



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

December 1, 1982

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

Case 467

Northwest Pipeline Corp.
1125 Seventeenth Street
Suite 2140
Denver, CO 80202

ATTENTION: Kathy Michael

RE: San Juan 31-6 Unit
Additional Well Completion
Mesaverde Formation
Rio Arriba County, NM

Dear Ms. Michael:

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

Sincerely,

A handwritten signature in black ink that reads "Roy E. Johnson". The signature is fluid and cursive, with a long horizontal line extending to the right.

Roy E. Johnson
Petroleum Geologist

REJ/dp

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

Case 701
R# 256

NORTHWEST PIPELINE CORPORATION

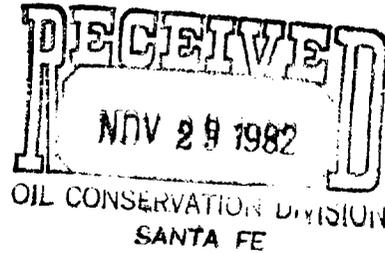
LAND DEPARTMENT

November 22, 1982

1125 Seventeenth Street, Suite 2140
Denver, Colorado 80202
303-620-3559

Assistant Area Oil and Gas Supervisor
Minerals Management Service
Western National Bank Building
505 Marquette NW, Suite 815
Albuquerque, New Mexico 87102

State of New Mexico
Commissioner of Public Lands
Attn: Mr. Ray D. Graham
P. O. Box 1148
Santa Fe, New Mexico 87501



State of New Mexico
Oil Conservation Commission
Attn: Mr. Joe Ramey
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF
ADDITIONAL WELL
MESAVERDE FORMATION

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this Unit.

The well data is as follows:

The San Juan Unit No. 7A Well is located 990 feet from the South Line and 1830 feet from the East Line, Section 1, Township 30 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 11, 1981 and completed on November 5, 1981 in the Mesaverde Formation at a plug back depth of 5665'. The Mesaverde Formation was perforated with 26 holes at depths of:

5166' - 5626'

These perforations were treated with 10,000 gallons pad treated water followed by a sand/water fracturing. The well was shut-in with a SIPT of 690 psig and SIPC of 690 psig. On November 5, 1981, the well was tested and after flowing for three (3) hours through a 2 x .750 inch variable choke on the 2 3/8 inch tubing, the well gauged 2834 MCFD with a calculated AOF of 5461 MCFD.

Minerals Management Service
Commissioner of Public Lands
Oil Conservation Commission
November 22, 1982
Page Two

The committed drilling block upon which this well is located is described as the E/2 of Section 1, T30N-R7W, Rio Arriba County, New Mexico containing 320.00 acres.

This drilling block was included in the San Juan 31-6 Unit Third Expanded Participating Area effective August 1, 1955.

Since this well as drilled within the existing Mesaverde Formation Participating Area, the Participating Area is not enlarged by virtue of this infill well, and the percentage of participation remains the same.

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

Very truly yours,



Kathy Michael
Supervisor/Land Department

KM:bs
attachment

SAN JUAN 31-6
WORKING INTEREST OWNERS

MATAGORDA OIL COMPANY
C/O TEXAS NATIONAL BANK OF COMMERCE
ATTN: OIL & GAS DEPARTMENT
P. O. BOX 2558
HOUSTON, TEXAS 77001

GETTY OIL COMPANY
ATTN: MR. T. L. DITMORE
THREE PARK CENTRAL - SUITE 700
DENVER, COLORADO 80202

CONTINENTAL OIL COMPANY
ATTN: MR. L. P. THOMPSON
P. O. BOX 460
HOBBS, NEW MEXICO 88240

CRA INTERNATIONAL LTD.
ATTN: PARTNER OPERATIONS
5416 S. YALE AVENUE
Tulsa, Oklahoma 74135

TENNECO OIL COMPANY
ATTN: MR. R. J. GIBB
P. O. BOX 3249
ENGLEWOOD, COLORADO 80155

PWG PARTNERSHIP
SANDIA SAVINGS BLDG. - SUITE 800
400 GOLD AVENUE, S.W.
ALBUQUERQUE, NEW MEXICO 87102

THE WISER OIL COMPANY
P. O. BOX 2467
HOBBS, NEW MEXICO 88240

PHILLIPS PETROLEUM COMPANY
ATTN: M. K. STUDY
8055 E. TUFTS AVENUE PARKWAY
DENVER, COLORADO 80237

EL PASO EXPLORATION COMPANY
ATTN: JAMES R. PERMENTER
P. O. BOX 1492
EL PASO, TEXAS 79978

AMOCO PRODUCTION COMPANY
ATTN: M. R. GILE
1670 Broadway - Suite 1914
AMOCO BUILDING
DENVER, COLORADO 80202

GENERAL AMERICAN OIL COMPANY OF TEXAS
ATTN: L. E. DOOLEY
MEADOWS BUILDING
DALLAS, TEXAS 75206

NORTHWEST PIPELINE CORPORATION

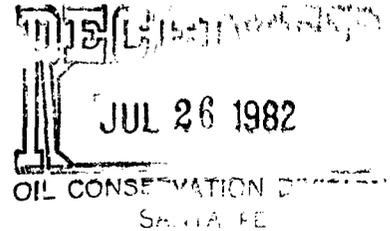
LAND DEPARTMENT

July 23, 1982

1125 Seventeenth Street, Suite 2140
Denver, Colorado 80202
303-620-3559

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

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



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

RE: San Juan 31-6 #14-08-001-464
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELL
MESAVERDE FORMATION

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit.

The pertinent data is as follows:

The San Juan 31-6 #5A Well is located 1850 feet from the North Line and 840 feet from the West Line, Section 31, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County New Mexico. This well was spudded on June 23, 1981 and completed on July 30, 1981. The Mesaverde Formation was perforated with twenty-four holes between the following depths:

5088' and 5513'

These perforations were treated with sand/water fractured. The well was shut-in with a SIPT of 1092 psig and SIPC of 1092 psig. On July 30, 1981 the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 3748 MCFD with a calculated AOF of 5317.

This well has been determined to be commercial.

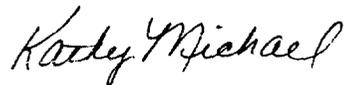
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
July 23, 1982
Page Two

The committed drilling block upon which this well is located is described as the W/2 Section 31, T31N-R6W, Rio Arriba County, New Mexico containing 320.00 acres.

Since this well was drilled within the existing Mesaverde Participating Area, the Participating Area is not enlarged by virtue of this Intervening Drilling Block Well, and the percentage of participation remains the same.

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

Very truly yours,



Kathy Michael
Supervisor/Land Department

KM:bs
CC: Working Interest Owners

SAN JUAN 31-6 UNIT
WORKING INTEREST OWNERS

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Ms. M. K. Study
7800 East Dorado Place
Englewood, CO 80111

Tenneco Oil Company
Attention: Mr. R. J. Gibb
Post Office Box 3249
Englewood, CO 80155

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

El Paso Exploration Company
Attention: Mr. James R. Permenter
Post Office Box 1492
El Paso, Texas 79978

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

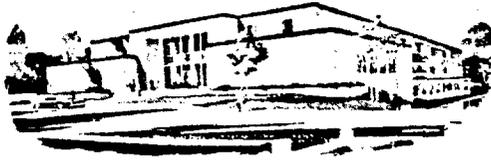
Amoco Production Company
Attention: M. R. Gile
1670 Broadway, Suite 1914
Amoco Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. T. L. Ditmore
Three Park Central, Suite 700
Denver, CO 80202

CRA International, Ltd.
Attention: Partner Operations
5416 South Yale Avenue
Tulsa, Oklahoma 74135

PWG Partnership
Sandia Savings Bldg., Suite 800
400 Gold Avenue., S.W.
Albuquerque, New Mexico 87102

State of New Mexico



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

June 10, 1982

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501X
87504-1148

Northwest Pipeline Corporation
P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

Re: San Juan 31-6 Unit
1982 Drilling Program
Rio Arriba County, New Mexico

467

ATTENTION: Kathy Michael

Gentlemen:

The Commissioner of Public Lands has this date approved your 1982 Drilling Program for the San Juan 31-6 Unit Unit Agreement, Rio Arriba County, New Mexico. Such program provides for the drilling of the Mesaverde Well No. 8A on the W/2 of Section 6, Township 30 North, Range 6 West. Our approval is subject to like approval by the New Mexico Oil Conservation Division and the United States Minerals Management Service.

