 to 8,672 feet for an initial calculated open flow potential of 1,050 MCF per day.

The seventh revision adds an additional 320 acres described as the E $\frac{1}{2}$ sec. 29, T. 28 N., R. 4 W., N.M.P.M., thereby enlarging the Dakota participating area to 2,878.60 acres and is based on the completion and production of unit well No. 37 located in the NE $\frac{1}{4}$ of this same sec. 29. Such well was completed December 5, 1973, from the Dakota interval 9,561 to 8,728 feet for an initial calculated open flow potential of 1,213 MCF gas per day.

Copies of the approved application are being distributed to the appropriate Federal offices and three approved copies are returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

N. O. FREDERICK
Area Oil and Gas Supervisor

cc:

BLM, Santa Fe (ltr only)
NMOCC, Santa Fe (ltr only)
Durango (w/cy appln)

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

551

November 1, 1974

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

Attention: Mr. James R. Permenter

Re: Sixth and Seventh Expanded
Dakota Participating Areas,
San Juan 28-4 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Sixth and Seventh Expanded Participating Areas of the Dakota Formation for the San Juan 28-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Five approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico.

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 28, 1974

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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
SIXTH AND SEVENTH EXPANDED
PARTICIPATING AREAS OF THE DAKOTA
FORMATION, Effective November 1,
1973 and December 1, 1973,
respectively

Gentlemen:

We are enclosing for your approval six (6) copies of an application for approval of the Sixth and Seventh Expanded Participating Areas of the Dakota Formation for the referenced unit.

If this application meets with your approval, please execute all copies, retain one copy for your file and forward the remaining copies to the United States Geological Survey in Roswell, New Mexico, for their approval and further handling. After this application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,



James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:DW:km
Enclosures
San Juan 28-4 Unit 4.3

cc: 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
(Information only - w/encls.)

El Paso Natural Gas Company

El Paso, Texas 79978

October 25, 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
SIXTH AND SEVENTH EXPANDED
PARTICIPATING AREAS OF THE DAKOTA
FORMATION, Effective November 1,
1973 and December 1, 1973,
respectively

Gentlemen:

Pursuant to the provisions of Section 11 (b) of the San Juan 28-4 Unit Agreement #14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Sixth and Seventh Expanded Participating Areas of the Dakota Formation, to wit:

SIXTH EXPANDED PARTICIPATING AREA - Effective November 1, 1973

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 4 West, N.M.P.M.</u>	
Section 29: W/2	320.00

This proposed Sixth Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-4 Unit #36 well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 28-4 Unit #36 well, located 700 feet from the South line and 1470 feet from the W/2 line of Section 29, Township 28 North, Range 4 West, N.M.P.M., was spudded on September 30, 1973, and completed on November 20, 1973, in the Dakota Formation at a total depth of 8710'. The Dakota Formation at the intervals 8502', 8552', 8578', 8580', 8636' 8638', 8670' and 8672' was treated with a sand-water fracturing process on October 26, 1973. The well was shut-in on October 29, 1973, and after being shut-in for twenty-two (22) days the well was tested on November 20, 1973, and following a three (3) hour blow-down period, the Dakota Formation gauged 1000 MCF/D through a 3/4" choke and 1050 MCF/D by the calculated absolute open-flow method, with an SIPC of 2217 psia and an SIPT of 1276 psia. The spacing unit for this well is described as the W/2 of Section 29, Township 28 North, Range 4 West, containing 320.00 acres.

SEVENTH EXPANDED PARTICIPATING AREA - Effective December 1, 1973

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 4 West, N.M.P.M.</u>	
<u>Section 29: E/2</u>	320.00

This proposed Seventh Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-4 Unit #37 well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 28-4 Unit #37 well, located 1335 feet from the North line and 870 feet from the East line of Section 29, Township 28 North, Range 4 West, N.M.P.M., was spudded on October 14, 1973, and completed on December 5, 1973, in the Dakota Formation at a total depth of 8772'. The Dakota Formation at the intervals 8561', 8565', 8636', 8638', 8682', 8688', 8707', 8711', 8722' and 8728' was treated with a sand-water fracturing process on November 18, 1973. The well was shut-in on November 22, 1973, and after being shut-in for thirteen (13) days the well was tested on December 5, 1973, and following a three (3) hour blow-down period, the Dakota Formation gauged 1195 MCF/D through a 3/4" choke and 1213 MCF/D by the calculated absolute open-flow method, with an SIPC of 2464 psia and an SIPT of 2476 psia. The spacing unit for this well is described as the E/2 of Section 29, Township 28 North, Range 4 West, containing 320.00 acres.

United States Geological Survey
Oil Conservation Commission
Page Three

In support of this application, the following-listed Exhibits are made a part thereof:

EXHIBIT "A"

Ownership map reflecting the boundaries of the Unit and the proposed Sixth and Seventh Expanded Participating Areas of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "B"

Geological Report on the Sixth and Seventh Expanded Participating Areas of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "C"

Figure No. 1: San Juan 28-4 Dakota Structure Map
Figure No. 2: San Juan 28-4 Dakota Isopach Map

EXHIBIT "D"

Schedule of Dakota Gas Production

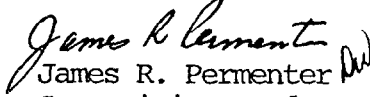
Attached hereto are Schedules VII and VIII that show the proposed Sixth and Seventh Expanded Participating Areas of the Dakota Formation in the San Juan 28-4 Unit Area. These Schedules describe the Sixth and Seventh Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

If these Sixth and Seventh Expanded Participating Areas of the Dakota Formation meet with your approval, please indicate such approval in the space provided and return an approved copy thereof for our files.

United States Geological Survey
Oil Conservation Commission
Page Four

Copies of this letter 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:DW:km
Enclosures
San Juan 28-4 Unit 4.3

cc: Commissioner of Public Lands
(Information Only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Mr. Antonio Martinez
Executive Director, New Mexico
Oil and Gas Accounting Commission
P. O. Box 2308
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: *[Signature]*
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: November 1, 1974

The foregoing approvals are for the Sixth and Seventh Expanded Participating Areas of the Dakota Formation for the San Juan 28-4 Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. M. A. Romero

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1975 DRILLING PROGRAM

Gentlemen:

By letters dated January 9, 1974 and May 3, 1974, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program and a Supplemental Drilling Program on the captioned Unit for the calendar year 1974, providing for the drilling of three (3) Dakota wells. The #38 well is scheduled to be drilled prior to the end of 1974, and due to a shortage of tubular goods, wells #39 and #40 will be drilled in 1975.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in Pictured Cliffs and non-commercial in Mesaverde	1
Dakota	9
	<u>29</u>

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of no additional wells during the calendar year 1975 except for those listed above that are being carried forward from the 1974 Drilling Program.

October 23, 1974

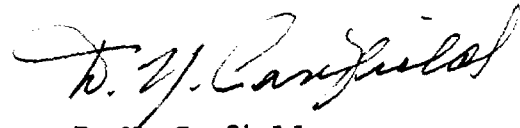
In addition to the above wells, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of the unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

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.

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 as shown on the attached sheet.

Yours very truly,




D. N. Canfield
Director
Land Department
Energy Resource Development

DNC:DW:saw
Enclosures
San Juan 28-4, 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 5, 1974

The foregoing approvals are for the 1975 Drilling Program for the San Juan 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. M. A. Romero

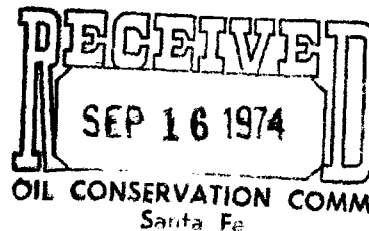
El Paso Natural Gas Company

El Paso, Texas 79978
September 13, 1974

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: San Juan 28-4 Unit Supplemental
1974 Drilling Program, Rio Arriba
County, New Mexico
San Juan 28-5 Unit 1974 Drilling
Program, Rio Arriba County, New Mexico
San Juan 31-6 Unit 1974 Drilling
Program, Rio Arriba County, New Mexico
Huerfanito Unit 1974 Drilling Program
San Juan County, New Mexico

Gentlemen:

The 1974 Drilling Programs for the referenced units were approved by the regulatory bodies on the following dates:

	<u>S.J. 28-4</u>	<u>S.J. 28-5</u>	<u>S.J. 31-6</u>	<u>Huerfanito</u>
United States Geological Survey	5-23-74	5-29-74	5-21-74	5-21-74
Commissioner of Public Lands	-----	-----	3-15-74	3-15-74
Oil Conservation Commission	5-29-74	4-22-74	3-18-74	3-18-74

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

Yours very truly,

A handwritten signature in cursive script that reads "Don Wadsworth".

Don Wadsworth, Landman
Land Department
Energy Resource Development

DW:sn
S.J. 28-4, 28-5, 31-6, 3.0
Huerfanito Unit, 3.0

El Paso Natural Gas Company

El Paso, Texas 79978

August 8, 1974

Acting 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

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

Re: San Juan 28-4 Unit
Wells #36 and #37
SW/4 and NE/4 of Sec. 29,
T-28-N, R-4-W,
Rio Arriba County, New Mexico

Gentlemen:

By previous letter El Paso Natural Gas Company, as Unit Operator, advised that the referenced wells were to be classified noncommercial due to marginal deliverability rates.

We have reconsidered that decision, and we now recommend that both wells be classified as commercial, Well #36 to effect the Sixth Expansion of the Dakota formation, and Well #37 to effect the Seventh Expansion of the Dakota formation. Further expansion information will follow with the request for your approval. Copies of this letter are being sent to working interest owners.

Yours very truly,



James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:rb

El Paso Natural Gas Company

El Paso, Texas 79978

June 6, 1974

Regional Oil and 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: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL
WELLS, Dakota Formation

Gentlemen:

El Paso Natural Gas Company, as Unit Operator, has concluded that the following described wells, which were drilled by El Paso, as Unit Operator, are not capable of producing unitized substances in paying quantities from the Dakota Formation:

The San Juan 28-4 Unit #36 Well, located 700' from the South line and 1470' from the West line of Section 29, Township 28 North, Range 4 West, N.M.P.M., was spudded on September 30, 1973 and completed on November 20, 1973 in the Dakota Formation at a total depth of 8710'. The Dakota Formation in the intervals of 8502', 8552', 8578', 8580', 8636', 8638', 8670' and 8672' was treated with a sand-water fracturing process on October 26, 1973. The well was shut-in on October 29, 1973 and after being shut-in for twenty-two (22) days the well was tested on November 20, 1973, and following a three-hour blow-down period, the Dakota Formation gauged 1000 MCF/D through a 3/4" choke and 1050 MCF/D by the calculated absolute open-flow method, with an SIPC of 2217 psia. The spacing unit for this well is described as the E/2 of Section 29, Township 28 North, Range 4 West, containing 320.00 acres.

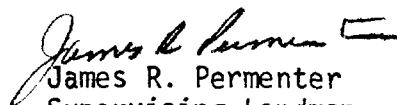
Regional Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
Page Two

The San Juan 28-4 Unit #37 Well, located 1335' from the North line and 870' from the East line of Section 29, Township 28 North, Range 4 West, N.M.P.M., was spudded on October 14, 1973 and completed on December 5, 1973 in the Dakota Formation at a total depth of 8772'. The Dakota Formation in the intervals of 8561', 8565', 8636', 8638', 8682', 8688', 8707', 8711', 8722' and 8728' was treated with a sand-water fracturing process on November 18, 1973. The well was shut-in on November 22, 1973 and after being shut-in for thirteen (13) days the well was tested on December 3, 1973, and following a three-hour blow-down period, the Dakota Formation gauged 1195 MCF/D through a 3/4" choke and 1213 MCF/D by the calculated absolute open-flow method, with an SIPC of 2464 psia. The spacing unit for this well is described as the W/2 of Section 29, Township 28 North, Range 4 West, containing 320.00 acres.

Inasmuch as this needs no official approval, pursuant to Section 11 of the San Juan 28-4 Unit Agreement, no provision is made therefore, and in the absence of disapproval, these determinations shall be effective as of the dates the subject wells were tested.

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

Yours very truly,



James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:TS:lj
Attachment
SJ 28-4 Unit 4.1

cc: Mr. Antonio Martinez
Executive Director
New Mexico Oil & Gas Accounting Commission
Post Office Box 2308
Santa Fe, New Mexico 87501

SAN JUAN 28-4 UNIT
Working Interest Owner

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Phillips Petroleum Company

Mr. M. A. Romero

Northwest Pipeline Corporation

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

651

May 29, 1974

C
O
P
Y

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

Attention: Mr. D. N. Canfield

Re: Supplemental 1974 Drilling Program
San Juan 28-4 Unit, Rio Arriba
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the supplement to the 1974 Drilling Program providing for the drilling of two Dakota wells for the San Juan 28-4 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



United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

May 23, 1974

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

Gentlemen:

Three approved copies of your supplement, dated May 3, 1974, to the 1974 plan of development for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing the drilling of two additional Dakota wells, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

N. O. FREDERICK
Area Oil and Gas Supervisor

cc:

- ✓ NMOCC, Santa Fe (ltr only)
- Com. Pub. Lands, Santa Fe (ltr only)
- Durango (w/cy plan)

JAGillham:ds

El Paso Natural Gas Company

El Paso, Texas 79978

May 3, 1974

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

Re: San Juan 28-4 Unit #14-08-001-933,
Rio Arriba County, New Mexico
1974 SUPPLEMENTAL DRILLING PROGRAM

Gentlemen:

By letter dated January 9, 1974, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned Unit for the calendar year 1974, which provided for the drilling of the San Juan 28-4 Unit #38 Dakota well in the W/2 of Section 19, T-28-N, R-4-W, N.M.P.M., and you previously approved this Drilling Program.

El Paso Natural Gas Company now desires, however, as Unit Operator, and with the concurrence of a necessary majority of the Unit working interest owners, to amend this 1974 Program and provide for the drilling of the following additional wells during the calendar year 1974:

<u>Well and Location</u>	<u>Formation</u>
San Juan 28-4 Unit #39 Well W/2 Sec. 21, T-28-N, R-4-W	Dakota
San Juan 28-4 Unit #40 Well E/2 Sec. 30, T-28-N, R-4-W	Dakota

These wells will be drilled by El Paso Natural Gas Company, as Unit Operator, on a spacing Unit which is not presently within the existing Dakota Participating Area, to extend the limits of such Participating Area.