Enclosed is one approved copy for your files.

Your filing fee in the amount of Three (\$3.00) Dollars has been received.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC 505/827-2748

AJA/FOP/pm
encls.
cc:

OCD-Santa Fe, New Mexico
USMMS-Albuquerque, New Mexico
Administration



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

April 19, 1982

BRUCE KING
GOVERNOR

LARRY KEHOE
SECRETARY

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

Northwest Pipeline Corporation
P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

Attention: Kathy Michael

Re: 1982 Plan of Development for
San Juan 31-6 Unit, Rio Arriba
County, New Mexico

Dear Ms. Michael:

The New Mexico Oil Conservation Division has this date approved your 1982 Plan of Development for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. Our approval is subject to like approval by the Minerals Management Service and the Commissioner of Public Lands of the State of New Mexico.

Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr

cc: Minerals Management Service - Albuquerque
Commissioner of Public Lands

467

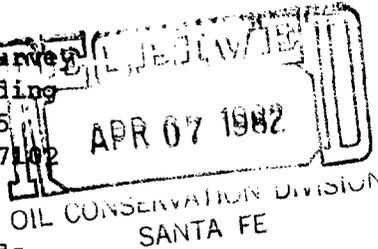
NORTHWEST PIPELINE CORPORATION

1125 Seventeenth Street, Suite 2100
(303) 620-3500

March 29, 1982

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

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



467

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

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

Gentlemen:

Re: San Juan 31-6 Unit
No. 14-08-001-464
Rio Arriba County, NM
1982 Drilling Program

By letter dated March 26, 1981, Northwest Pipeline Corporation, as Unit Operator, filed a Drilling Program for the captioned unit providing for the drilling of four (4) Mesaverde Wells, and four (4) Dakota Wells. All Mesaverde wells were timely drilled. The four Dakota wells were dropped from the program.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the unit is as follows:

Mesaverde, commercial	24
Mesaverde, noncommercial	1
Mesaverde, temporarily abandoned	1
Mesaverde, plugged and abandoned	2
Mesaverde-Dakota, Dual	1
(Dakota temporarily abandoned)	
Dakota, commercial	1
Dakota, waiting for completion	3
Dakota, commerciality, not determined	7
	<hr/>
	40

Regulatory Agencies
March 29, 1982
Page Two

San Juan 31-6 Unit
1982 Drilling Program

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the Working Interest Owners and has received the necessary concurrence to propose the drilling of the following additional wells during the calendar year 1982:

<u>Well Number</u>	<u>Location</u>	<u>Formation</u>
#8A	W/2 Sec. 6-30N-6W	MV

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or 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 Northwest Pipeline Corporation.

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

Very truly yours,



Kathy Michael
Associate Landman

KM:bjt

Enclosure

cc: Working Interest Owners

APPROVED _____ DATE _____
Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by The
Commissioner of Public Lands and
The Oil Conservation Commission

APPROVED _____ DATE _____
Commissioner of Public Lands
Subject to like approval by The
United States Geological Survey
and The Oil Conservation Commission

APPROVED W. Perry Brown _____ DATE 4/9/82
Oil Conservation Commission
Subject to like approval by The
United States Geological Survey and
The Commissioner of Public Lands

The foregoing approvals are for the San Juan 31-6 Unit, No.
14-08-001-464, Rio Arriba County, New Mexico, 1982 Drilling Program.

SAN JUAN 31-6 UNIT
WORKING INTEREST OWNERS

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. Paul Wieman
7800 East Dorado Place
Englewood, CO 80111

Tenneco Oil Company
Attention: Mr. R. J. Gibb
Post Office Box 3249
Englewood, CO 80155

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

El Paso Exploration Company
Attention: Mr. James R. Permenter
Post Office Box 1492
El Paso, Texas 79978

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. A. M. Roney
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. T. L. Ditmore
Three Park Central, Suite 700
Denver, CO 80202

CRA International, Ltd.
Attention: Partner Operations
5416 South Yale Avenue
Tulsa, Oklahoma 74135

PWG Partnership
Sandia Savings Bldg., Suite 800
400 Gold Avenue., S.W.
Albuquerque, New Mexico 87102

Phillips Petroleum Company
Attention: Mr. Gordon Buckman
7800 East Dorado Place
Englewood, CO 80111

Phillips Petroleum Company
Attention: Ms. M. K. Study
Woodside II
7800 East Dorado Place
Englewood, CO 80111

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

RECEIVED
JUN 02 1981
OIL CONSERVATION DIVISION
SANTA FE

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

May 27, 1981

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

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

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

Gentlemen:

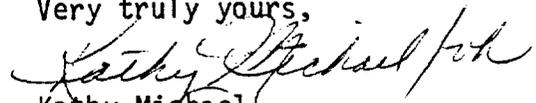
Re: San Juan 31-6 Unit
No. 14-08-001-464
Rio Arriba County, New Mexico
1981 Drilling Program

The 1981 Drilling Program filed on March 26, 1981 for the San Juan 31-6 Unit has been approved by the Regulatory Agencies as follows:

United States Geological Survey	April 27, 1981
Commissioner of Public Lands	April 03, 1981
Oil Conservation Commission	April 13, 1981

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

Very truly yours,


Kathy Michael
Associate Landman

KM:vh
Attachment

SAN JUAN 31-6 UNIT
WORKING INTEREST OWNERS

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. Paul Wieman
7800 East Dorado Place
Englewood, Colorado 80111

Tenneco Oil Company
Attention: Mr. R. J. Gibb
Post Office Box 3249
Englewood, Colorado 80155

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

El Paso Exploration Company
Attention: Mr. James R. Permenter
Post Office Box 1492
El Paso, Texas 79978

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. A. M. Roney
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. T. L. Ditmore
Three Park Central, Suite 700
Denver, Colorado 80202

CRA International, Ltd.
Attention: Partner Operations
5416 South Yale Avenue
Tulsa, Oklahoma 74135

PWG Partnership
1219 Sandia Savings Building
Albuquerque, New Mexico 87102

Phillips Petroleum Company
Attention: Mr. Gordon Buckman
7800 East Dorado Place
Englewood, Colorado 80111

EXHIBIT "B"
 - SAN JUAN 31-6 UNIT
 RIO ARRIBA COUNTY, NEW MEXICO

<u>Tract No.</u>	<u>Description</u>	<u>Number of Acres</u>	<u>Number, Date and Term of Lease</u>	<u>Basic Royalty & Percentage</u>	<u>Lessee of Record</u>	<u>ORRI & Percentage</u>	<u>Working Interest and Percentage</u>
1	T-31-N, R-6-W Sec. 28: All Sec. 29: All Sec. 31: All	1,920.00	Santa Fe 078995 2-1-49 5 years	USA 12½% All	Northwest Pipeline Corporation		To Base of Mesa-verde Formation Northwest Pipeline Corporation - All * Below Base of Mesa verde Formation Phillips Petroleum Company - All
2	T-31-N, R-6-W Sec. 27: All Sec. 33: E½ Sec. 34: All Sec. 35: All	2,240.00	Santa Fe 078999 1-1-49 5 years	USA 12½% All	El Paso Natural Gas Company	Total ORRI Committed 5.0%	To Base of Mesa-verde Formation Northwest Pipeline Corporation - All * Below Base of Mesa verde Formation Phillips Petroleum Company - All
2A	T-31-N, R-6-W Sec. 33: W½	320.00	Santa Fe 078999 1-1-49 5 years	USA 12½% All	El Paso Natural Gas Company	Total ORRI Committed 5.0%	To Base of Mesa-verde Formation Northwest Pipeline Corporation All Base of Mesaverde to 100' into Morrison El Paso Natural Gas Company All Below 100' into Morrison Phillips Petroleum Company All
3	T-30-N, R-7-W Sec. 1: Lots 7 & 8, S½NW¼; SW¼	319.10	Santa Fe 079000 5-1-48 5 years	USA 12½% All	El Paso Natural Gas Company	Total ORRI Committed 3.5%	El Paso Natural Gas Company All