In addition to the #39 and #40 wells, 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 by the Unit Operator and the working interest owners.

Regional Oil and Gas Supervisor
Oil Conservation Commission
Page Two

If this 1974 Supplemental 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.

Yours very truly,

A handwritten signature in black ink, appearing to read "D. N. Canfield", written in a cursive style.

D. N. Canfield
Manager
Land Department
Energy Resource Development

DNC:TS:lj
Attachments
SJ 28-4 Unit 3.0, 4.3

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

United States Geological Survey
Durango, Colorado 81301

APPROVED: _____
Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

DATE: _____

APPROVED: A. H. Porter, Jr.
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: May 29, 1974

The foregoing approvals are for the 1974 Supplemental Drilling Program for the San Juan 28-4 Unit #14-08-001-933, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

El Paso, Texas 79974

February 25, 1974

551

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
FIFTH EXPANDED PARTICIPATING AREA
OF THE DAKOTA FORMATION,
Effective August 1, 1972

Gentlemen:

The Fifth Expanded Participating Area for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	-	September 26, 1973
Oil Conservation Commission	-	August 20, 1973

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

Yours very truly,



Don Wadsworth
Landman, Land Department
Energy Resource Development

DW:mcv

S.J. 28-4, 4.3

cc: Commissioner of Public Lands (Information only)
State of New Mexico

Mr. Antonio Martinez
Executive Director
New Mexico Oil & Gas Accounting Commission

San Juan 28-4

Working Interest Owners

Amoco Production Company (Denver)

Amoco Production Company (Farmington)

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. M. A. Romero



United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

February 5, 1974

551

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 28-4 unit area, Rio Arriba County, New Mexico, in which you propose to drill one Dakota well on lands outside the existing Dakota participating area and any well that may be required to prevent drainage of unitized substances, 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,

10-06

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)

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 15, 1974

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

Attention: Mr. D. N. Canfield

Re: 1974 Drilling Program
San Juan 28-4 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 providing for the drilling of one Dakota well during the calendar year 1974 for the San Juan 28-4 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

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1974 DRILLING PROGRAM

Gentlemen:

By letter dated March 29, 1973, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned Unit for the calendar year 1973 providing for the drilling of two (2) Dakota wells. The wells were timely drilled. The Sixth Expanded Participating Area for the Dakota Formation was occasioned by the completion of the #36 well, and the Seventh Expanded Participating Area for the Dakota Formation was occasioned by the completion of the #37 well.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in Pictured Cliffs and non-commercial in Mesaverde	1
Dakota	<u>9</u>
	29

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of the following-described well during the calendar year 1974:

<u>Well No.</u>	<u>Spacing Unit</u>	<u>Formation</u>
38	W/2 Sec. 19-28N-4W	Dakota

January 9, 1974

This well is being drilled on a spacing unit which is not presently within the existing Dakota Participating Area, in order to extend the limits of the Participating Area.

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 the unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

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.

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 as shown on the attached sheet.

Yours very truly,



D. N. Canfield
Manager
Land Department
Energy Resource Development

DNC:DW:sn
Enclosures
San Juan 28-4, 3.0

cc: Commissioner of Public Lands
(Information Only)

APPROVED: _____ DATE: _____
Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission.

APPROVED: A. L. Porter DATE: January 15, 1974
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey.

The foregoing approvals are for the 1974 Drilling Program for the San Juan 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

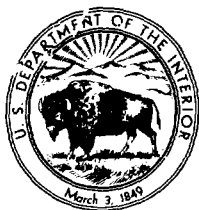
Mr. Robert Critchfield

General American Oil Company of Texas

Northwest Pipeline Corporation

Phillips Petroleum Company

Mr. M. A. Romero



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857

Roswell, New Mexico 88201

September 26, 1973

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

Gentlemen:

Your application requesting approval of the fifth revision of the Dakota participating area for the San Juan 28-4 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-933 was approved on September 26, 1973, by the Oil and Gas Supervisor, U. S. Geological Survey effective as of August 1, 1972.

The fifth revision adds 320.00 acres as described on page one of the application, which enlarges the Dakota participating area to 2,238.60 acres. This revision is based on the completion of well #35, NE $\frac{1}{4}$ of section 33, T. 28 N., R. 4 W., completed August 4, 1972, from the Dakota interval 8,490 - 8,661 for a C.A.O.F. of 2,141 MCFPD.

Copies of the approved application are being distributed to the appropriate Federal offices and two approved copies are returned herewith. Please furnish all interested parties with suitable evidence of this approval.

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:

Durango (w/cy appln. & Engr. & Geo. Reports)

BLM, Santa Fe (w/cy appln.)

N.M.O.C.C., Santa Fe (w/cy appln.)✓

JFSims:lh

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2088 - SANTA FE

87501

August 20, 1973

I. R. TRUJILLO

CHAIRMAN

LAND COMMISSIONER

ALEX J. ARMIJO

MEMBER

STATE GEOLOGIST

A. L. PORTER, JR.

SECRETARY - DIRECTOR

El Paso Natural Gas Company
El Paso, Texas 79978

Attention: Mr. James R. Permenter

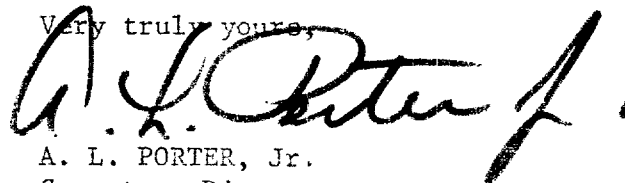
Re: Fifth Expansion Dakota
Participating Area
San Juan 28-4 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fifth Expanded Participating Area of the Dakota Formation for the San Juan 28-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Five approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico.

Very truly yours,



A. L. PORTER, Jr.
Secretary-Director

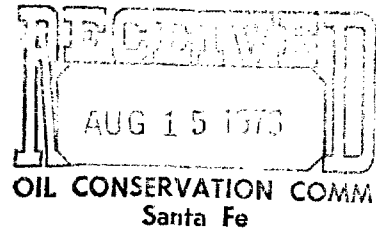
ALP/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

August 10, 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: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
FIFTH EXPANDED PARTICIPATING AREA
OF THE DAKOTA FORMATION, Effective
August 1, 1972

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-4 Unit Agreement #14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Fifth Expanded Participating Area of the Dakota Formation, to wit:

FIFTH EXPANDED PARTICIPATING AREA - Effective August 1, 1972

Description of Lands

Acres

Township 28 North, Range 4 West, N.M.P.M.
Section 33: E/2

320.00

This proposed Fifth Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-4 Unit #35 well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 28-4 Unit #35 well, located 525 feet from the North line and 1650 feet from the East line of Section 33, Township 28 North, Range 4 West, N.M.P.M., was spudded on June 13, 1972, and completed on August 4, 1972, in the Dakota Formation at a total depth of 8686'. The

August 10, 1973

Dakota Formation in the intervals between 8490'-8512', 8542'-8548', 8561'-8576', 8616'-8623', 8635'-8642', 8648'-8661' was treated with a sand-water fracturing process on July 16, 1972. The well was shut-in on July 28, 1972, and after being shut-in for seven (7) days the well was tested on August 4, 1972, and following a three (3) hour blow-down period, the Dakota Formation gauged 1937 MCF/D through a 3/4" choke and 2141 MCF/D by the calculated absolute open-flow method, with an SIPC of 2445 psia and an SIPT of 2436 psia. The spacing unit for this well is described as the E/2 of Section 33, Township 28 North, Range 4 West, containing 320.00 acres.

In support of this application, the following-listed Exhibits are made a part hereof:

EXHIBIT "A"

Ownership map reflecting the boundaries of the Unit and the proposed Fifth Expanded Participating Area of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "B"

Geological Report on the Fifth Expanded Participating Area of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "C"

Figure No. 1: San Juan 28-4 Dakota Structure Map
Figure No. 2: San Juan 28-4 Dakota Isopach Map

EXHIBIT "D"

Schedule of Dakota Gas Production

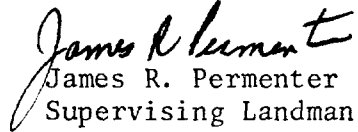
Attached hereto is Schedule VI that shows the proposed Fifth Expanded Participating Area of the Dakota Formation in the San Juan 28-4 Unit Area. This Schedule describes the Fifth Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

If this Fifth Expanded Participating Area of the Dakota Formation meets with your approval, please indicate such approval in the space provided and return an approved copy thereof for our files.

August 10, 1973

Copies of this letter 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:DW:sn
Enclosures
San Juan 28-4 Unit 4.3

cc: Commissioner of Public Lands
(Information Only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Mrs. Pepita O. Jeffus
Executive Director, New Mexico
Oil and Gas Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

APPROVED: _____ DATE: _____
Regional Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Oil Conservation Commission

APPROVED:  DATE: August 20, 1973
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

The foregoing approvals are for the Fifth Expanded Participating Area
of the Dakota Formation for the San Juan 28-4 Unit #14-08-001-933,
Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

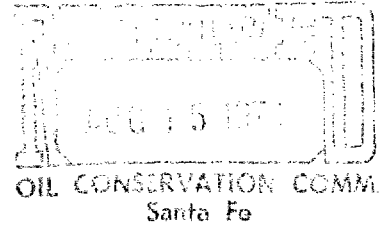
Phillips Petroleum Company

Mr. M. A. Romero

El Paso Natural Gas Company

El Paso, Texas 79978

August 10, 1973



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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
FIFTH EXPANDED PARTICIPATING AREA
OF THE DAKOTA FORMATION, Effective
August 1, 1972

Gentlemen:

We are enclosing for your approval six (6) copies of an application for approval of the Fifth Expanded Participating Area of the Dakota Formation for the referenced unit.

If this application meets with your approval, please execute all copies, retain one copy for your file and forward the remaining copies to the United States Geological Survey in Roswell, New Mexico, for their approval and further handling. After this application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,

James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:DW:sn
Enclosures
S.J. 28-4 Unit 4.3

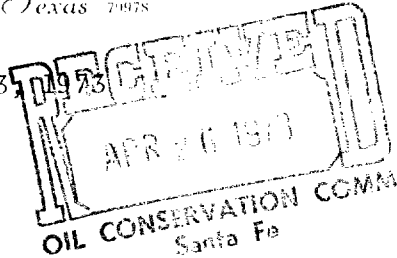
cc: Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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

El Paso Natural Gas Company

El Paso, Texas 79978

April 23, 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: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
FOURTH EXPANDED PARTICIPATING AREA
OF THE DAKOTA FORMATION,
Effective 1/1/1972

Gentlemen:

The Fourth Expanded Participating Area for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	-	April 16, 1973
Oil Conservation Commission	-	April 5, 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

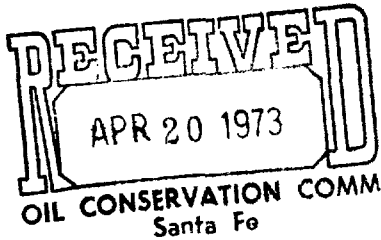
LAP:dkc
S.J. 28-4, 4.3

cc: Commissioner of Public Lands (Information only)
State of New Mexico

Mrs. Pepita O. Jeffus,
Executive Director
New Mexico Oil & Gas Accounting Commission

El Paso Natural Gas Company

El Paso, Texas 79978



April 18, 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1973 DRILLING PROGRAM

Gentlemen:

The 1973 Drilling Program for the San Juan 28-4 Unit dated March 29, 1973, was approved by the regulatory bodies on the following dates:

United States Geological Survey	-	April 5, 1973
Oil Conservation Commission	-	April 5, 1973

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

Yours very truly,

A handwritten signature in cursive script that reads "Larry A. Pridgeon".

Larry A. Pridgeon
Landman, Land Department
Energy Resource Development

LAP:dkc
S.J. 28-4, 3.0

cc: Commissioner of Public Lands
Santa Fe, New Mexico 87501



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

RECEIVED
APR 18 1973
OIL CONSERVATION COMMISSION
April 16, 1973 to Fe

El Paso Natural Gas Company
Attention: Mr. James R. Permenter
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Your application of March 27, 1973, requesting approval of the fourth revision of the Dakota participating area for the San Juan 28-4 unit agreement, Rio Arriba County, New Mexico, 14-08-001-933, was approved on April 16, 1973, by the Acting Oil and Gas Supervisor, U. S. Geological Survey, effective as of May 1, 1972.