EXHIBIT "B"

<u>Tract No.</u>	<u>Description</u>	<u>Number of Acres</u>	<u>Number, Date and Term of Lease</u>	<u>Basic Royalty & Percentage</u>	<u>Lessee of Record</u>	<u>ORRI & Percentage</u>	<u>Working Interest and Percentage</u>
4	T-30-N, R-7-W Sec. 1: Lots 5&6 S½NE¼; SE¼	319.70	Santa Fe 079000-A 5-1-48 5 years	USA 12½% All	P. M. McCulley	Total ORRI Committed 20.5%	To Base of Mesaverde Formation Gas Rights: El Paso Natural Gas All Oil Rights: Continental Oil Company ½ Tenneco Oil Co. ½ Below Base of Mesa- verde Formation Continental Oil Co ½ Tenneco Oil Co. ½
5	T-30-N, R-6-W Sec. 6: Lots 8,9, 10, 11, S½N½, S½ (All)	639.40	NM 012735 5-1-48 5 years	USA 12½% All	Mike Abraham ½ El Paso Natural Gas Company ½	Total ORRI Committed 5.0%	Gas Rights Before Payout: El Paso Natural Gas Company All Gas Rights After Payout: El Paso Natural Gas Company 7/8 General American Oil Company of Texas 1/8 Oil Rights Before Payout: General American Oil Company of Texas All Oil Rights After Payout: General American Oil Company of Texas 1/2 FWG Partnership 1/2

EXHIBIT "B"

<u>Tract No.</u>	<u>Description</u>	<u>Number of Acres</u>	<u>Number, Date and Term of Lease</u>	<u>Basic Royalty & Percentage</u>	<u>Lessee of Record</u>	<u>ORRI & Percentage</u>	<u>Working Interest and Percentage</u>
6	T-30-N, R-6-W Sec. 4: Lots 5, 6, 7, 8, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$ (All)	639.84	Santa Fe 079012 2-1-48 5 years	USA 12 $\frac{1}{2}$ % All	El Paso Natural Gas Company	Total ORRI Committed 5.0%	Gas Rights Before Payout: El Paso Natural Gas Company Gas Rights After Payout: El Paso Natural Gas Company 7/8 General American Oil Company of Texas 1/8 Oil Rights Before Payout: General American Oil Company of Texas All Oil Rights After Payout: General American Oil Company of Texas 1/2 PWG Partnership 1/2
7	T-30-N, R-6-W Sec. 1: Lots 7, 8; S $\frac{1}{2}$ NW $\frac{1}{4}$	159.69	Santa Fe 079401 4-1-48 5 years	USA 12 $\frac{1}{2}$ %	Northwest Pipeline Corporation	Total ORRI Committed 4.5%	To Base of Mesa- verde Formation Northwest Pipeline Corporation All Below Base of Mesaverde Formation Phillips Petroleum Company All

*

EXHIBIT "B"

<u>Tract No.</u>	<u>Description</u>	<u>Number of Acres</u>	<u>Number, Date and Term of Lease</u>	<u>Basic Royalty & Percentage</u>	<u>Lessee of Record</u>	<u>ORRI & Percentage</u>	<u>Working Interest and Percentage</u>
8	T-30-N, R-6-W Sec. 1: Lots 5,6,9, 10,11, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$	386.61	New Mexico 012299 8-1-51 5 years	USA 12 $\frac{1}{2}$ % All	Oscar Abraham	Total ORRI Committed 3.0%	El Paso Natural Gas Company 50% **** CRA International Ltd. 39% Matagorda Oil Company 11%
9	T-30-N, R-6-W Sec. 3: Lots 5,6, 7,8, S $\frac{1}{2}$, S $\frac{1}{2}$ NE $\frac{1}{2}$	640.48	NM 012292 8-1-51 5 years	USA 12 $\frac{1}{2}$ % All	Mike Abraham $\frac{1}{2}$ El Paso Natural Gas Company $\frac{1}{2}$	Total ORRI Committed 5.0%	<u>Gas Rights Before</u> <u>Payout:</u> El Paso Natural Gas Company All <u>Gas Rights After</u> <u>Payout:</u> El Paso Natural Gas Company 7/8 General American Oil Company of Texas 1/8 <u>Oil Rights Before</u> <u>Payout:</u> General American Oil Company of Texas All <u>Oil Rights After</u> <u>Payout:</u> General American Oil Company of Texas 1/2 PWG Partnership $\frac{1}{4}$
10	T-30-N, R-6-W Sec. 5: Lots 5,6,7, 8, S $\frac{1}{2}$ NE $\frac{1}{2}$, S $\frac{1}{2}$ (All)	639.16	NM 03404 5-1-48 5 years	USA 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 5.0%	<u>To Base of Mesa-</u> <u>verde Formation</u> <u>Northwest Pipeline</u> <u>Corporation All</u> * <u>Below Base of Mesa-</u> <u>verde Formation</u> <u>Phillips Petroleum</u> <u>Company All</u>

Revised Effective February 1, 1974 10 Federal Tracts - 8,223.98 Acres or 81.8357% of Unit Area.

EXHIBIT "B"

Tract No.	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty & Percentage	Lessee of Record	ORRI & Percentage	Working Interest and Percentage
11	T-31-N, R-6-W Sec. 32: NW $\frac{1}{4}$	160.00	E-289-3 5-2-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Wiser Oil Company	None	Wiser Oil Company All
11A	T-31-N, R-6-W Sec. 32: SW $\frac{1}{4}$ NE $\frac{1}{4}$	40.00	E-289-36 5-2-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesa- verde Formation Northwest Pipeline Corporation All * Below Base of Mesa verde Formation Phillips Petroleum Company All
11B	T-31-N, R-6-W Sec. 32: N $\frac{1}{2}$ NE $\frac{1}{4}$	80.00	E-289-31 5-2-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesa- verde Formation Northwest Pipeline Corporation All * Below Base of Mesa- verde Formation Phillips Petroleum Company All
12	T-31-N, R-6-W Sec. 32: SE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$	200.00	E-346-17 6-1-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesa- verde Formation Northwest Pipeline Corporation All * Below Base of Mesa verde Formation Phillips Petroleum Company All

EXHIBIT "B"