The fourth revision adds 319.04 acres described as Lots 1, 2, 3, 4, and the E $\frac{1}{4}$ of sec. 30, T. 28 N., R. 4 W., N.M.P.M., which enlarges the Dakota participating area to 1,918.60 acres. Such revision is based on the information contributed by unit well No. 34 located in Lot 4 of sec. 30, T. 28 N., R. 4 W., N.M.P.M., which was completed on May 3, 1972, for a calculated open flow potential of 2,199 MCF of gas per day from the Dakota interval 8,034 to 8,224 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and two approved copies are returned herewith. You are requested to furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

CARL C. TRAYWICK
Acting Oil and Gas Supervisor

cc:
Washington (thru Reg. Mgr., Denver) (w/cy appln.)
Durango (w/cy appln.)
BLM, Santa Fe (ltr. only)
NMOCC, Santa Fe (ltr. only) ✓

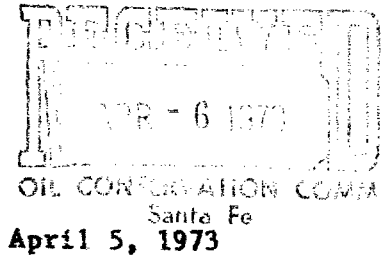
JAGillham:lh



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201



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

Gentlemen:

Two approved copies of your 1973 plan of development for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of two Dakota wells on lands outside the existing Dakota participating area, 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,

(ORIGINAL)

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:
Washington (thru Denver) (w/cy plan)
Durango (w/cy plan)
L NMOCC, Santa Fe (ltr only)
Com. Pub. Lands, Santa Fe (ltr only)

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

551

April 5, 1973

El Paso Natural Gas Company
Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1973 Drilling Program,
San Juan 28-4 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 1973 providing for the drilling of two Dakota wells for the San Juan 28-4 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
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

April 5, 1973

El Paso Natural Gas Company
Box 1492
El Paso, Texas 79978

Attention: Mr. James R. Permenter

Re: Fourth Expanded Dakota
Participating Area, San Juan
28-4 Unit, Rio Arriba County,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fourth Expanded Participating Area of the Dakota Formation for the San Juan 28-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Five approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

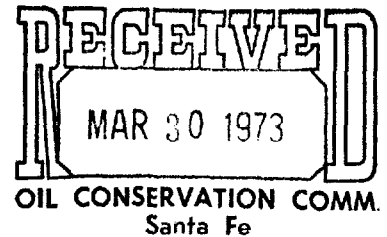
cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

March 29, 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: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1973 DRILLING PROGRAM

Gentlemen:

By letter dated March 20, 1972, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned Unit for the calendar year 1972 providing for the drilling of one (1) Dakota well. The well was timely drilled, causing the Fourth Expanded Participating Area for the Dakota Formation. A Supplemental Drilling Program providing for the drilling of one (1) additional Dakota well was filed by El Paso Natural Gas Company in a letter dated June 8, 1972. This well was also timely drilled and is now being evaluated to see if it will occasion another Expansion of the Dakota Participating Area.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in Mesaverde	1
Dakota	<u>7</u>
	27

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of the following-described wells during the calendar year 1973:

March 29, 1973

<u>Well No.</u>	<u>Spacing Unit</u>	<u>Formation</u>
36	W/2 Sec. 29, T-28-N, R-4-W	Dakota
37	E/2 Sec. 29, T-28-N, R-4-W	Dakota

These wells are being drilled on spacing units which are not presently within the existing Dakota Participating Area, in order to extend the limits of the Participating Area.

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 the unitized substances and any other wells 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 desires of a majority of these working interest owners. El Paso Natural Gas Company, as Unit Operator, and the working interest owners also 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
D. N. Canfield
Manager
Land Department
Energy Resource Development

DNC:LAP:nja
Enclosures
San Juan 28-4, 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: April 5, 1973

The foregoing approvals are for the 1973 Drilling Program for the San Juan 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

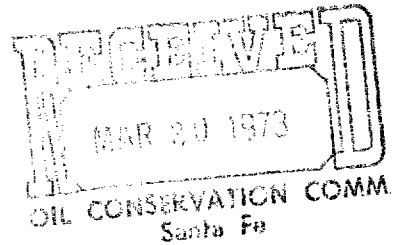
Phillips Petroleum Company

Mr. M. A. Romero

El Paso Natural Gas Company

El Paso, Texas 79978

March 27, 1973



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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
FOURTH EXPANDED PARTICIPATING AREA
OF THE DAKOTA FORMATION, Effective
May 1, 1972

Gentlemen:

We are enclosing for your approval six (6) copies of an application for approval of the Fourth Expanded Participating Area of the Dakota Formation for the referenced unit.

If this application meets with your approval, please execute all copies, retain one copy for your files and forward the remaining copies to the United States Geological Survey in Roswell, New Mexico, for their approval and further handling. After this application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,

James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:LAP:nja
Enclosures
San Juan 28-4 Unit 4.3

cc: Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

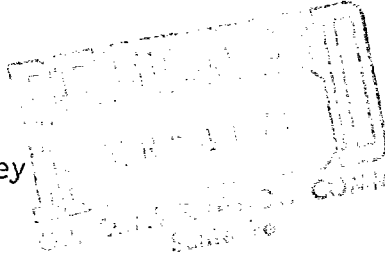
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501
(Information only - w/encls.)

El Paso Natural Gas Company

El Paso, Texas 79978

March 27, 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: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
FOURTH EXPANDED PARTICIPATING AREA
OF THE DAKOTA FORMATION, Effective
May 1, 1972

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-4 Unit Agreement #14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Fourth Expanded Participating Area of the Dakota Formation, to wit:

FOURTH EXPANDED PARTICIPATING AREA - Effective May 1, 1972

Description of Lands

Acres

Township 28 North, Range 4 West, N.M.P.M.
Section 30: Lots 1,2,3,4, E/2 W/2 (W/2)

319.04

This proposed Fourth Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-4 Unit #34 well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

March 27, 1973

The San Juan 28-4 Unit #34 well, located 870 feet from the South line and 800 feet from the West line of Section 30, Township 28 North, Range 4 West, N.M.P.M., was spudded on April 11, 1972, and completed on April 23, 1972, in the Dakota Formation at a total depth of 8268'. The Dakota Formation in the intervals between 8034'-8046', 8092'-8100', 8118'-8130', 8176'-8188', 8198'-8206', 8216'-8224' was treated with a sand-water fracturing process on April 22, 1972. The well was shut-in on April 23, 1972, and after being shut-in for ten (10) days the well was tested on May 3, 1972, and following a three (3) hour blow-down period, the Dakota Formation gauged 2145 MCF/D through a 3/4" choke and 2199 MCF/D by the calculated absolute open-flow method, with an SIPC of 2567 psia and an SIPT of 1441 psia. The spacing unit for this well is described as the W/2 of Section 30, Township 28 North, Range 4 West, containing 319.04 acres.

In support of this application, the following-listed Exhibits are made a part hereof:

EXHIBIT "A"

Ownership map reflecting the boundaries of the Unit and the proposed Fourth Expanded Participating Area of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "B"

Geological Report on the Fourth Expanded Participating Area of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "C"

Figure No. 1: San Juan 28-4 Dakota Structure Map
Figure No. 2: San Juan 28-4 Dakota Isopach Map

EXHIBIT "D"

Schedule of Dakota Gas Production

Attached hereto is Schedule V that shows the proposed Fourth Expanded Participating Area of the Dakota Formation in the San Juan 28-4 Unit Area. This Schedule describes the Fourth Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.


United States Geological Survey
Oil Conservation Commission
Page Three

March 27, 1973

If this Fourth Expanded Participating Area of the Dakota Formation meets with your approval, please indicate such approval in the space provided and return an approved copy thereof for our files.

Copies of this letter 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:nja
Enclosures
San Juan 28-4 Unit 4.3

cc: Commissioner of Public Lands
(Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Mrs. Pepita O. Jeffus
Executive Director, New Mexico
Oil & Gas Accounting Commission
P. O. Box 2308
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: April 5, 1973

The foregoing approvals are for the Fourth Expanded Participating Area of the Dakota Formation for the San Juan 28-4 Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Phillips Petroleum Company

Mr. M. A. Romero

El Paso Natural Gas Company

El Paso, Texas 79999

November 9, 1972

551

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1972 SUPPLEMENTAL DRILLING PROGRAM

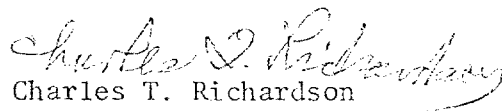
Gentlemen:

A 1972 Supplemental Drilling Program for the San Juan 28-4 Unit dated June 8, 1972, was approved by the regulatory bodies on the following dates:

United States Geological Survey	- June 15, 1972
Oil Conservation Commission	- November 1, 1972

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

Yours very truly,


Charles T. Richardson
Senior Landman
Land Department
Energy Resource Development

CTR:nja
S.J. 28-4 Unit 3.0

cc: Commissioner of Public Lands
State of New Mexico



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

551

June 15, 1972

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

Attention: Mr. D. N. Canfield

Gentlemen:

On this date, your supplemental plan of development for 1972, dated June 8, 1972, for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, in which you propose to drill one Dakota well, 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) N. O. FREDERICK

N. O. FREDERICK
Regional Oil and Gas Supervisor

cc:

Washington (w/cy plan)
Durango (w/cy plan)
NMOCC, Santa Fe (ltr. only)✓

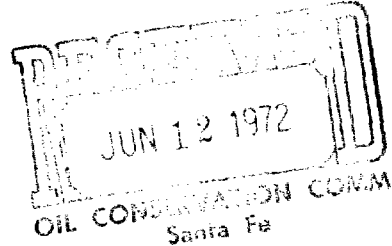
JAGillham:lh

El Paso Natural Gas Company

El Paso, Texas 79978

June 8, 1972

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 28-4 Unit #14-08-001-933,
Rio Arriba County, New Mexico
1972 SUPPLEMENTAL DRILLING PROGRAM

Gentlemen:

By letter dated March 20, 1972, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned Unit for the calendar year 1972, which provided for the drilling of the San Juan 28-4 Unit #34 Dakota Well in the W/2 (Lots 1, 2, 3, 4, E/2 W/2) Sec. 30, T-28-N, R-4-W, N.M.P.M., and you previously approved this Drilling Program.

El Paso Natural Gas Company now desires, however, as Unit Operator, and with the concurrence of a necessary majority of the Unit working interest owners, to amend this 1972 Program and provide for the drilling of the following additional well during the calendar year 1972:

<u>Well and Location</u>	<u>Formation</u>
San Juan 28-4 Unit #35, E/2 Sec. 33, T-28-N, R-4-W, N.M.P.M.	Dakota

This #35 Well will be drilled by El Paso Natural Gas Company, as Unit Operator, on a spacing Unit which is not presently within the existing Dakota Participating Area, to extend the limits of such Participating Area. Said well is also being drilled pursuant to the provisions of Section 8.b. of the Unit Operating Agreement, at the request of Amoco Production Company.

In addition to the #34 and #35 Wells, 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 by the Unit Operator and the working interest owners.

Regional Oil & Gas Supervisor
Oil Conservation Commission
Page Two

June 8, 1972

If this 1972 Supplemental 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.

Yours very truly,

A handwritten signature in dark ink, appearing to read "D. N. Canfield". The signature is fluid and cursive, with the first name "D." and last name "Canfield" clearly distinguishable.

D. N. Canfield
Manager
Land Department
Energy Resource Development

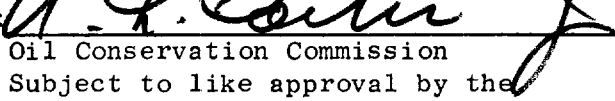
DNC:CTR:lj
Attachments
SJ 28-4 Unit, 3.0, 4.3

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

United States Geological Survey
Durango, Colorado

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: Nov 1, 1972

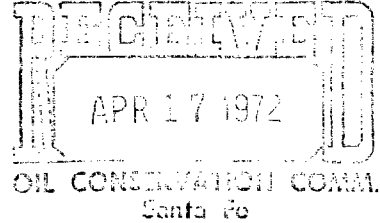
The foregoing approvals are for the 1972 Supplemental Drilling Program for the San Juan 28-4 Unit #14-08-001-933, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

551

El Paso, Texas 79978

April 14, 1972



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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1972 DRILLING PROGRAM

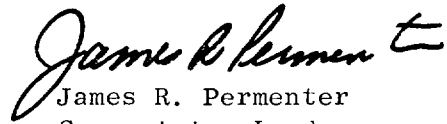
Gentlemen:

The 1972 Drilling Program for the San Juan 28-4 Unit dated March 20, 1972, was approved by the regulatory bodies on the following dates:

United States Geological Survey	-	April 11, 1972
Oil Conservation Commission	-	March 27, 1972

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

Yours very truly,

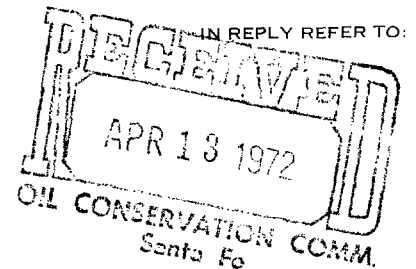

James R. Permenter
Supervising Landman
Land Department
Energy Resource Development

JRP:nja
S.J. 28-4, 3.0

cc: Commissioner of Public Lands
Santa Fe, New Mexico 87501



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201



April 11, 1972

551

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

Attention: Mr. D. N. Canfield

Gentlemen:

Your 1972 plan of development for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Dakota well 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)

N. O. FREDERICK
Regional Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Durango (w/cy of plan)
NMOCC, Santa Fe (ltr. only)

JWillock:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 27, 1972

551

C
O
P
Y

El Paso Natural Gas Company
Box 1492
El Paso, Texas 79978

Attention: Mr. D. N. Canfield

Re: 1972 Drilling Program
San Juan 28-4 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 providing for the drilling of one well during the calendar year 1972 for the San Juan 28-4 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

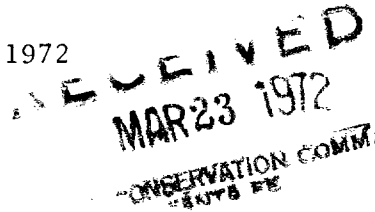
cc: United States Geological Survey
Box 1857
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

March 20, 1972



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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1972 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1971, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned Unit for the calendar year 1971. Said program provided for the drilling of no wells and none were drilled during 1971.

As fo this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commer- cial in Mesaverde	1
Dakota	5
	<u>25</u>

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of the following described well during the calendar year of 1972:

<u>Location</u>	<u>Formation</u>
San Juan 28-4 Unit #34 Well Lots 1, 2, 3, 4, E/2 W/2 (W/2) Sec. 30, T-28-N, R-4-W	Dakota

March 20, 1972

This well is being drilled on a spacing unit which is not presently within the existing Dakota Participating Area, to extend the limits of the Participating Area.

All of the working interest owners have been contacted, and this Drilling Program reflects the desires of the majority of these working interest owners.

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of the unitized substances and any other wells deemed necessary 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

Manager

Land Department

Energy Resource Development

DNC:CTR:khs
Enclosures
S.J. 28-4, 3.0

cc: Commissioner of Public Lands (Information Only)
State of New Mexico
Post Office 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: March 27, 1972

The foregoing approvals are for the 1972 Drilling Program for the San Juan 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Amoco Production Company (3)

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Phillips Petroleum Company

Mr. M. A. Romero

El Paso Natural Gas Company

El Paso, Texas 79999

January 29, 1971

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:

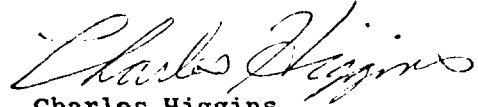
The 1971 Drilling Programs for the following Units were approved by the Regulatory Bodies on the dates indicated.