<u>Tract No.</u>	<u>Description</u>	<u>Number of Acres</u>	<u>Number, Date and Term of Lease</u>	<u>Basic Royalty & Percentage</u>	<u>Lessee of Record</u>	<u>ORRI & Percentage</u>	<u>Working Interest and Percentage</u>
12A	T-31-N, R-6-W Sec. 32: SW $\frac{1}{4}$	160.00	E-346-18 6-1-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 2.5%	To Base of Mesa- <u>verde Formation</u> <u>Northwest Pipeline</u> Corporation All * Below Base of Mesa <u>verde Formation</u> Phillips Petroleum Company All
13	T-30-N, R-6-W Sec. 2: N $\frac{1}{2}$ SE $\frac{1}{4}$ T-31-N, R-6-W Sec. 36: N $\frac{1}{2}$ NW $\frac{1}{4}$	160.00	E-347-27 6-1-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 4.75%	To Base of Mesa- <u>verde Formation</u> <u>Northwest Pipeline</u> Corporation All ** Below Base of Mesa <u>verde Formation</u> Skelly Oil Co. All
13A	T-30-N, R-6-W Sec. 2: S $\frac{1}{2}$ SE $\frac{1}{4}$	80.00	E-347-28 6-1-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesa- <u>verde Formation</u> <u>Northwest Pipeline</u> Corporation All *** Below Base of Mesa <u>verde Formation</u> Amoco Prod. Co. All
13B	T-31-N, R-6-W Sec. 36: S $\frac{1}{2}$ NW $\frac{1}{4}$ T-30-N, R-6-W Sec. 2: SW $\frac{1}{4}$	80.00 320.00	E-347-28 6-1-45 10 years E-347-25 6-1-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation Northwest Pipeline Corporation	Total ORRI Committed 5.0% Total ORRI Committed 2.5%	Amoco Production Company All To Base of Mesa- <u>verde Formation</u> <u>Northwest Pipeline</u> Corporation All * Below Base of Mesa <u>verde Formation</u> Phillips Petroleum Company All

EXHIBIT "B"

<u>Tract No.</u>	<u>Description</u>	<u>Number of Acres</u>	<u>Number, Date and Term of Lease</u>	<u>Basic Royalty & Percentage</u>	<u>Lessee of Record</u>	<u>ORRI & Percentage</u>	<u>Working Interest and Percentage</u>
13C	T-30-N, R-6-W Sec. 2: Lots 5, 6, 7, 8, S $\frac{1}{2}$ N $\frac{1}{2}$	545.40	E-347-26 6-1-45 10 years	State of New Mexico 12 $\frac{1}{2}$ % All	Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesa- verde Formation Northwest Pipeline Corporation Below Base of Mesa verde Formation Phillips Petroleum Company *
	T-31-N, R-6-W Sec. 36: Lots 1, 2, 3, 4, W $\frac{1}{2}$ E $\frac{1}{2}$						

9 State Tracts - 1,825.40 Acres or 18.1643% of Unit Area.

RECAPITULATION

<u>Land</u>	<u>Area in Unit</u>	<u>Percentage of Unit Area</u>
Federal	8,223.98	81.8357%
State	<u>1,825.40</u>	<u>18.1643%</u>
Total of Unit Area	10,049.38	100.0000%

* Northwest Pipeline Corporation's Working Interest is subject to a Sliding Scale ORRI as to the gas production and an ORRI of 82.5% of all oil produced and saved when average oil production is in excess of 15 barrels per day in favor of Phillips Petroleum Company.

** Northwest Pipeline Corporation's Working Interest is subject to a Sliding Scale ORRI as to gas production and an ORRI of 82.5% of all oil produced and saved when average oil production is in excess of 15 barrels per day in favor of Skelly Oil Company.

*** Northwest Pipeline Corporation's Working Interest is subject to a Sliding Scale ORRI as to gas production and an ORRI of 82.5% of oil produced and saved when average oil production is in excess of 15 barrels per day in favor of Stanolind Oil and Gas Company (now Amoco Production Company).

**** Subject to Contract between San Juan Production Company (now El Paso Natural Gas Company) and Slick-Moorman Oil Company, dated December 31, 1951.



RECEIVED

APR 29 1981

OIL CONSERVATION DIVISION
SANTA FE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
South Central Region
P. O. Box 26124
Albuquerque, New Mexico 87125

467

27 APR 1981

Northwest Pipeline Corporation
Attention: Kathy Michael
P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

Gentlemen:

An approved copy of your 1981 plan of development for the San Juan 31-6 unit area, Rio Arriba County, New Mexico is enclosed. Such plan, proposing the drilling of four Mesaverde wells, four Dakota wells, and any other wells required to prevent drainage of unitized substances, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) GENE F. DANIEL

Gene F. Daniel
Deputy Conservation Manager
Oil and Gas

Enclosure

cc:
Commissioner of Public Lands
NMOCD
DS, Farmington (w/enclosure)



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

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

April 13, 1981

Northwest Pipeline Corporation
P. O. Box 5800, Terminal Annex
Denver, Colorado 80217

Attention: Kathy Michael

Re: Case No. 467
San Juan 31-6 Unit
1981 Drilling Program

Gentlemen:

We hereby approve the 1981 Drilling Program for the San Juan 31-6 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/EP/fd
enc.

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

State of New Mexico



Commissioner of Public Lands

April 3, 1981

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

467

Northwest Pipeline Corporation
1125 Seventeenth Street, Suite 2100
Denver, Colorado 80202

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1981 DRILLING PROGRAM

ATTENTION: Kathy Michael

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. Such plan proposes the drilling of wells 5A, 6A, 7A, 3A, 28, 40, 41 and 42. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Enclosed is one approved copy for your files. The Three (\$3.00) Dollars filing fee has been received.

Please be advised that in the future the following information will be required by this office on all future plans of development involving State lands.

1. An up to date map showing all well numbers and locations and current well status.
2. A complete production history by month for the years beginning with 1979.

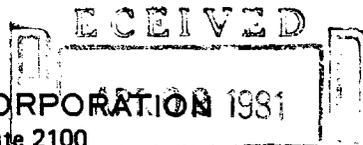
Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

AJA/RDG/s
encls.

cc: OCD-Santa Fe, New Mexico
 USGS-Albuquerque, New Mexico
 USGS-Roswell, New Mexico



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

OIL CONSERVATION DIVISION
 SANTA FE

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

March 26, 1981

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

467
 OK
 EJP
 4/2/81

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

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

Gentlemen:

Re: San Juan 31-6 Unit
 No. 14-08-001-464
 Rio Arriba County, New Mexico
 1981 Drilling Program

By letter dated May 28, 1980, Northwest Pipeline Corporation, Unit Operator, filed a drilling program for the captioned unit for the calendar year 1980, which provided for the drilling of three (3) Dakota Wells. These wells were timely drilled.

With the completion of the above wells, the total number of wells drilled in the San Juan 31-6 Unit is as follows:

Mesaverde, commercial	20
Mesaverde, noncommercial	1
Mesaverde, temporarily abandoned	1
Mesaverde, plugged and abandoned	2
Mesaverde-Dakota, Dual	1
(Dakota temporarily abandoned)	
Dakota, commercial	1
Dakota, waiting for completion	3
Dakota, commerciality, not determined	3
	<u>32</u>

San Juan 31-6 Unit
1981 Drilling Program

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following wells during the calendar year 1981:

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
5A	W/2 Sec. 31-31N-6W	MV
6A	W/2 Sec. 1-30N-7W	MV
7A	E/2 Sec. 1-30N-7W	MV
3A	E/2 Sec. 6-30N-6W	MV
28	S/2 Sec. 34-31N-6W	DK
40	N/2 Sec. 1-30N-6W	DK
41	W/2 Sec. 29-31N-6W	DK
42	N/2 Sec. 36-31N-6W	DK

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the unit operator or 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 one approved copy to Northwest Pipeline Corporation.

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

Yours very truly,



Kathy Michael
Land Records Coordinator

KM:vh
Enclosure

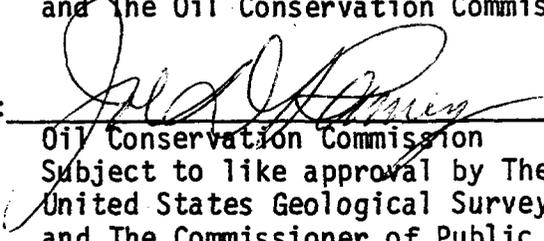
cc: Working Interest Owners

APPROVED: _____
Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by The
Commissioner of Public Lands and
The Oil Conservation Commission

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 13, 1981

The foregoing approvals are for the San Juan 31-6 Unit, No. 14-08-001-464, Rio Arriba County, New Mexico, 1981 Drilling Program.