<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:

January 26, 1971

551

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 28-4 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,

(ORIS: S11: 1/27/71 TEL: 100K)

N. O. FREDERICK
Regional Oil and Gas Supervisor

cc:
Washington (w/cy of plan)
Durango (w/cy of plan)
NMOCC, Santa Fe (ltr. only) /

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 15, 1971

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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: 1971 Drilling Program
San Juan 28-4 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 1971, providing for the drilling of no wells during the year for the San Juan 28-4 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
Drawer 1857
Roswell, New Mexico 88201

El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 1971

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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1971 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1970, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1970. Said program provided for the drilling of no wells and none were drilled during 1970.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in Mesaverde	1
Dakota	5
	<u>25</u>

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1971 providing for the drilling of no wells during the year.

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.

United States Geological Survey
Oil Conservation Commission
Page Two

January 6, 1971

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 later 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 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:nja
Enclosures
SJ 28-4 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: *R. L. Carter, Jr.*
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey

DATE: *January 15, 1971*

The foregoing approvals are for the 1971 Drilling Program for the San Juan 28-4
Unit #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Pan American Petroleum Corporation (3)

Phillips Petroleum Company

Mr. M. A. Romero

El Paso Natural Gas Company

El Paso, Texas 79999

February 4, 1970

RECEIVED

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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

Drawer 1857
Roswell, New Mexico 88201

MAIN OFFICE 000

70 FEB 2 AM 8 24

January 30, 1970

551

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 28-4 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. SGD.) 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)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 21, 1970

551

**El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999**

Attention: Mr. T. W. Bittick

**Re: 1970 Drilling Program
San Juan 28-4 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 1970 for the San Juan 28-4 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**

JAN 14 1970

January 15, 1970

C
O
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El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 28-4 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 28-4 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 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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1970 DRILLING PROGRAM

Gentlemen:

By letter dated January 31, 1969, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1969. Said program provided for the drilling of no wells and none were drilled during 1969.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in Mesaverde	1
Dakota	<u>5</u>
	25

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1970, providing for the drilling of no wells during the year.

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.

Mr. John A. Anderson
Oil Conservation Commission
Page Two

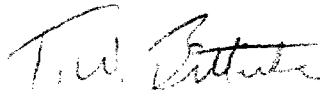
January 6, 1970

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 later 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 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:CTR:ec
Enclosures
SJ 28-4 Unit, 3.0

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____

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 1, 1970

The foregoing approvals are for the 1970 Drilling Program for the San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

El Paso, Texas 79999

July 3, 1969

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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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
THIRD EXPANDED PARTICIPATING
AREA, Dakota Formation,
Effective December 1, 1968

Gentlemen:

The Third Expanded Participating for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	June 27, 1969
Oil Conservation Commission	June 12, 1969

Approval by the Commissioner of Public Lands was not required. 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
SJ 28-4, 4.3

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico

Mrs. Pepita O. Jeffus
New Mexico Oil & Gas Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

El Paso Natural Gas Company

El Paso, Texas 79999

July 2, 1969

MAIN OFFICE

'69 JUL 7 AM 8 36

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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 28-4 Unit #14-08-001-933
NOTICE OF COMPLETION OF ADDITIONAL
WELL - Dakota Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved July 24, 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 commercial quantities from the Dakota Formation has been completed upon acreage committed to the Unit. This well is as follows:

The San Juan 28-4 Unit #32 Well, located 1617' from the North line and 870' from the East line of Section 32, Township 28 North, Range 4 West, Rio Arriba County, New Mexico, was spudded on December 8, 1968, and completed on January 21, 1969, at a total depth of 8758'. The well was shut-in on January 21, 1969, due to weather and bad roads until April 5, 1969 when operations were re-commenced. The Dakota Formation in the intervals between 8552' - 8574', 8610' - 8615', 8632' - 8647', 8687' - 8692', 8696' - 8703', 8709' - 8717', 8726' - 8732' was treated with a sand-water fracturing process on April 5, 1969. The Dakota Formation was shut-in on April 28, 1969, and after being shut-in for gauge for twenty-one (21) days, the well was tested on May 19, 1969, and following a three (3) hour blow-down period the Dakota Formation gauged 1871 MCFGPD through a 3/4" choke, and 1992 MCFGPD by the calculated absolute open-flow

method, with an SIPC of 2569 psia and an SIPT of 2569 psia. The committed drilling block upon which this well is located is described as the E/2 of Section 32, Township 28 North, Range 4 West, containing 320.00 acres.

This spacing unit was included in the San Juan 28-4 Unit Third Expanded Participating Area of the Dakota Formation, effective December 1, 1968, and the completion of this well does not warrant any further expansion of the Dakota Participating Area.

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, appearing to read "Charles Higgins".

Charles Higgins
Supervising Landman
Land Department

CH:JS:sf
SJ 28-4, 4.3

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Mrs. Pepita O. Jeffus
Executive Director
New Mexico Oil & Gas
Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Pan American Petroleum Corporation (3)

Phillips Petroleum Company

Mr. M. A. Romero



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Draeger 1857
Roswell, New Mexico 88201

June 27, 1969

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. Charles Higgins

Gentlemen:

The third revision of the Dakota participating area for the San Juan 28-4 unit agreement, Rio Arriba County, New Mexico, was approved on June 27, 1969, by the Regional Oil and Gas Supervisor, U. S. Geological Survey, effective as of December 1, 1968.

The third revision of the Dakota participating area adds 640 acres, described as the NE $\frac{1}{4}$ sec. 32 and NW $\frac{1}{4}$ sec. 33, T. 28 N., R. 4 W., N.M.P.M., and is based upon the completion of unit well No. 33 in the SW $\frac{1}{4}$ sec. 33 as a paying well pursuant to the terms of the unit agreement. Unit well No. 33 was tested on December 30, 1968, for a calculated absolute open flow potential of 2.183 MCF of gas per day from the Dakota, 8,484 to 8,670 feet.

Copies of the approved application are being distributed to the Federal offices involved and two copies are returned herewith. You are requested to furnish the State of New Mexico and all interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGE, JOHN A. ANDERSON)

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy appln.)
Durango (w/cy appln.)
BIM, Santa Fe (ltr. only)
NMOCC, Santa Fe (ltr. only)

ILLEGIBLE

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

June 12, 1969

551

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. Charles Higgins

Re: Third Expanded Dakota
Participating Area,
San Juan 28-4 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Third Expanded Participating Area for the Dakota formation for the San Juan 28-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Five approved copies of the program are being forwarded to the Director, United States Geological Survey, Roswell, New Mexico.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey - Roswell, New Mexico

C
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Y

El Paso Natural Gas Company

El Paso, Texas 79999

June 10, 1969

MAILED

JUN 11 12 PM '69

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

Re: San Juan 28-4 Unit #14-08-001-933,
Rio Arriba County, New Mexico,
THIRD EXPANDED PARTICIPATING AREA,
Dakota Formation, Effective
December 1, 1968

Gentlemen:

We are enclosing for your approval six (6) copies of an Application for Approval of the Third Expanded Participating Area of the Dakota Formation for the referenced Unit.

If this Application meets with your approval, please execute all copies, retain one copy for your file and forward the remaining copies to the United States Geological Survey in Roswell, New Mexico, for their approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,



Charles Higgins
Supervising Landman
Land Department

CH:JS:sf
Enclosures
San Juan 28-4, 4.3

cc: Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
(with enclosures)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501
(Information only)

El Paso Natural Gas Company

El Paso, Texas 79999

June 10, 1969

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
THIRD EXPANDED PARTICIPATING AREA,
Dakota Formation, Effective
December 1, 1968

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-4 Unit Agreement #14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Third Expanded Participating Area for the Dakota Formation, to wit:

Effective

THIRD EXPANDED PARTICIPATING AREA - December 1, 1968

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 4 West, N.M.P.M.</u>	
Section 32: E/2	320.00
Section 33: W/2	320.00
TOTAL	640.00

These lands are proven to be productive by the following:

The San Juan 28-4 Unit #33 Well, located 890 feet from the South line and 990 feet from the West line of Section 33, Township 28 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on December 1, 1968, and was completed on December 15, 1968, at a total depth of 8697 feet. The Dakota Formation in the intervals

between 8484' - 8508', 8546' - 8556', 8570' - 8583', 8626' - 8631', 8637' - 8642', 8646' - 8652', 8665' - 8670' was treated with a sand-water fracturing process. The well was shut-in on December 21, 1968, and after being shut-in for nine (9) days the Dakota Formation was tested on December 30, 1968, and after a three (3) hour blow-down period the well gauged 2039 MCFGPD through a 3/4" choke and 2183 MCFGPD by the calculated absolute open-flow method with an SIPT of 2684 psia and an SIPC of 2684 psia.

In support of this application, the following listed Exhibits are made a part hereof:

EXHIBIT "A"

Ownership map reflecting the boundaries of the Unit and the Third Expanded Participating Area of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "B"

Geological Report on the Third Expanded Participating Area of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "C"

Plate No. 1: San Juan 28-4 Dakota Structure Map.
Plate No. 2: San Juan 28-4 Dakota Isopach Map.

EXHIBIT "D"

Table 1: Dakota production and deliverability.

Attached hereto is Schedule IV that shows the proposed Third Expanded Participating Area for the Dakota Formation in the San Juan 28-4 Unit Area. This Schedule describes the Third Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

If this Third Expanded Participating Area of the Dakota Formation meets with your approval, please indicate such approval in the space provided below and return an approved copy hereof for our files.

-3-

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

Very truly yours,



Charles Higgins
Supervising Landman
Land Department


CH:JS:sf
Enclosures
San Juan 28-4, 4.3

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

Mrs. Pepita O. Jeffus
Executive Director
New Mexico Oil & Gas
Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

APPROVED: _____
Regional Oil & Gas 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: June 12, 1969

The foregoing approvals are for the Third Expanded Participating Area of the Dakota Formation for the San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company

Mr. Robert Critchfield

General American Oil Company of Texas

Pan American Petroleum Corporation (3)

Phillips Petroleum Company

Mr. M. A. Romero

El Paso Natural Gas Company

El Paso, Texas 79999

February 18, 1969

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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
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: 1969 DRILLING PROGRAM
San Juan 28-4 Unit, #14-08-001-933
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
Oil Conservation Commission

February 14, 1969
February 6, 1969

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:sf

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

San Juan 28-4 Unit - 3.0



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1357
Roswell, New Mexico 88201

43
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February 14, 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 28-4 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. SGD.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional 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)

ILLEGIBLE

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 6, 1969

551

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: 1969 Drilling Program
San Juan 28-4 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 28-4 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

El Paso Natural Gas Company

El Paso, Texas 79999

January 31, 1969

TO
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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
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1969 DRILLING PROGRAM

Gentlemen:

By letter dated January 10, 1968, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1968. Said program provided for the drilling of one Dakota well during the 1968 calendar year which was completed as Unit Well #31 and which necessitated the Second Expansion to the Dakota Participating Area. By letter dated November 20, 1968, El Paso Natural Gas Company filed a revision to the 1968 Drilling Program which provided for the drilling of two (2) additional Dakota wells. The San Juan 28-4 Unit Well #33 has been completed and is presently being evaluated to determine whether it is considered commercial and the San Juan 28-4 Unit Well #32 has reached total depth and is waiting on completion. As soon as the results of both of these wells are available, they will be evaluated and the results of the evaluation will be submitted to the working interest owners and to the appropriate Regulatory Bodies for their concurrence with Unit Operators determinations.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in Mesaverde	1
Dakota	5
	<u>25</u>

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1969, providing for the drilling of no wells during the year.

Mr. John A. Anderson
Oil Conservation Commission
Page Two

January 31, 1969

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 later 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 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:JS:sf
Enclosures
San Juan 28-4 Unit 3.0

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____

Supervisor, United States Geological Survey
Subject to like approval by the Oil Conservation
Commission of the State of New Mexico

DATE: _____

APPROVED: _____

A. L. Porter
Oil Conservation Commission
Subject to like approval by the United States
Geological Survey

DATE: *Feb. 6, 1969*

The foregoing approvals are for the 1969 Drilling Program for the San Juan 28-4 Unit,
#14-08-001-933, Rio Arriba County, New Mexico

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
P. O. Box 9365
Fort Worth, Texas 76107

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National Building
Denver, Colorado 80202

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

Pan American Petroleum Corporation (3)
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Mr. M. A. Romero
P. O. Box 11585, Station E
Albuquerque, New Mexico 87112

El Paso Natural Gas Company

El Paso, Texas 79999

January 13, 1969

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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
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: REVISED 1968 DRILLING PROGRAM
San Juan 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico

Gentlemen:

The Revised 1968 Drilling Program for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey	December 18, 1968
Oil Conservation Commission	January 7, 1969

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:ec

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

January 7, 1969

551

**El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999**

Attention: Mr. T. W. Bittick

**Re: Revised 1968 Drilling
Program, San Juan 28-4
Unit, Rio Arriba County,
New Mexico.**

Gentlemen:

**This is to advise that the New Mexico Oil Conservation
Commission has this date approved the Revised 1968
Drilling Program for the San Juan 28-4 Unit, Rio Arriba
County, New Mexico, subject to like approval by the
United States Geological Survey.**

**One approved copy of the revised program returned here-
with.**

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

ALP/JEK/og

**cc: United States Geological Survey
Roswell, New Mexico**

C
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell 1, New Mexico 83201

IN REPLY REFER TO:

MAIN OFFICE 0-10

60 DEC 23 AM 8 44

December 18, 1968

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your revised 1968 plan of development for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of two Dakota 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,

(ENC. 202) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting 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)

El Paso Natural Gas Company

El Paso, Texas 79999

November 20, 1968

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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
REVISED 1968 DRILLING PROGRAM

Gentlemen:

By letter dated January 10, 1968, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1968. This program provided for the drilling of one Dakota well during the calendar year 1968. This well was drilled and its completion necessitated the Second Revision of the Dakota Participating Area for this Unit.