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. Derryl E. Millican
7800 East Dorado Place
Englewood, Colorado 80111

Tenneco Oil Company
Attention: Mr. R. J. Gibb
Post Office Box 3249
Englewood, Colorado 80155

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

El Paso Exploration Company
Attention: Mr. James R. Permenter
Post Office Box 1492
El Paso, Texas 79978

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. A. M. Roney
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. J. E. Hofmann
Three Park Central, Suite 700
Denver, Colorado 80202

CRA International, Ltd.
Attention: Partner Operations
5416 South Yale Avenue
Tulsa, Oklahoma 74135

PWG Partnership
1219 Sandia Savings Building
Albuquerque, New Mexico 87102

Phillips Petroleum Company
Attention: Mr. Gordon Buckman
7800 East Dorado Place
Englewood, Colorado 80111

RECEIVED
MAR 02 1981
OIL CONSERVATION DIVISION
SANTA FE

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

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

February 26, 1981

467

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

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

Gentlemen:

Re: San Juan 31-6 Unit
No. 14-08-001-464
NOTICE OF COMPLETION OF
ADDITIONAL MESAVERDE WELL

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Northwest Pipeline Corporation, as Unit Operator, has determined that the following well capable of producing unitized substances in paying quantities has been completed upon an Intervening Drilling Block created by the 15th Expansion of the Mesaverde Participating Area.

COMPLETION OF ADDITIONAL WELL - San Juan 31-6 Unit - Well No. 32

<u>DRILLING BLOCK</u>	<u>ACRES</u>
T31N, R6W Section 36	320.

The San Juan 31-6 Unit No. 32 well is located 1,840 feet from the South Line and 1,820 feet from the West Line Section 36, Township 31 North, Range 6 West, N.M.P.M. Rio Arriba County, New Mexico. This well was spudded on September 21, 1979 and completed on September 27, 1979 in the Mesaverde formation at a plug back depth of 5,955 feet. The Mesaverde formation was perforated with one shot per foot at each of the following depths:

Commissioner of Public Lands
Oil Conservation Commission
STATE OF NEW MEXICO
February 26, 1981
Page 2

SAN JUAN 31-6 UNIT
NOTICE OF COMPLETION OF
ADDITIONAL MESAVERDE WELL

5513', 5516', 5549', 5578', 5581', 5624', 5669',
5713', 5717', 5794', 5798', 5802', 5809', 5812',
5815', 5818', 5821', 5828', 5832', 5844', 5891',
and 5914'.

These perforations were treated with 1,000 gallons of 7½% HCl followed by a sand water fracturing. The well was shut-in October 1, 1979 for 10 days with an SIPC of 1,151 psig and an SIPT of 1,151 psig. On October 11, 1979 the well was tested and after flowing for three (3) hours through a 3/4-inch variable choke on the 2-3/8 inch tubing the well gauged 4210 MCFD with a calculated AOF of 6996 MCFD.

Since this well was drilled within the existing MESAVERDE PARTICIPATING AREA, the Participating Area is not enlarged by virtue of this Intervening Drilling Block well, and the percentage of participation remains the same.

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

Yours very truly,



Kathy Michael
Land Records Coordinator

KM:vh
Enclosure

cc: Working Interest Owners

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. Derryl E. Millican
7800 East Dorado Place
Englewood, Colorado 80111

Tenneco Oil Company
Attention: Mr. R. J. Gibb
Post Office Box 3249
Englewood, Colorado 80155

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

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

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. A. M. Roney
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. J. E. Hofmann
Three Park Central, Suite 700
Denver, Colorado 80202

CRA International, Ltd.
Attention: Partner Operations
5416 South Yale Avenue
Tulsa, Oklahoma 74135

PWG Partnership
1219 Sandia Savings Building
Albuquerque, New Mexico 87102

Phillips Petroleum Company
Attention: Mr. Gordon Buckman
7800 East Dorado Place
Englewood, Colorado 80111

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1000
DENVER, COLORADO 80202
(303) 623-9303

RECEIVED
AUGO 1 1980

467

OIL CONSERVATION DIVISION
SANTA FE
July 28, 1980

Mr. Jack Willock
United States Geological Survey
505 Marquette, Northwest
815 Western National Bank Building
Albuquerque, New Mexico 87102

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

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

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico

Gentlemen:

The 1980 Drilling Program filed on May 28, 1980, for the San Juan 31-6 Unit has been approved by the regulatory agencies as follows:

Oil Conservation Division	July 9, 1980
Commissioner of Public Lands	June 16, 1980
U. S. Geological Survey	July 24, 1980

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

Very truly yours,



Kathy Michael
Land Records Coordinator

KM:pe
Attachment

cc: Working Interest Owners

San Juan 32-7 Unit
Working Interest Owners

Mr. J. Glenn Turner, Jr.
Independent Co-Executor of the
Estate of J. Glenn Turner, Deceased
1700 Mercantile Bank Building
Dallas, Texas 75206

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

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

Phillips Petroleum Company
Attention: N. N. Beckner
7800 East Dorado Place
Englewood, Colorado 80111

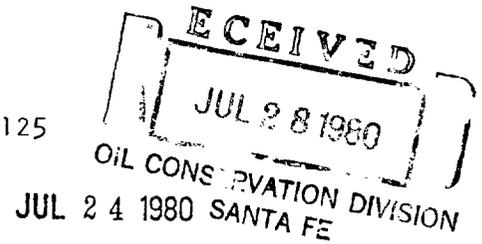
Mrs. Iris Gerber Damson
25 Mamaroneck Road
Scarsdale, New York 10583

Amoco Production Company
Attention: Mr. T. M. Curtis
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202



United States Department of the Interior

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



467

Northwest Pipeline Corporation
Attention: Kathy Michael
One Park Central, Suite 1487
Denver, Colorado 80202

Gentlemen:

One approved copy of your 1980 plan of development for the San Juan 31-6 unit area, Rio Arriba County, New Mexico, is enclosed. Such plan, proposing the drilling of three Dakota wells and any other well needed to prevent drainage, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

Jack Willock
Acting Deputy Conservation Manager
Oil and Gas

Enclosure

cc:
NMOCD, Santa Fe

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

July 9, 1980

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: Kathy Michael

Re: Case No. 467
San Juan 31-6 Unit
1980 Drilling Program

Gentlemen:

We hereby approve the 1980 Drilling Program for the San Juan 31-6 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. RAMBY
Director

JDR/EP/fd
enc.

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

C
O
P
Y

State of New Mexico

467



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

June 16, 1980

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1980 Drilling Program

ATTENTION: Kathy Michael

Gentlemen:

The Commissioner of Public Lands has this date approved your 1980 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. Such plan proposes the drilling of San Juan 31-6 Unit wells No 36, 37 and 38. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Your Three Dollar filing fee has been received.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s
encl.

cc: OCD-Santa Fe, New Mexico
 USGS-Roswell, New Mexico
 USGS-Albuquerque, New Mexico

NORTHWEST PIPELINE CORPORATION

RECEIVED ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303
JUN - 2 1980

May 28, 1980

CONSERVATION DIVISION
SANTA FE

United States Geological Survey
505 Marquette, Northwest
815 Western National Bank Building
Albuquerque, New Mexico 87102
Attention: Jack Willock

Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, New Mexico 87501
Attention: Ray D. Graham

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

Re: San Juan 31-6 Unit
#14-08-001-464
Rio Arriba County, NM
1980 Drilling Program

#467
OK
7/1/80

Gentlemen:

By letter dated May 11, 1979, Northwest Pipeline Corporation, Unit Operator, filed a drilling program for the captioned unit for the calendar year 1979, which provided for the drilling of one (1) Mesaverde well and three (3) Dakota wells. These wells were timely drilled.