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Revised Drilling Program which provides for the drilling of two (2) additional wells during the 1968 calendar year. These wells are as follows:

<u>Location</u>	<u>Formation</u>
San Juan 28-4 Unit #32 Well NE/4 Section 32 T-28-N, R-4-W	Dakota
San Juan 28-4 Unit #33 Well SW/4 Section 33 T-28-N, R-4-W	Dakota

These proposed wells will be drilled at the request of Pan American Petroleum Corporation, as the owner of the Drilling Blocks upon which the wells are to be located.

Mr. John A. Anderson
Oil Conservation Commission
Page Two

November 20, 1968

El Paso Natural Gas Company intends to drill these wells to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 200', and an intermediate string will be run through the Pictured Cliffs Formation to approximately 125' into the Lewis Formation and then a production casing string will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing, and the hole below the intermediate string of casing will be drilled with gas. Due care will be taken to protect all horizons.

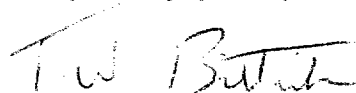
In addition to the above wells, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells requested by the working interest owners.

All of the working interest owners have been contacted, and this Revised Drilling Program reflects, insofar as possible, their requests for additional drilling.

If this Revised 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 Revised 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:JS:nja

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey
Subject to like approval by the Oil Conservation Commission,
State of New Mexico

APPROVED:  DATE: January 7, 1969
Oil Conservation Commission
Subject to like approval by the United States Geological Survey

The foregoing approvals are for the Revised 1968 Drilling Program for the San Juan
28-4 Unit, #14-08-001-933.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
Post Office Box 9365
Fort Worth, Texas 76107

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National Building
Denver, Colorado 80202

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

Pan American Petroleum Corporation (3)
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Mr. M. A. Romero
P. O. Box 11585, Station E
Albuquerque, New Mexico 87112

El Paso Natural Gas Company

El Paso, Texas 79999

May 21, 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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
Approval of the Initial, and First
and Second Expanded Participating
Areas, Dakota Formation, Effective
October 10, 1967, November 1, 1967
and February 1, 1968, respectively.

Gentlemen:

The Initial and First and Second Expanded Participating Areas, Dakota Formation, San Juan 28-4 Unit, were approved by the regulatory bodies on the dates set out below:

1. United States Geological Survey - May 10, 1968
2. Commissioner of Public Lands - Approval not required
3. Oil Conservation Commission - April 3, 1968

Copies of this letter are being sent to all the working interest owners of the San Juan 28-4 Unit.

Yours very truly,

Charles Higgins

Charles Higgins
Supervising Landman
Land Department

MAY 23 PM 1 00

CH:JS:vjh
San Juan 28-4 - 4.3, 5.0

cc: Mrs. Pepita O. Jeffus
Executive Director
New Mexico Oil & Gas Accounting Commission
P. O. Box 2308
Santa Fe, New Mexico 87501

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501
(Information only)



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

551

May 16, 1968

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. Charles Higgins

Gentlemen:

The initial Dakota formation participating area and first and second revisions for the San Juan 28-4 unit agreement, Rio Arriba County, New Mexico, were approved on May 10, 1968, by the Acting Director, Geological Survey, effective as of October 10, 1967, November 1, 1967, and February 1, 1968, respectively.

Two copies of the approved application are enclosed. You are requested to furnish the State of New Mexico and any other interested party with appropriate evidence of this approval.

Sincerely yours,

JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (ltr. only)
NMOCC, Santa Fe (ltr. only) ✓
Farmington (w/cy approved appln.)

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OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

551

April 3, 1968

C
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El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. Charles Higgins

Re: Initial, First, and Second
Expanded Participating Areas,
Dakota Formation, San Juan 28-4
Unit, Rio Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Initial and First and Second Expanded Participating Areas for the Dakota Formation for the San Juan 28-4 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey.

Five approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79999

April 1, 1968

Director
United States Geological Survey
Department of the Interior
Washington 25, D. C.

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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
NOTICE OF DISCOVERY AND REQUEST FOR
APPROVAL OF THE INITIAL AND FIRST
AND SECOND EXPANDED PARTICIPATING
AREAS OF THE DAKOTA FORMATION,
Effective October 10, 1967, November
1, 1967, and February 1, 1968,
respectively.

Gentlemen:

Pursuant to the provisions of Section 11 (b) of the San Juan 28-4 Unit Agreement #14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, determined that the San Juan 28-4 Unit #29 Well, the San Juan 28-4 Unit #30 Well, and the San Juan 28-4 Unit #31 Well, completed in the Dakota Formation, are capable of producing unitized substances in paying quantities from said formation and that Operator hereby respectfully requests approval of the Initial and First and Second Expanded Participating Areas for the Dakota Formation to include the following selection of lands:

INITIAL PARTICIPATING AREA - Effective October 10, 1967

<u>Description of Lands</u>	<u>Acres</u>
Township 28 North, Range 4 West, N.M.P.M.	
Section 31: Lots 1, 2, 3, 4, E/2 W/2 (W/2)	319.56

These lands are proven to be productive by the following:

The San Juan 28-4 Unit #29 Well, located 990 feet from the South line and 790 feet from the West line of Section 31, Township 28 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on September 11, 1967, and was completed on September 29, 1967, at a total depth

of 8,651 feet. The Dakota Formation from 8,404'-8,418', 8,502'-8,518', 8,554'-8,560', 8,572'-8,580', 8,592'-8,600', was treated with a sand-water fracturing process. The well was shut-in on September 30, 1967, and after being shut-in for ten (10) days the Dakota Formation was tested on October 10, 1967, and after a three (3) hour blow-down period the well guaged 2,542 MCFGPD through a 3/4" choke and 2,736 MCFGPD by the calculated absolute open-flow method with a SIPT of 2,537 psia and a SIPC of 2,537 psia.

FIRST EXPANDED PARTICIPATING AREA - Effective November 1, 1967

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 4 West, N.M.P.M.</u>	
Section 31: E/2	320.00

The proposed First Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-4 Unit #30 Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 28-4 Unit #30 Well is located 1,565 feet from the North line and 1,830 feet from the East line of Section 31, Township 28 North, Range 4 West, N.M.P.M. Said well was spudded on October 30, 1967, and completed on November 16, 1967, at a total depth of 8,701 feet. The Dakota Formation in the intervals between 8,456'-8,466', 8,526'-8,534', 8,548'-8,560', 8,608'-8,638', 8,648'-8,658', was treated with a sand-water fracturing process on November 13, 1967. The Dakota Formation was shut-in on November 17, 1967, and after being shut-in for twelve (12) days, the Dakota Formation was tested on November 29, 1967, and following a three (3) hour blow-down period guaged 4,475 MCFGPD through a 3/4" choke and 5,484 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2,684 psia and a SIPT of 2,671 psia.

SECOND EXPANDED PARTICIPATING AREA - Effective February 1, 1968

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 4 West, N.M.P.M.</u>	
Section 32: W/2	320.00

The proposed Second Expanded Participating Area of the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-4 Unit #31 Well is capable of producing unitized substances in paying quantities from the Dakota Formation. This well is as follows:

The San Juan 28-4 Unit #31 Well is located 800 feet from the South line and 1,090 feet from the West line of Section 32, Township 28 North, Range 4 West, N.M.P.M. This well was spudded on January 16, 1968, and completed on February 2, 1968, at a total depth of 8,344 feet. The Dakota Formation in the intervals between 8,102'-8,120', 8,173'-8,181', 8,192'-8,214', 8,258'-8,290', was treated with a sand-water fracturing process on January 31, 1968. The Dakota Formation was shut-in on February 3, 1968, and after being shut-in for eleven (11) days, the Dakota Formation was tested on February 14, 1968, and following a three (3) hour blow-down period guaged 3,654 MCFGPD through a 3/4" choke and 4,305 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2,632 psia and an SIPT of 2,656 psia.

In support of this application, the following listed Exhibits are made a part hereof:

EXHIBIT "A"

Ownership map reflecting the boundaries of the unit and the Initial and First and Second Expanded Participating Areas of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "B"

Geological Report on the Initial and First and Second Expanded Participating Areas of the Dakota Formation within the San Juan 28-4 Unit.

EXHIBIT "C"

Plate No. 1: San Juan 28-4 Dakota Structure Map.
Plate No. 2: San Juan 28-4 Dakota Isopach Map.

EXHIBIT "D"

Table 1: Dakota production and deliverability.

Attached hereto are Schedules I, II, and III that show the proposed Initial and First and Second Expanded Participating Areas for the Dakota Formation in the San Juan 28-4 Unit Area. These schedules describe the Initial and First and Second Expanded Participating Areas, show the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

If these Initial and First and Second Expanded Participating Areas of the Dakota Formation meet with your approval, please indicate such approval in the space provided below and return an approved copy hereof for our files.

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 Charles Higgins
Charles Higgins
Supervising Landman
Land Department

CH:JS:vb

enclosures

San Juan 28-4 Unit, 4.3

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501

APPROVED: _____ DATE: _____
Director, United States Geological Survey
Subject to like approval by the
appropriate State Officials.

APPROVED: A. G. Carter, Jr. DATE: April 3, 1958
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey.

The foregoing approvals are for the Initial and First and Second Expanded Participating Areas of the Dakota Formation for the San Juan 28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
Post Office Box 9365
Fort Worth, Texas 76107

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National Building
Denver, Colorado 80202

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

Pan American Petroleum Corporation (3)
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Mr. M. A. Romero
Post Office Box 1906
Santa Fe, New Mexico 87501

El Paso Natural Gas Company

El Paso, Texas 79999

February 28, 1968

551

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
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: 1968 DRILLING PROGRAM
San Juan 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico

Gentlemen:

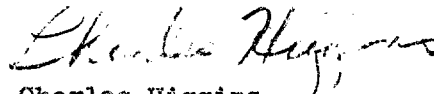
The 1968 Drilling Program for the referenced Unit was approved by the Regulatory Bodies on the dates indicated:

United States Geological Survey
Oil Conservation Commission

February 23, 1968
January 19, 1968

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:vjh

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico

68 FEB 29 PM 1 04

San Juan 28-4 Unit - 3.0



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

551

Drawer 1857
Roswell, New Mexico 88201

February 23, 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 28-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Dakota well, 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)

68 FEB 27 AM 2 39

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 19, 1968

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1968 Drilling Program
San Juan 28-4 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 1968 providing for the drilling of one Dakota well for the San Juan 28-4 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 - Roswell
Commissioner of Public Lands - Santa Fe

El Paso Natural Gas Company

El Paso, Texas 79999

January 10, 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
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 28-4 Unit
#14-08-001-933
Rio Arriba County,
New Mexico
1968 DRILLING PROGRAM

Gentlemen:

By letter dated January 3, 1967, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1967. Said program provided for the drilling of no wells during the 1967 calendar year; however, by letters dated September 5, 1967, and October 23, 1967, El Paso Natural Gas Company filed revisions to the 1967 Drilling Program which provided for the drilling of two (2) Dakota wells. These wells have been completed as Unit wells #29 and #30. They are presently being evaluated to determine whether they are considered commercial. As soon as the evaluation has been completed, the results will be submitted to the working interest owners and to the appropriate Regulatory Bodies for their concurrence with Unit Operators determinations.

As of this date the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in Mesaverde	1
Dakota	<u>2</u>
	22

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following well during the calendar year 1968:

<u>Location</u>	<u>Formation</u>
San Juan 28-4 Unit #31 Well SW/4 Sec. 32, T-28-N, R-4-W	Dakota

El Paso Natural Gas Company intends to drill this well to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 200' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 4,000', and then a production casing string will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing when said casing is run and the hole below the intermediate string of casing will be drilled with gas. Due care will be taken to protect all horizons.

In addition to the above well, 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 later 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, insofar as possible, their desires for additional drilling.

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.

Yours very truly,



T. W. Bittick
Manager
Land Department

TWB:JS:psr
San Juan 28-4 Unit - 3.0

cc: Commissioner of Public Lands (Information only)
State of New Mexico

APPROVED: _____

Supervisor, United States Geological Survey
Subject to like approval by the Oil Conserva-
tion Commission of the State of New Mexico

DATE: _____

APPROVED: _____

Oil Conservation Commission
Subject to like approval by the United States
Geological Survey

DATE: Jan. 19, 1968

The foregoing approvals are for the 1968 Drilling Program for the San Juan
28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

San Juan 28-4 Unit
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
Post Office Box 9365
Fort Worth, Texas 76107

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National Building
Denver, Colorado 80202

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

Pan American Petroleum Corporation (3)
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Mr. M. A. Romero
Post Office Box 1906
Santa Fe, New Mexico 87501

El Paso Natural Gas Company

El Paso, Texas 79999

521

November 3, 1967

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
Post Office Box 2088
Santa Fe, New Mexico 87501

Re: 1967 SECOND REVISED DRILLING PROGRAM
San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico

Gentlemen:

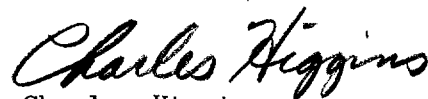
The 1967 Second Revised Drilling Program for the referenced Unit was approved by the regulatory bodies on the dates indicated:

United States Geological Survey
Oil Conservation Commission

October 27, 1967
October 30, 1967

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

Yours very truly,



Charles Higgins
Assistant Supervising Landman
Land Department

CH:JS:psr

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico

San Juan 28-4 Unit - 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

551

October 30, 1967

C El Paso Natural Gas Company
Post Office Box 1492
El Paso, Texas 79999

O Attention: Mr. T. W. Bittick

Re: Second Revised
1967 Drilling Program
San Juan 28-4 Unit
Rio Arriba County, New Mexico

P

Gentlemen:

Y This is to advise that the New Mexico Oil Conservation Commission has this date approved the Second Revised 1967 Drilling Program dated October 23, 1967, for the San Juan 28-4 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,

ALP/JEK/ir

A. L. PORTER, Jr.
Secretary-Director

cc: Commissioner of Public Lands
Santa Fe, New Mexico

U. S. Geological Survey
Drawer 1857
Roswell, New Mexico 88201



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

October 27, 1967

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your revised 1967 plan of development dated October 23, 1967, for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Dakota well, 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,

~~(SIGNED) BILLY J. SNOGER~~

BILLY J. SNOGER
Acting 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)

OCT 30 1967

El Paso Natural Gas Company

El Paso, Texas 79999

October 23, 1967

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

OCT 24 1967

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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
SECOND REVISED 1967 DRILLING PROGRAM

Gentlemen:

By letter dated January 3, 1967, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1967. This program provided for the drilling of no wells during the calendar year 1967.

By letter dated September 5, 1967, El Paso Natural Gas Company, as Unit Operator, submitted a Revised Drilling Program for this Unit which provided for the drilling of San Juan 28-4 Unit #29 Well in the SW/4 of Section 31, Township 28 North, Range 4 West. This well has been drilled in accordance with the procedure outlined in the Revised Drilling Program.

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Second Revised Drilling Program which provides for the drilling of one (1) additional well during the 1967 calendar year. This well is as follows:

<u>Location</u>	<u>Formation</u>
San Juan 28-4 Unit #30 Well NE/4 Section 31, T-28-N, R-4-W	Dakota

This proposed well will be drilled at the request of the Pan American Petroleum Corporation, as the owner of the Drilling Block upon which the well is to be located.

October 23, 1967

El Paso Natural Gas Company intends to drill this well to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 200' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 4300' and then a production casing string will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing when said casing is run and the hole below the intermediate string of casing will be drilled with gas. Due care will be taken to protect all horizons.

In addition to the above well, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells requested by the working interest owners.

All of the working interest owners have been contacted and this Second Revised Drilling Program reflects, insofar as possible, their requests for additional drilling.


If this Second Revised 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 Second Revised Drilling Program are being sent to the working interest owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By


T. W. Bittick

Manager

Land Department

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

(Information only)

APPROVED: _____

DATE: _____

Supervisor, United States Geological Survey
Subject to like approval by the Oil Conservation Commission,
State of New Mexico

APPROVED: _____

DATE: _____

[Handwritten signature]
Oil Conservation Commission
Subject to like approval by the United States Geological Survey

The foregoing approvals are for the Second Revised 1967 Drilling Program
for the San Juan 28-4 Unit, #14-08-001-933.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
Post Office Box 9365
Fort Worth, Texas 76107

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National Building
Denver, Colorado 80202

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

Pan American Petroleum Corporation (3)
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Mr. M. A. Romero
Post Office Box 1906
Santa Fe, New Mexico 87501

551
El Paso Natural Gas Company

El Paso, Texas 79999

October 20, 1967

Mr. John A. Anderson
Regional Oil and Gas Supervisor
Drawer 1857
Roswell, New Mexico 88201

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

Re: 1967 REVISED DRILLING PROGRAM
San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico

Gentlemen:

The 1967 Revised Drilling Program for the referenced Unit was approved by the regulatory bodies on the dates indicated:

United States Geological Survey
Oil Conservation Commission

September 14, 1967
October 3, 1967

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

Yours very truly,

Charles Higgins

Charles Higgins
Assistant Supervising Landman
Land Department

CH:JS:vjh

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico

San Juan 28-4 Unit 3.0

OIL CONSERVATION COMMISSION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

551

October 3, 1967

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: Revised 1967 Drilling Program
San Juan 28-4 Unit, Rio Arriba
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Revised 1967 Drilling Program dated September 5, 1967, for the San Juan 28-4 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
P. O. Drawer 1857
Roswell, New Mexico 88201

C
O
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IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

September 14, 1967

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your revised 1967 plan of development dated September 5, 1967, for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Dakota well, 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.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting 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)

MAILED

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ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas 79999

September 5, 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 871
Santa Fe, New Mexico

67 SEP 11 1967

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
REVISED 1967 DRILLING PROGRAM

Gentlemen:

By letter dated January 3, 1967, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1967. This program provided for the drilling of no wells during the calendar year 1967.

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Revised Drilling Program which provides for the drilling of one (1) well during the 1967 calendar year. This well is as follows:

<u>Location</u>	<u>Formation</u>
San Juan 28-4 Unit #29 Well SW/4 Section 31, T-28-N, R-4-W	Dakota

This proposed well will be drilled at the request of the Pan American Petroleum Corporation, as the owner of the Drilling Block upon which the well is to be located.

El Paso Natural Gas Company intends to drill this well to the base of the Dakota Formation using rotary tools. Surface casing will be set to the depth of approximately 200' and an intermediate string will be run through the Pictured Cliffs Formation to a depth of approximately 4300' and then a production casing string will be run to the base of the Dakota Formation. The casing in the Dakota Formation will then be perforated and the Dakota Formation sub-

September 5, 1967

jected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing when said casing is run and the hole below the intermediate string of casing will be drilled with gas. Due care will be taken to protect all horizons.

In addition to the above well, El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells requested by the working interest owners.

All of the working interest owners have been contacted and this Revised Drilling Program reflects, insofar as possible, their requests for additional drilling.

If this Revised 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 Revised Drilling Program are being sent to the working interest owners shown on the attached sheet.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By


T. W. Bittick

Manager

Land Department

cc: Commissioner of Public Lands (Information only)
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey
Subject to like approval by the Oil Conservation Commission,
State of New Mexico

APPROVED: *A. L. Porter, Jr.* DATE: *October 3, 1967*
Oil Conservation Commission
Subject to like approval by the United States Geological Survey

The foregoing approvals are for the Revised 1967 Drilling Program for the San Juan
28-4 Unit, #14-08-001-933.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
Post Office Box 9365
Fort Worth, Texas 76107

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National Building
Denver, Colorado 80202

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

Pan American Petroleum Corporation (3)
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Mr. M. A. Romero
Post Office Box 1906
Santa Fe, New Mexico 87501

El Paso Natural Gas Company

El Paso, Texas 79999

May 4, 1967

MAIN OFFICE
'67 MAY 5 PM 1 23

507

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. Huerfanito 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

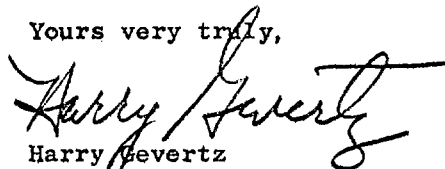
-2-

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

551
Jim

April 26, 1967

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1967 Drilling Program
San Juan 28-4 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 3, 1967, for the San Juan 28-4 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
U. S. Geological Survey - Roswell

C
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IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

February 14, 1967

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1967 plan of development dated January 3, 1967, for the San Juan 28-4 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. 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)

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas 79999

January 3, 1967

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 1148
Santa Fe, New Mexico

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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1967 DRILLING PROGRAM

Gentlemen:

By letter dated February 21, 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 during the 1966 calendar year and none were drilled during the year.

As of this date the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in Mesaverde	<u>1</u> 20

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1967, providing for the drilling of no wells during the year.

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 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 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: 
T. W. Bittick, Manager
Land Department

TWB:JS:ep

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: April 26, 1967

The foregoing approvals are for the 1967 Drilling Program for the San Juan
28-4 Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
P. O. Box 9365
Fort Worth 7, Texas

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National 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, Texas

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, 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. M. A. Romero
P. O. Box 1906
Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas

August 11, 1966

1966 AUG 12 11 11 AM

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 1148
Santa Fe, New Mexico

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

Re: San Juan 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1966 DRILLING PROGRAM

Gentlemen:

The 1966 Drilling Program for the San Juan 28-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 11, 1966
2. Commissioner of Public Lands - March 13, 1966
State of New Mexico
3. Oil Conservation Commission - August 5, 1966
State of New Mexico

Copies of this letter are being sent to all working interest owners of the San Juan 28-4 Unit.

Very truly yours,

EL PASO NATURAL GAS COMPANY


Harry Gevertz
Supervising Landman
Land Department

HG:JS:kw

San Juan 28-4, 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

551

August 5, 1966

C
O
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 28-4 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 28-4 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

El Paso Natural Gas Company

El Paso, Texas 79999

June 17, 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 28-4 Unit
Revised Exhibit "B"
Effective May 1, 1966

Gentlemen:

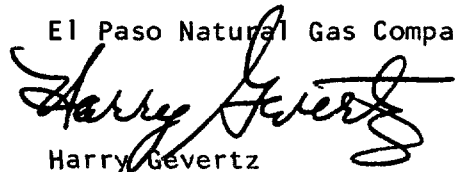
Enclosed are copies of the San Juan 28-4 Unit Exhibit "B" which has been revised effective May 1, 1966.

This Exhibit "B" was mailed to the working interest owners of the San Juan 28-4 Unit under date of May 13, 1966, and they were advised that if they should have any corrections or changes to notify El Paso within ten days. The changes that have been requested have been made, and this Exhibit "B" is now presumed to reflect the correct interests of each working interest owner.

Copies of this letter and Exhibit "B" are being sent to the working interest owners of the San Juan 28-4 Unit.

Very truly yours,

El Paso Natural Gas Company



Harry Gevertz
Supervising Landman
Land Department

HG:GWO:kw
Enclosure

SJ 28-4, 5.0

66 JUN 17 AM 7 38

551

EXHIBIT "B"

Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in all lands in the San Juan 28-4 Unit Agreement

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
FEDERAL LANDS - T-28-N, R-4-W							
1	Sec. 25: All	640.00	Tract Eliminated from Unit Area pursuant to Section 22 of Unit Agreement, as of October 29, 1959.				
1A	Sec. 24: All Sec. 36: N/2	960.00	Tract Eliminated from Unit Area pursuant to Section 22 of Unit Agreement, as of October 29, 1959.				
1A	Sec. 36: S/2	320.00	SF 079525-A 8-1-48 5 years	USA 12 ¹ / ₂ All	E1 Paso Natural Gas Company	Roger B. Owings J. L. Tatum Neville G. Penrose	ALL RIGHTS TO BASE OF MV: E1 Paso Natural Gas Co. All ALL RIGHTS BELOW BASE MV: Champlin Petroleum Company All
2	Sec. 7: Lots 1,2, 3,4,5, SE/4 SW/4, S/2 SE/4	689.76	SF 079727 11-1-48 5 years	USA 12 ¹ / ₂ All	E1 Paso Natural Gas Company	Pecos Land and Development Co., Inc. Robert Critchfield until \$1,000.00 per acre paid	GAS RIGHTS BEFORE PAYOUT: E1 Paso Natural Gas Co. All OIL RIGHTS BEFORE PAYOUT: General American Oil Co. All
Sec. 8: Lots 1,2, 3,4, S/2 S/2						M. A. Romero	GAS RIGHTS AFTER PAYOUT: E1 Paso Natural Gas Co. 90.00%
Sec. 9: Lots 1,2,3, 4, S/2 S/2						Pecos Land and Development Co., Inc.	M. A. Romero) Robert Critchfield) 10.00%
							OIL RIGHTS AFTER PAYOUT: General American Oil Co. 90.00%
							M. A. Romero) Robert Critchfield) 10.00%
3	Sec. 10: Lots 1,2, 3,4, S/2 S/2	1,326.84	SF 079727-A 11-1-48 5 years	USA 12 ¹ / ₂ All	E1 Paso Natural Gas Company	M. A. Romero Robert Critchfield Pecos Land and Development Co., Inc.	GAS RIGHTS TO BASE OF MV: E1 Paso Natural Gas Co. All BELOW BASE OF MESAVERDE: *E1 Paso Natural Gas Co. All
Sec. 11: Lots 1,2,3, 4, S/2 S/2							
Sec. 12: Lots 1,2,3, 4, S/2 S/2							
Sec. 13: All							

Working Interest Owner Under
Option Agreement, Operating
Agreement or Assignment and
Percentage of Interest

Overriding Royalty
Owner & Percentage

Record Owner
of Lease or
Application

Serial No.
and
Lease Date

No. of
Acres

Tract
No. Description

FEDERAL LANDS - T-28-N, R-4-W CONTINUED:

8	Sec. 31:	Lots 1, 2,3,4, E/2 W/2, E/2	639.56	SF 079732 11-1-48 5 years	USA 12 ¹ / ₂ All	E1 Paso Natural Gas Company	M. A. Romero	2.5000%	GAS RIGHTS TO BASE OF MV: E1 Paso Natural Gas Co. All GAS RIGHTS BELOW BASE OF MV & ALL OIL RIGHTS: Pan American Petroleum Corp. All
9	Sec. 18:	Lots 1, 2,3,4, E/2 W/2, E/2	1,917.00	NM 03862 11-1-48 5 years	USA 12 ¹ / ₂ All	E1 Paso Natural Gas Company	Pecos Land and Development Co., Inc. Robert Critchfield until \$1,000.00 per acre paid M. A. Romero 1.6406% Pecos Land and Development Co., Inc. 1.7344% 4531% 4.3750%		GAS RIGHTS BEFORE PAYOUT: E1 Paso Natural Gas Co. All OIL RIGHTS BEFORE PAYOUT: General American Oil Co. All GAS RIGHTS AFTER PAYOUT: E1 Paso Natural Gas Co. 90% M. A. Romero) Robert Critchfield) 10% OIL RIGHTS AFTER PAYOUT: General American Oil Co. 90% M. A. Romero) Robert Critchfield) 10%
10	Sec. 28: Sec. 29:	All All	1,280.00	NM 03863 11-1-48 5 years	USA 12 ¹ / ₂ All	E1 Paso Natural Gas Company	Pecos Land and Development Co., Inc. Robert Critchfield until \$1,000.00 per acre paid M. A. Romero 1.6406% Pecos Land and Development Co., Inc. 1.7344% 4531% 4.3750%		GAS RIGHTS BEFORE PAYOUT: E1 Paso Natural Gas Co. All OIL RIGHTS BEFORE PAYOUT: General American Oil Co. All GAS RIGHTS AFTER PAYOUT: E1 Paso Natural Gas Co. 90% M. A. Romero) Robert Critchfield) 10% OIL RIGHTS AFTER PAYOUT: General American Oil Co. 90% M. A. Romero) Robert Critchfield) 10%

9 FEDERAL LAND TRACTS - 10,013.16 Acres

EXHIBIT "B"
San Juan 28-4 Unit

RECAPITULATION

	<u>Number of Tracts</u>	<u>Acreage</u>	<u>Percentage</u>
Federal Land	9	10,013.16	100.00%
State Land	0	None	None
Patented Land	<u>0</u>	<u>None</u>	<u>None</u>
	9	10,013.16	100.00%

*Subject to overriding royalty and production payments held by Phillips Petroleum Company as set out in Sublease and Operating Agreement, dated February 23, 1955, between Phillips Petroleum Company and Pacific Northwest Pipeline Corporation. Subject to production payments and interests of Phillips Petroleum Company as set out in agreement dated April 21, 1959, between Phillips Petroleum Company and El Paso Natural Gas Company. El Paso Natural Gas Company succeeded to all rights and obligations of Pacific Northwest Pipeline Corporation by merger of 12-31-59.