With the completion of the above wells, the total number of wells drilled in the San Juan 31-6 Unit is as follows:

Mesaverde, Commercial	20
Mesaverde, Non-Commercial	1
Mesaverde, Commerciality not determined	1
Mesaverde, Temporarily abandoned	1
Mesaverde, Plugged & abandoned	1
Mesaverde-Dakota, Dual (Dakota temporarily abandoned)	1
Dakota, Commercial	1
Dakota, Waiting for Completion	<u>3</u>
TOTAL	29

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following wells during the calendar year 1980.

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 31-6 Unit #36	E $\frac{1}{2}$ Sec. 27	Dakota
San Juan 31-6 Unit #37	S $\frac{1}{2}$ Sec. 36	Dakota
San Juan 31-6 Unit #38	N $\frac{1}{2}$ Sec. 2	Dakota

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the unit operator or 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 one approved copy to Northwest Pipeline Corporation. ✓

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

Very truly yours,


Kathy Michael
Land Records Coordinator

KM:pe
Attachments

San Juan 32-7 Unit
Working Interest Owners

Mr. J. Glenn Turner, Jr.
Independent Co-Executor of the
Estate of J. Glenn Turner, Deceased
1700 Mercantile Bank Building
Dallas, Texas 75206

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

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

Phillips Petroleum Company
Attention: N. N. Beckner
7800 East Dorado Place
Englewood, Colorado 80111

Mrs. Iris Gerber Damson
25 Mamaroneck Road
Scarsdale, New York 10583

Amoco Production Company
Attention: Mr. T. M. Curtis
1670 Broadway, Suite 750
Amoco Building
Denver, Colorado 80202

APPROVED: _____

DATE: _____

Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and the
Oil Conservation Commission

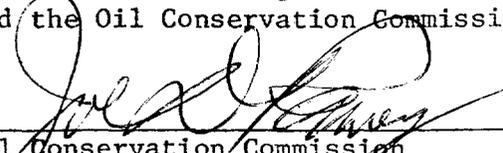
APPROVED: _____

DATE: _____

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

APPROVED: _____

DATE: 7/9/80


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

The foregoing approvals are for the San Juan 31-6 Unit #14-08-001-464,
Rio Arriba County, New Mexico, 1980 Supplemental Drilling Program.

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

November 9, 1979

Mr. James A. Gillham
U. S. Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Attn: Mr. Ray D. Graham
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Attn: Mr. Joe Ramey
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
Fifteenth Expanded Participating
Area, Mesaverde Formation
Effective August 1, 1978

Gentlemen:

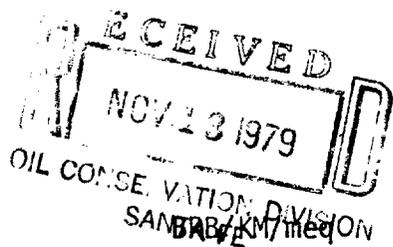
On May 31, 1979, Northwest Pipeline submitted the Fifteenth Expanded Participating Area for the Mesaverde Formation. However, it was recently discovered that part of a tract had been omitted from the description of committed lands, even though the number of acres attributed to that tract was correct.

Therefore, attached is a revised Schedule XVI with T32N-R6W, Sec. 36: N/2NW/4 added to the description of Tract 13. Since the 160.00 acres originally attributed to Tract 13 was correct, there is no change in the percentage of Present Actual Participation and this change will be effective as of August 1, 1978.

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

Very truly yours,

Betty Burnett
Betty R. Burnett
Supervisor of Contracts & Units



Katagorda Oil Company
c/o Texas National Bank
Box 2558, Houston, TX 77001
ATT: Oil & Gas Dept.

General American Oil Company
of Texas
Meadows Building
Dallas, Texas 75206
ATT: Mr. L.E.Dooley

Continental Oil Company
P.O. Box 460
Hobbs, New Mexico 88240
ATT: Mr. L.P. Thompson

Amoco Production Company
Security Life Bldg.
Denver, CO 80202
ATT: Mr. T. M. Curtis

Phillips Petroleum Company
Woodside II, Greenwood Plaza
7300 East Dorado Place
Englewood, CO 80111

Getty Oil Company
Three Park Central, Ste.700
Denver, CO 80202
ATT: Mr. J.E. Hofman

Tenneco Oil Company
720 So. Colorado Blvd.
Denver, CO 80222
ATT: Mr. J.A. Dutton

CRA International, Ltd.
5416 South Yale Ave.
Tulsa, Oklahoma 74135
ATT: Partner Operations

The Wiser Oil Company
P.O. Box 2467
Hobbs, New Mexico 88240

PWG Partnership
1218 Sims Building
Albuquerque, New Mexico 87103

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

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI
 FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACT PARTICIPAT
			OWNERSHIP	PERCENTAGE COMMITTED	
SF 078995	T-31N, R-6W	960.00	TRACT 1		12.50%
	Sec. 28: W/2		Royalty	12.50%	
	Sec. 31: All		Working Interest:	82.50%	
			Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 078999	T-31N, R-6W	960.00	TRACT 2		12.50%
	Sec. 27: E/2		Royalty	12.50%	
	Sec. 34: E/2		Working Interest:	82.50%	
	Sec. 35: E/2		Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 078999	T-31N, R-6W	320.00	TRACT 2-A		12.50%
	Sec. 33: W/2		Royalty	12.50%	
			Working Interest:	82.50%	
			Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 079000	T-30N, R7W	319.10	TRACT 3		12.50%
	Sec. 1: Lots 7 & 8 & S/2NW/4 & SW/4		Royalty	12.50%	
			Working Interest:	84.00%	
			El Paso Natural Gas Co.	3.50%	
			TOTAL	100.00%	
SF 079000-A	T-30N, R-7W	319.70	TRACT 4		12.50%
	Sec. 1: Lots 5 & 6 & S/2NE/4 & SE/4		Royalty	12.50%	
			Working Interest:	67.00%	
			El Paso Natural Gas Co.	20.50%	
			TOTAL	100.00%	

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT
			OWNERSHIP	PERCENTAGE		
NM 012735	T-30N, R-6W Sec. 6: Lots 8,9, 10,11 & S/2 & S/2N/2 (ALL)	639.40	TRACT 5	12.50%	12.50%	8.432275
			Royalty Working Interest: El Paso Natural Gas Co. ORRI	82.50%	82.50%	
			TOTAL	5.00%	5.00%	
				100.00%	100.00%	
SF 079012	T-30N, R-6W Sec. 4: Lots 5,6,7,8 & S/2N/2 & S/2 (ALL)	639.84	TRACT 6	12.50%	12.50%	8.438078
			Royalty Working Interest: El Paso Natural Gas Co. ORRI	82.50%	82.50%	
			TOTAL	5.00%	5.00%	
				100.00%	100.00%	
SF 079401	T-30N, R-6W Sec. 1: Lots 7,8 & S/2NW/4	159.69	TRACT 7	12.50%	12.50%	2.105959
			Royalty Working Interest: Northwest Pipeline Corp. ORRI	83.00%	83.00%	
			TOTAL	4.50%	4.50%	
				100.00%	100.00%	
NM 012299	T-30N, R-6W Sec. 1: SW/4	160.00	TRACT 8	12.50%	12.50%	2.110047
			Royalty Working Interest: El Paso Natural Gas Co. CRA International Matagorda Oil Co. ORRI	42.25%	42.25%	
			TOTAL	32.95%	32.95%	
				9.30%	9.30%	
NM 012292	T-30N, R-6W Sec. 3: Lots 5,6,7,8 & S/2 & S/2N/2 (ALL)	640.48	TRACT 9	12.50%	12.50%	8.446518
			Royalty Working Interest: El Paso Natural Gas Co. ORRI	82.50%	82.50%	
			TOTAL	5.00%	5.00%	
				100.00%	100.00%	