**Subject to Overriding and Production Payment as set out in Agreement dated February 22, 1955, between The Chicago Corporation and Pacific Northwest Pipeline Corporation. Champlin Petroleum Company is now a wholly owned subsidiary of Celanese Corporation of America.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

APR 11 AM 1966

April 11, 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 21, 1966, for the San Juan 28-4 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. SGD.)

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)

RPearcy:jh:4-11-66

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas 79999

February 21, 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
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 28-4 Unit #14-08-001-933
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 during the 1965 calendar year and none were drilled during the year.

As of this date the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in Mesaverde	$\frac{1}{20}$

The following wells are located on lands that have been eliminated from said Unit. These will not be carried on future drilling programs of said Unit:

San Juan 28-4 Unit #3, S/2 Sec. 14, T-28-N, R-4-W	1
San Juan 28-4 Unit #4, S/2 Sec. 26, T-28-N, R-4-W	1
San Juan 28-4 Unit #24-26, S/2 Sec. 26, T-28-N, R-4-W	$\frac{1}{3}$

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1966, providing for the drilling of no wells during the year.

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 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 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


T. W. Bittick, Manager
Land Department

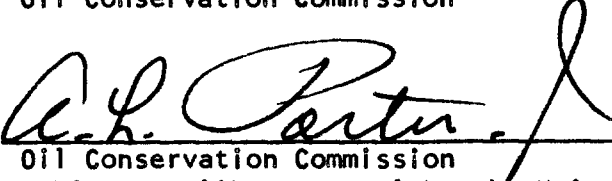
TWB:GW0:cg

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

8-5-66

The foregoing approvals are for the 1966 Drilling Program for the San Juan 28-4
Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
P. O. Box 9365
Fort Worth 7, Texas

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National 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, Texas

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, 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. M. A. Romero
P. O. Box 1906
Santa Fe, 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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1965 DRILLING PROGRAM

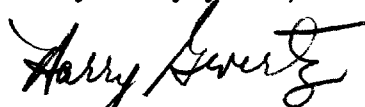
Gentlemen:

The 1965 Drilling Program for the San Juan 28-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 1, 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 28-4 Unit.

Very truly yours,



Harry Gevertz
Regional Landman
Land Department

HG:GWO:kf

SJ 28-4, 3.0



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

April 1, 1965

551

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 28-4 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 plan)
Farmington (w/cy plan)
NMOCC, Santa Fe (ltr. only) ✓
Com. of Pub. Lands, Santa Fe (ltr. only)

ILLEGIBLE

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

551

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 28-4 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 28-4 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 - Santa Fe
United States Geological Survey - Roswell

C
O
P
Y

March 11, 1965

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

Re: San Juan 28-4 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 28-4 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/mar/d

Enclosure

cc: United States Geological Survey
Oil Conservation Commission

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Foswell, New Mexico

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1965 DRILLING PROGRAM

Gentlemen:

By letter dated February 25, 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 during the 1964 calendar year and none were drilled in subject unit during 1964.

As of this date the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in MV	1
Non-Commercial, Mesaverde	1
Temporarily Abandoned, Pictured Cliffs	1
Plugged and Abandoned, Mesaverde-Dakota	1
	<u>23</u>

Pursuant to Section 10 of the San Juan 28-4 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 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.

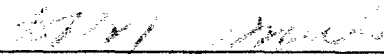
El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances, and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners due to changing conditions that may arise.

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

SS: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. Senter, 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 28-4
Unit, #14-08-001-933, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

Champlin Petroleum Company
Attention: Mr. C. Taylor Pruitt
P. O. Box 9365
Fort Worth 7, Texas

Champlin Petroleum Company
Attention: Mr. Jack Yeisley
2501 First National 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, Texas

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, 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. M. A. Romero
P. O. Box 1906
Santa Fe, New Mexico

55/
El Paso Natural Gas Company

El Paso, Texas

May 8, 1964

1964 MAY 12 AM 11 21

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 28-4 Unit, #14-08-001-933
Rio Arriba County, New Mexico
1964 DRILLING PROGRAM

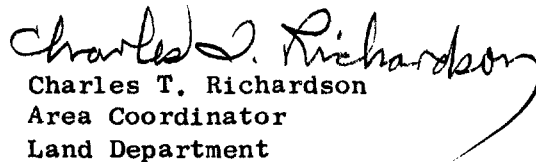
Gentlemen:

The 1964 Drilling Program for the San Juan 28-4 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 22, 1964
2. Commissioner of Public Lands,
State of New Mexico - April 1, 1964
3. Oil Conservation Commission,
State of New Mexico - April 8, 1964

Copies of this letter are being sent to all the working interest owners of the San Juan 28-4 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:js

SJ 28-4, 3.0

MAIN OFFICE 000

1964 APR 27 AM 8 24

Drawer 1857
Roswell, New Mexico 88201

April 22, 1964

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1964 plan of development dated January 25, 1964, for the San Juan 28-4 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.Sgd.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting 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)

ILLEGIBLE

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

551

April 8, 1964

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

Attention: Mr. Sam Smith

Re: 1964 Drilling Program
San Juan 28-4 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 28-4 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
U. S. Geological Survey - Farmington

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas

February 25, 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 28-4 Unit #14-08-001-933
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 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in MV	1
Non-Commercial, Mesaverde	1
Temporarily Abandoned, Pictured Cliffs	1
Plugged and Abandoned, Mesaverde-Dakota	<u>1</u>
	23

Pursuant to Section 10 of the San Juan 28-4 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 the drilling of no wells during the year.

All of the working interest owners have been notified 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.

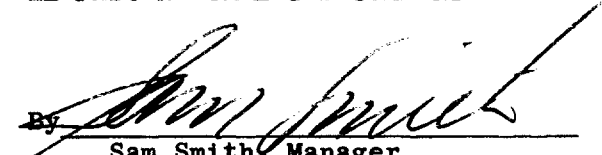
El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances, and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

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 as 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. F. Parker, Jr.*
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: 11-8-61

The foregoing approvals are for the San Juan 28-4 Unit, #14-08-001-933, 1964
Drilling Program, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT

Working Interest Owners

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 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, Texas

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, 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. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas

May 16, 1963

561

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1963 DRILLING PROGRAM


Gentlemen:

The 1963 Drilling Program for the San Juan 28-4 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 28-4 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

551

May 2, 1963

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

Attention: Mr. Sam Smith

Re: 1963 Drilling Program
San Juan 28-4 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 28-4 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

C
O
P
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MAIN OFFICE OCC

1963 APR 15 AM 11:45
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 28-4 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)

RECEIVED
1963 FEB 15 PM 4 33

February 15, 1963

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

Re: San Juan 28-4 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 28-4 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

ESW/mmr/e

encl: United States Geological Survey
cc: Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

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. 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1963 DRILLING PROGRAM

Gentlemen:

By letter dated June 25, 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 one (1) Mesaverde well. This well was completed on October 8, 1962, on lands that had been previously included in the Mesaverde Participating Area.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	18
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in MV	1
Non-Commercial (Mesaverde)	1
Temporarily Abandoned (PC)	1
Plugged and Abandoned (MV-Dakota)	1
	<u>23</u>

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program which 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 notified 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 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 as 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 San Juan 28-4 Unit, #14-08-001-933,
1963 Drilling Program, Rio Arriba County, New Mexico.

SAN JUAN 28-4 UNIT
Working Interest Owners

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 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, Texas

Pan American Petroleum Corporation (12)
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, 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. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

El Paso Natural Gas Company

551

El Paso, Texas

December 27, 1962

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 28-4 Unit #14-08-001-933
NOTICE OF COMPLETION OF ADDITIONAL
WELL - Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one additional well capable of producing unitized substances in commercial quantities from the Mesaverde Formation has been completed upon acreage committed to the unit. This well is as follows:

The San Juan 28-4 Unit #28 Well, located 1540' from the North line and 1180' from the East line of Section 19, Township 28 North, Range 4 West, Rio Arriba County, New Mexico, was spudded on September 11, 1962, and completed on October 8, 1962, in the Mesaverde Formation at a total depth of 6633'. The Mesaverde Formation in the intervals between 6402' - 6408', 6420' - 6426', 6452' - 6458', 6512' - 6518', 6530' - 6536' was treated with a sand-water fracturing process on October 5, 1962. The Mesaverde Formation was shut-in on October 8, 1962, and after being shut-in for gauge for sixteen (16) days, the well was

tested on October 24, 1962, and following a three (3) hour blow-down period the Mesaverde Formation gauged 4336 MCFGPD through a 3/4" choke, and 6517 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1174 PSIA and an SIPT of 825 PSIA. The committed drilling block upon which this well is located is described as the N/2 of Section 19, Township 28 North, Range 4 West, containing 319.54 acres.

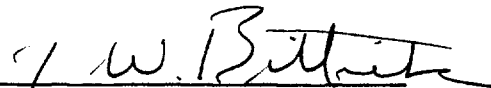
This drilling block was included in the San Juan 28-4 Twelfth Expanded Participating Area for the Mesaverde Formation, effective November 1, 1961, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick
Assistant Manager
Land Department

TWB:GWO:ag

SAN JUAN 28-4 UNIT
Working Interest Owners

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 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, Texas

Pan American Petroleum Corporation (12)
Attention: Mr. T. M. Curtis
P. O. Box 480
Farmington, New Mexico

Phillips Petroleum Company
Attention: Mr. R. F. Rood
402 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: C. W. Corbett, Manager
Exploration & Production Department
1200 Denver Club Building
Denver 2, Colorado

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

551

El Paso Natural Gas Company

El Paso, Texas

September 11, 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1962 DRILLING PROGRAM

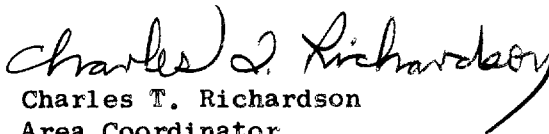
Gentlemen:

The 1962 Drilling Program for the San Juan 28-4 Unit was approved by the regulatory bodies as follows:

1. United States Geological Survey - August 6, 1962
2. Commissioner of Public Lands - June 26, 1962
3. Oil Conservation Commission - August 22, 1962

Copies of this letter are being sent to the working interest owners of the San Juan 28-4 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:cah

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

251

August 22, 1962

C
O
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Y

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

Attention: Mr. Sam Smith

Re: 1962 Drilling Program
San Juan 28-4 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 28-4 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: U. S. Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

551

NO 7 Drawn 1857
Roswell, New Mexico

August 6, 1962

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1962 plan of development dated June 25, 1962, for the San Juan 28-4 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Mesaverde formation well in the N $\frac{1}{2}$ sec. 19, T. 28 N., R. 4 W., N.M.P.M., 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)

C
O
P
Y

June 26, 1962

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

Re: 1962 Drilling Program,
San Juan 28-4 Unit,
Rio Arriba County,
New Mexico

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands has of this date approved the 1962 Drilling Program for the San Juan 28-4 Unit, Rio Arriba County, New Mexico.

We are enclosing one approved copy.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

BY:
(Mrs.) Marian M. Rhea, Supervisor
Unit Division

ESW/mmr/v
cc: U. S. Geological Survey
Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

ILLEGIBLE

El Paso Natural Gas Company

El Paso, Texas

June 25, 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
1962 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1961, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program regarding the captioned unit for the calendar year 1961. Said program provided for the drilling of one (1) Mesa-verde well. This well was completed on September 23, 1961, as a gas well capable of producing unitized substances in paying quantities and has been admitted to the Mesaverde Participating Area effective November 1, 1961.

As of this date, the total number of wells in the San Juan 28-4 Unit is as follows:

Pictured Cliffs	1
Mesaverde	17
Pictured Cliffs-Mesaverde, dual which is commercial in PC and non-commercial in MV	1
Non-Commercial (Mesaverde)	1
Temporarily Abandoned (PC)	1
Plugged and Abandoned (MV-Dakota)	1
	<u>22</u>

Pursuant to Section 10 of the San Juan 28-4 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following described well during the period from January 1, 1962, to December 31, 1962:

<u>DRILLING BLOCK</u>	<u>FORMATION</u>
N/2 Section 19, T-28-N, R-4-W	Mesaverde

In addition to the above well, El Paso Natural Gas Company, 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 block.

El Paso Natural Gas Company, as Unit Operator, intends to drill the above listed Mesaverde well to the base of the Mesaverde Formation using rotary tools. Surface casing will be set to approximately 150' below the surface and an intermediate string will be set through the Pictured Cliffs Formation to a depth of approximately 3200'. A production liner will be set through the Mesaverde Formation, and the casing of the Mesaverde Formation will then be selectively perforated and the Mesaverde Formation will be subjected to a hydraulic fracturing process. Mud will be used in setting the intermediate string of casing, and the hole below the intermediate string will be drilled with gas. Due care will be taken to protect all horizons.

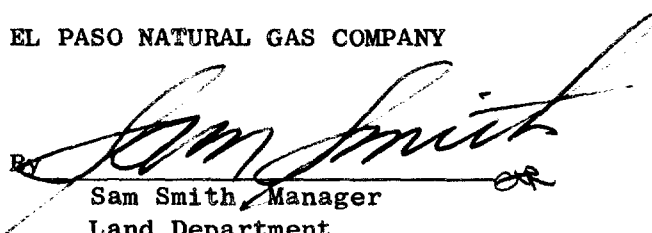
All of the working interest owners have been notified and this Drilling Program reflects, insofar as possible, their requests for additional drilling.