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPAT
			OWNERSHIP	PERCENTAGE		
NM 03404	T-30N, R-6W Sec. 5: Lots 5,6,7, 8 & S/2N/2 & S/2 (All)	639.16	TRACT 10		12.50%	8.429110
			Royalty Working Interest: Northwest Pipeline Corp.	82.50%		
			ORRI	5.00%		
			TOTAL	100.00%		
E-289-3	T-31N, R-6W Sec. 32: NW/4	160.00	TRACT 11		12.50%	2.110047
			Royalty Working Interest: Wiser Oil Company	87.50%		
			TOTAL	100.00%		
			TRACT 11-A		12.50%	
E-289-45	T-31N, R-6W Sec. 32: SW/4NE/4	40.00	TRACT 11-A		12.50%	.527512
			Royalty Working Interest: Northwest Pipeline Corp.	82.50%		
			ORRI	5.00%		
			TOTAL	100.00%		
E-289-43	T-31N, R-6W Sec. 32: N/2NE/4	80.00	TRACT 11-B		12.50%	1.055023
			Royalty Working Interest: Northwest Pipeline Corp.	82.50%		
			ORRI	5.00%		
			TOTAL	100.00%		
E-346-26	T-31N, R-6W Sec. 32: SE/4NE/4 & SE/4	200.00	TRACT 12		12.50%	2.637559
			Royalty Working Interest: Northwest Pipeline Corp.	82.50%		
			ORRI	5.00%		
			TOTAL	100.00%		

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E-346-25	T-31N, R-6W Sec. 32: SW/4	160.00	TRACT 12-A		12.50%	2.110047
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			ORRI	2.50%		
			TOTAL	100.00%		
E-347-40	T-30N, R-6W Sec. 2: N/2SE/4 T-31N-R-6W Sec. 36: N/2NW/4	160.00	TRACT 13		12.50%	2.110047
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			ORRI	4.75%		
			TOTAL	100.00%		
E-347-41	T-30N, R-6W Sec. 2: S/2SE/4	80.00	TRACT 13-A		12.50%	1.055023
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			ORRI	5.00%		
			TOTAL	100.00%		
E-347-34	T-31N, R-6W Sec. 36: S/2NW/4	80.00			12.50%	1.055023
			Royalty			
			Working Interest:			
			Anoco Production Co.			
			ORRI	5.00%		
			TOTAL	100.00%		
E-347-38	T-30N, R-6W Sec. 2: SW/4 T-31N, R-6W Sec. 36: SW/4	320.00	TRACT 13-B		12.50%	4.220094
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			ORRI	2.50%		
			TOTAL	100.00%		

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-347-39	T-30N, R-6W Sec. 2: Lots 5,6,7, 8 & S/2N/2	545.40	Royalty Working Interest: Northwest Pipeline Corp. ORRI	TRACT 13-C	12.50%	12.50%	7.192622
	T-31N, R-6W Sec. 36: Lots 1,2,3, 4 & W/2E/2		TOTAL		82.50% 5.00% <u>100.00%</u>	82.50% 5.00% <u>100.00%</u>	

SCHEDULE XVI

FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION

, SAN JUAN 31-6 UNIT AREA

RECAPITULATION

Township 31 North, Range 6 West, N.M.P.M.

Section 27: E/2
Section 28: W/2
Section 31: All
Section 32: All
Section 33: W/2
Section 34: E/2
Section 35: E/2
Section 36: All

Township 30 North, Range 6 West, N.M.P.M.

Section 1: W/2
Section 2: All
Section 3: All
Section 4: All
Section 5: All
Section 6: Lots 8,9,10,11, S/2N/2 & S/2 (All)

Township 30 North, Range 7 West, N.M.P.M.

Section 1: Lots 5,6,7,8, S/2N/2 & S/2 (All)

Total number of acres in Participating Area:

7582.77

Total number of acres committed to Participating Area:

7582.77

Percentage of Working Interest Committed:

100.00%

Percentage of Basic Royalty Interest Committed:

100.00%

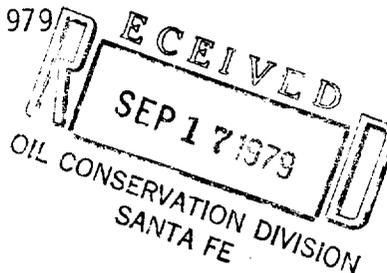
Percentage of ORRI Committed:

100.00%

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

September 11, 1979



Mr. James A. Gillham
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Attn: Mr. Ray D. Graham
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

467

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1979 Drilling Program

Gentlemen:

The 1979 Drilling Program filed on May 11, 1979 for the San Juan 31-6 Unit has been approved by the regulatory agencies as follows:

Oil Conservation Commission	May 21, 1979
Commissioner of Public Lands	May 23, 1979
U.S. Geological Survey	June 11, 1979

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

Sincerely,

Kathy Michael
Land Records Coordinator

KM/meq

cc: San Juan 31-6 Unit
Working Interest Owners

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attn: Oil & Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attn: Mr. L. P. Thompson
P.O. Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
7800 E. Dorado Place
Englewood, Colorado 80111

Tenneco Oil Company
Attn: Mr. J. A. Dutton
720 South Colorado Blvd.
Denver, Colorado 80222

The Wiser Oil Company
P.O. Box 2467
Hobbs, New Mexico 88240

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

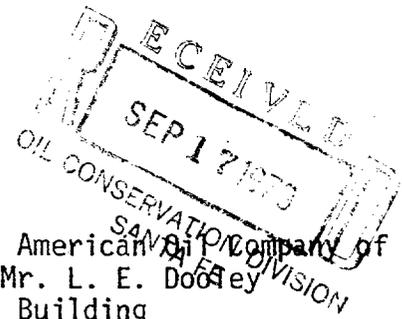
General American Oil Company of Texas
Attn: Mr. L. E. Doohey
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attn: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Getty Oil Company
Attn: Mr. J. E. Hofman
Three Park Central, Ste. 700
Denver, Colorado 80202

CRA International, Ltd.
5416 South Yale Ave.
Tulsa, Oklahoma 74135
Attn: Partner Operations

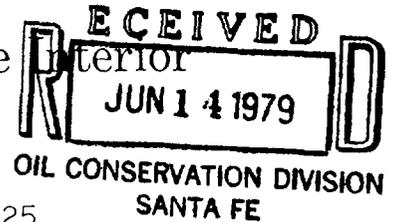
PWG Partnership
1218 Sims Building
Albuquerque, New Mexico 87103





United States Department of the Interior

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



JUN 11 1979

Northwest Pipeline Corporation
Attention: Ms. Betty R. Burnett
One Park Central, Suite 1487
Denver, Colorado 80202

Handwritten initials
4.7

Gentlemen:

The 1979 plan of development submitted for the San Juan 31-6 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 one Mesaverde and three Dakota wells.

One approved copy is enclosed.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SRMA

Enclosure

cc: NMOCD, Santa Fe (ltr. only)
Com. Pub. Lands, Santa Fe (ltr. only)



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

May 31, 1979

Mr. James A. Gillham
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Attn: Mr. Ray D. Graham
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Attn: Mr. Joe Ramey
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
Fifteenth Expanded Participating
Area, Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to the San Juan 31-6 Unit and that the Participating Area for the Mesaverde should be expanded as follows:

Fifteenth Expanded Participating Area - Effective August 1, 1978

<u>Drilling Block</u>	<u>Acres</u>	<u>Well Name & Number</u>
E/2 Sec. 35	300.00	San Juan 31-6 Unit #30
W/2 Sec.	20.00	Intervening Drilling Block

RECEIVED
JUN 7 - 1979
OIL CONSERVATION DIVISION
SANTA FE

May 31, 1979
Page Two

The San Juan 31-6 Unit No.30 well is located 800 feet from the north line and 900 feet from the east line, Section 35, T-31N, R-6W, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 28, 1978 and completed on July 18, 1978, in the Mesaverde formation at a plug back depth of 6006 feet. The Mesaverde formation was perforated with one hole at each of the following depths:

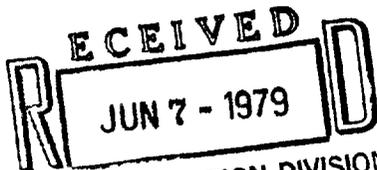
5454, 5458, 5462, 5612, 5618, 5694, 5700, 5706, 5712, 5718, 5738,
5744, 5750, 5758, 5762, 5768, 5774, 5780, 5786, 5792, 5808, 5814,
5820, 5830, 5836, 5858, 5864, 5466.