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 as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY


By Sam Smith, Manager
Land Department

SS:PNP:cah

SAN JUAN 28-4 UNIT
Working Interest Owners

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 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, Texas

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
P.O. Box 480
Farmington, New Mexico

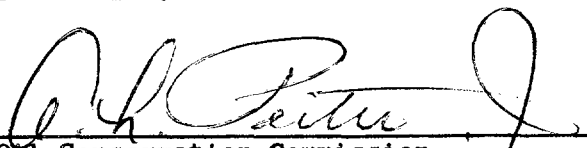
Phillips Petroleum Company
Attention: Mr. R. F. Rood or Mr. V. H. Stone
508 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Division Landman
Land & Geological Department
1200 Denver Club Building
Denver 2, Colorado

Mr. M. A. Romero
P.O. Box 2011
Santa Fe, 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: 8-22-62
Oil Conservation Commission
Subject to like approval by the United States
Geological Survey & the Commissioner of Public
Lands.

The foregoing approvals are for the San Juan 28-4 Unit, #14-08-001-933,
1962 Drilling Program, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

El Paso, Texas

November 27, 1961

551

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
TWELFTH EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective November 1, 1961

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-4 Unit Agreement, #14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that one (1) additional well capable of producing unitized substances in paying quantities has been completed on acreage committed to this Unit, and that the Participating Area for the Mesaverde Formation is accordingly expanded. The well information is as follows:

San Juan 28-4 Unit #27 Well is located 990' from the South line and 1690' from the West line of Section 19, Township 28 North, Range 4 West, Rio Arriba County, New Mexico. This well was spudded on September 6, 1961, and completed September 23, 1961 in the Mesaverde Formation at a total depth of 6662'. The Mesaverde Formation between 6442' - 6450', 6476' - 6480', 6486' - 6490', 6556' - 6564', 6568' - 6578', 6582' - 6590', 6608' - 6616' was perforated and treated with a sand-water fracturing process. After being shut-in for twenty-six (26) days, the Mesaverde Formation was tested on October 19, 1961, and following a three (3) hour blow down period gauged 3662 MCFGPD through a 3/4" choke and 6105 MCFGPD by the calculated absolute open flow method, with an SIPC of 1158 PSIA and an SIPT of 1156 PSIA. The committed drilling block upon which this well is located is described as the S/2 of Section

19, Township 28 North, Range 4 West, N.M.P.M., containing 319.38 acres. This drilling block is hereby admitted to the Mesaverde Participating Area effective November 1, 1961.

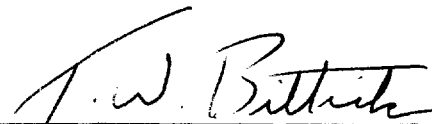
The completion of the San Juan 28-4 Unit #27 Well creates one (1) intervening drilling block which is described as the N/2 of Section 19, Township 28 North, Range 4 West, N.M.P.M., containing 319.54 acres. Under the terms of the San Juan 28-4 Unit Agreement, the above described drilling block is admitted to the Mesaverde Participating Area as of November 1, 1961 and a well must be commenced on the said block by November 1, 1962.

Attached is Schedule XIII, showing the Twelfth Expanded Participating Area for the Mesaverde Formation of the San Juan 28-4 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 therefor, and in the absence of disapproval, this Twelfth Expanded Participating Area will become effective as of November 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick
Assistant Manager
Land Department

TWB:PNP:js
Attachments

SAN JUAN 28-4 UNIT
Working Interest Owners

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 Building
Denver 2, Colorado

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

General American Oil Company of Texas
Meadows Building
Dallas, Texas
Attention: Mr. James W. Goss, Jr.

Mr. T. M. Curtis
Pan American Petroleum Corporation
P. O. Box 480
Farmington, New Mexico

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood
Mr. V. H. Stone

Phillips Petroleum Company
Attention: Division Landman
Land and Geological Department
1200 Denver Club Building
Denver 2, Colorado

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

SCHEDULE XIII
TWELFTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-4 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 1-A</u>						
SF 079525-A	<u>T-28-N, R-4-W</u> <u>Sec. 36: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 83.75% <u>3.75%</u> 100.00%	12.50% 83.75% <u>3.75%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
San Juan 28-4 <u>MV Well #8-36</u>	<u>Sec. 36: S/2</u>	<u>320.00</u>				<u>5.647285%</u>
<u>Tract 2</u>						
SF 079727	<u>T-28-N, R-4-W</u> <u>Sec. 7: A11</u>	229.88	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% <u>5.00%</u> 100.00%	12.50% 82.50% <u>5.00%</u> 100.00%	<u>4.056868%</u>
<u>TOTAL</u>						
San Juan 28-4 <u>Well #21-7</u>	<u>Sec. 7: A11</u>	<u>229.88</u>				<u>4.056868%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 17: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
San Juan 28-4 <u>MV Well #2</u>	<u>Sec. 17: S/2</u>	<u>320.00</u>				<u>5.647285%</u>

Effective November 1, 1961

Page 1

Effective November 1, 1961

SCHEDULE XIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: N/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.000%		<u>5.647285%</u>
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 85.00% <u>2.50%</u> 100.00%	12.50% 85.00% <u>2.50%</u> 100.00%	<u>5.647285%</u>
<u>TOTAL</u>						
				100.00%		<u>5.647285%</u>
<u>Tract 5</u>						
SF 079729	<u>T-28-N, R-4-W</u> <u>Sec. 20: S/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% <u>4.375%</u> 100.000%	12.500% 83.125% <u>4.375%</u> 100.000%	<u>5.647285%</u>
<u>TOTAL</u>						
				10		

Effective November 1, 1961

SCHEDULE XIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 33: S/2</u>	320.00	<u>Tract 7</u>		12.50%	<u>5.647285%</u>
			Royalty;	12.50%		
			Working Interest:			
			El Paso Natural Gas Co.;	85.00%		
			ORRI;	<u>2.50%</u>		
TOTAL	<u>100.00%</u>	<u>100.00%</u>				
<u>Tract 7</u>						
San Juan 28-4 MV Well #12-33	<u>Sec. 33: S/2</u>	<u>320.00</u>	<u>Tract 7</u>		12.50%	<u>5.647285%</u>
			Royalty;	12.50%		
			Working Interest:			
			El Paso Natural Gas Co.;	85.00%		
			ORRI;	<u>2.50%</u>		
TOTAL	<u>100.00%</u>	<u>100.00%</u>				
<u>Tract 7</u>						
SF 079731	<u>T-28-N, R-4-W</u> <u>Sec. 32: N/2</u>	320.00	<u>Tract 7</u>		12.50%	<u>5.647285%</u>
			Royalty;	12.50%		
			Working Interest:			
			El Paso Natural Gas Co.;	85.00%		
			ORRI;	<u>2.50%</u>		
TOTAL	<u>100.00%</u>	<u>100.00%</u>				
<u>Tract 7</u>						
San Juan 28-4 MV Well #5-32 (also known as 1 C. Valdez #1)	<u>Sec. 32: N/2</u>	<u>320.00</u>	<u>Tract 8</u>		12.50%	<u>5.647285%</u>
			Royalty;	12.50%		
			Working Interest:			
			El Paso Natural Gas Co.;	85.00%		
			ORRI;	<u>2.50%</u>		
TOTAL	<u>100.00%</u>	<u>100.00%</u>				
<u>Tract 8</u>						
SF 079732	<u>T-28-N, R-4-W</u> <u>Sec. 31: N/2</u>	319.74	<u>Tract 8</u>		12.50%	<u>5.642696%</u>
			Royalty;	12.50%		
			Working Interest:			
			El Paso Natural Gas Co.;	85.00%		
			ORRI;	<u>2.50%</u>		
TOTAL	<u>100.00%</u>	<u>100.00%</u>				
<u>Tract 8</u>						
San Juan 28-4 MV Well #11-31	<u>Sec. 31: N/2</u>	<u>319.74</u>	<u>Tract 8</u>		12.50%	<u>5.642696%</u>
			Royalty;	12.50%		
			Working Interest:			
			El Paso Natural Gas Co.;	85.00%		
			ORRI;	<u>2.50%</u>		
TOTAL	<u>100.00%</u>	<u>100.00%</u>				
<u>Tract 8</u>						

Effective November 1, 1961

SCHEDULE XIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 8</u>						
SF 079732	<u>T-28-N, R-4-W</u> Sec. 31: Lots 3 & 4 E/2 SW/4, SE/4	319.82	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 85.00% 2.50% <u>100.00%</u>	12.50% 85.00% 2.50% <u>100.00%</u>	<u>5.644108%</u>
<u>Tract 9</u>						
San Juan 28-4 <u>Well #18-31</u>	<u>Sec. 31: S/2</u>	<u>319.82</u>			<u>100.00%</u>	<u>5.644108%</u>
NM 03862	<u>T-28-N, R-4-W</u> Sec. 30: Lots 1 & 2 E/2 NW/4, NE/4	319.41	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 83.125% 4.375% <u>100.000%</u>	12.500% 83.125% 4.375% <u>100.000%</u>	<u>5.636872%</u>
<u>Tract 9</u>						
San Juan 28-4 <u>Well #16-30</u>	<u>Sec. 30: N/2</u>	<u>319.41</u>			<u>100.000%</u>	<u>5.636872%</u>
<u>Tract 9</u>						
NM 03862	<u>T-28-N, R-4-W</u> Sec. 30: Lots 3 & 4 E/2 SW/4, SE/4	319.63	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.500% 83.125% 4.375% <u>100.000%</u>	12.500% 83.125% 4.375% <u>100.000%</u>	<u>5.640755%</u>
<u>Tract 9</u>						
San Juan 28-4 <u>Well #20-30</u>	<u>Sec. 30: S/2</u>	<u>319.63</u>			<u>100.000%</u>	<u>5.640755%</u>

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SCHEDULE XIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03862	<u>T-28-N, R-4-W</u>	<u>319.56</u>	<u>Tract 9</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL			
	<u>Sec. 18: Lots 3, 4, E/2 SW/4, SE/4</u>			12.500%	12.500%	<u>5.639519%</u>
				83.125%	83.125%	
				<u>4.375%</u>	<u>4.375%</u>	
				<u>100.000%</u>	<u>100.000%</u>	
San Juan 28-4 <u>#26-18 Well</u>	<u>Sec. 18: S/2</u>	<u>319.56</u>	<u>Tract 9</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL			
				12.500%	12.500%	<u>5.636343%</u>
				83.125%	83.125%	
				<u>4.375%</u>	<u>4.375%</u>	
				<u>100.000%</u>	<u>100.000%</u>	
NM 03862	<u>T-28-N, R-4-W</u>	<u>319.38</u>	<u>Tract 9</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL			
	<u>Sec. 19: Lots 3, 4, E/2 SW/4, SE/4</u>			12.500%	12.500%	<u>5.638107%</u>
				83.125%	83.125%	
				<u>4.375%</u>	<u>4.375%</u>	
				<u>100.000%</u>	<u>100.000%</u>	
San Juan 28-4 <u>#27 Well</u>	<u>Sec. 19: S/2</u>	<u>319.38</u>	<u>Tract 9</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL			
				12.500%	12.500%	<u>5.638107%</u>
				83.125%	83.125%	
				<u>4.375%</u>	<u>4.375%</u>	
				<u>100.000%</u>	<u>100.000%</u>	
NM 03862	<u>T-28-N, R-4-W</u>	<u>319.48</u>	<u>Tract 9</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL			
	<u>Sec. 18: N/2</u>			12.500%	12.500%	<u>5.638107%</u>
				83.125%	83.125%	
				<u>4.375%</u>	<u>4.375%</u>	
				<u>100.000%</u>	<u>100.000%</u>	
San Juan 28-4 <u>MV Well #1</u>	<u>Sec. 18: N/2</u>	<u>319.48</u>	<u>Tract 9</u> Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL			
				12.500%	12.500%	<u>5.638107%</u>
				83.125%	83.125%	
				<u>4.375%</u>	<u>4.375%</u>	
				<u>100.000%</u>	<u>100.000%</u>	

Effective November 1, 1961

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03862	T-28-N, R-8-W Sec. 19: Lots 1, 2, E/2 NW/4, NE/4	319.54	Tract 9			
	Royalty;			12.500%	12.500%	5.639167%
	Working Interest;			83.125%	83.125%	
	El Paso Natural Gas Co.;			4.375%	4.375%	
	ORRI;			100.000%	100.000%	
	TOTAL					
No Well	Sec. 19: N/2	319.54			100.000%	5.639167%
			Tract 10			
NM 03863	T-28-N, R-4-W Sec. 29: N/2	320.00				
	Royalty;			12.500%	12.500%	5.647285%
	Working Interest;			83.125%	83.125%	
	El Paso Natural Gas Co.;			4.375%	4.375%	
	ORRI;			100.000%	100.000%	
	TOTAL					
San Juan 28-4	Sec. 29: N/2	320.00			100.000%	5.647285%
MV Well #14-29			Tract 10			
NM 03863	T-28-N, R-4-W Sec. 29: S/2	320.00				
	Royalty;			12.500%	12.500%	5.647285%
	Working Interest;			83.125%	83.125%	
	El Paso Natural Gas Co.;			4.375%	4.375%	
	ORRI;			100.000%	100.000%	
	TOTAL					
No Well	Sec. 29: S/2	320.00			100.000%	5.647285%

SCHEDULE XIII
 TWELFTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 28-4 UNIT AREA

RECAPITULATION

Description of lands in Participating Area:

Township 28 North, Range 4 West, N.M.P.M.
 Section 7: All
 Section 17: S/2
 Section 18: All
 Section 19: All
 Section 20: All
 Section 29: All
 Section 30: All
 Section 31: All
 Section 32: All
 Section 33: S/2
 Section 36: S/2

Total Number of Acres in Participating Area:	5666.44
Percentage of Working Interest Committed:	100.00%
Percentage of Basic Royalty Interest Committed:	100.00%
Percentage of Overriding Royalty Interest Committed:	100.00%