These perforations were treated with 1500 gallons 7½% hydrochloric acid, followed by a sand-water fracturing. The well was shut-in July 8, 1978, for ten (10) days with a SIPT of 587 psig and SIPC of 1200 psig. On July 18, 1978, the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 3187 MCFD with a calculated AOF of 4453 MCFD.

Attached are Schedule XVI and ownership map showing the Fifteenth Expanded Participating Area for the Mesaverde Formation of the San Juan 31-6 Unit area. The schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. In as much as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Fifteenth Expanded Participating area will be effective as of August 1, 1978.

Copies of this letter and Schedule XVI are being sent to the Working Interest owners shown on the attached sheet.

Very truly yours,



Betty R. Burnett
Betty R. Burnett
Supervisor of Contracts and Units

RS/BRB: ONE CONSERVATION DIVISION
SANTA FE

Enclosures

cc: Working Interest Owners
San Juan 31-6 Unit

Matagorda Oil Company
c/o Texas National Bank
Box 2558, Houston, TX 77001
ATT: Oil & Gas Dept.

General American Oil Company
of Texas
Meadows Building
Dallas, Texas 75206
ATT: Mr. L.E.Dooley

Continental Oil Company
P.O. Box 460
Hobbs, New Mexico 88240
ATT: Mr. L.P. Thompson

Amoco Production Company
Security Life Bldg.
Denver, CO 80202
ATT: Mr. T. M. Curtis

Phillips Petroleum Company
Woodside II, Greenwood Plaza
7800 East Dorado Place
Englewood, CO 80111

Getty Oil Company
Three Park Central, Ste.700
Denver, CO 80202
ATT: Mr. J.E. Hofman

Tenneco Oil Company
720 So. Colorado Blvd.
Denver, CO 80222
ATT: Mr. J.A. Dutton

CRA International, Ltd.
5416 South Yale Ave.
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ATT: Partner Operations

The Wiser Oil Company
P.O. Box 2467
Hobbs, New Mexico 88240

PWG Partnership
1218 Sims Building
Albuquerque, New Mexico 87103

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

RECEIVED
JUN 7 - 1979
OIL CONSERVATION DIVISION
SANTA FE

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 31-6 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078995	T-31N, R-6W	960.00	TRACT 1		12.50%	12.660281
	Sec. 28: W/2		Royalty	12.50%		
	Sec. 31: All		Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
	TOTAL			100.00%		
SF 078999	T-31N, R-6W	960.00	TRACT 2		12.50%	12.660281
	Sec. 27: E/2		Royalty	12.50%		
	Sec. 34: E/2		Working Interest:	82.50%		
	Sec. 35: E/2		Northwest Pipeline Corp.	5.00%		
	TOTAL			100.00%		
SF 078999	T-31N, R-6W	320.00	TRACT 2-A		12.50%	4.220094
	Sec. 33: W/2		Royalty	12.50%		
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
	TOTAL			100.00%		
SF 079000	T-30N, R7W	319.10	TRACT 3		12.50%	4.208225
	Sec. 1: Lots 7 & 8 & S/2NW/4 & SW/4		Royalty	12.50%		
			Working Interest:	84.00%		
			El Paso Natural Gas Co.	3.50%		
	TOTAL			100.00%		
SF 079000-A	T-30N, R-7W	319.70	TRACT 4		12.50%	4.216137
	Sec. 1: Lots 5 & 6 & S/2NE/4 & SE/4		Royalty	12.50%		
			Working Interest:	67.00%		
			El Paso Natural Gas Co.	20.50%		
	TOTAL			100.00%		

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
NM 012735	T-30N, R-6W Sec. 6: Lots 8,9, 10,11 & S/2 & S/2N/2 (All)	639.40	ROYALTY	12.50%	12.50%	8.432275
			WORKING INTEREST:			
			EL PASO NATURAL GAS CO.	82.50%	82.50%	
			ORRI	5.00%	5.00%	
	TOTAL		100.00%	100.00%		
SF 079012	T-30N, R-6W Sec. 4: Lots 5,6,7,8 & S/2N/2 & S/2 (All)	639.84	ROYALTY	12.50%	12.50%	8.438078
			WORKING INTEREST:			
			EL PASO NATURAL GAS CO.	82.50%	82.50%	
			ORRI	5.00%	5.00%	
	TOTAL		100.00%	100.00%		
SF 079401	T-30N, R-6W Sec. 1: Lots 7,8 & S/2NW/4	159.69	ROYALTY	12.50%	12.50%	2.105959
			WORKING INTEREST:			
			NORTHWEST PIPELINE CORP.	83.00%	83.00%	
			ORRI	4.50%	4.50%	
	TOTAL		100.00%	100.00%		
NM 012299	T-30N, R-6W Sec. 1: SW/4	160.00	ROYALTY	12.50%	12.50%	2.110047
			WORKING INTEREST:			
			EL PASO NATURAL GAS CO.	42.25%	42.25%	
			CRA INTERNATIONAL	32.95%	32.95%	
	MATAGORDA OIL CO.	9.30%	9.30%			
	ORRI	3.00%	3.00%			
	TOTAL		100.00%	100.00%		
NM 012292	T-30N, R-6W Sec. 3: Lots 5,6,7,8 & S/2 & S/2N/2 (All)	640.48	ROYALTY	12.50%	12.50%	8.446518
			WORKING INTEREST:			
			EL PASO NATURAL GAS CO.	82.50%	82.50%	
			ORRI	5.00%	5.00%	
	TOTAL		100.00%	100.00%		

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03404	T-30N, R-6W Sec. 5: Lots 5,6,7, 8 & S/2N/2 & S/2 (All)	639.16	<u>TRACT 10</u>		12.50%	8.429110
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			TOTAL	<u>100.00%</u>		
E-289-3	T-31N, R-6W Sec. 32: NW/4	160.00	<u>TRACT 11</u>		12.50%	2.110047
			Royalty			
			Working Interest:			
			Wiser Oil Company			
			TOTAL	<u>100.00%</u>		
E-289-45	T-31N, R-6W Sec. 32: SW/4NE/4	40.00	<u>TRACT 11-A</u>		12.50%	.527512
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			TOTAL	<u>100.00%</u>		
E-289-43	T-31N, R-6W Sec. 32: N/2NE/4	80.00	<u>TRACT 11-B</u>		12.50%	1.055023
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			TOTAL	<u>100.00%</u>		
E-346-26	T-31N, R-6W Sec. 32: SE/4NE/4 & SE/4	200.00	<u>TRACT 12</u>		12.50%	2.637559
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.			
			TOTAL	<u>100.00%</u>		

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E-346-25	T-31N, R-6W Sec. 32: SW/4	160.00	TRACT 12-A		12.50%	2.110047
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.		85.00%	
			ORRI		2.50%	
			TOTAL		100.00%	
E-347-40	T-30N, R-6W Sec. 2: N/2SE/4	160.00	TRACT 13		12.50%	2.110047
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.		82.75%	
			ORRI		4.75%	
			TOTAL		100.00%	
E-347-41	T-30N, R-6W Sec. 2: S/2SE/4	80.00	TRACT 13-A		12.50%	1.055023
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.		82.50%	
			ORRI		5.00%	
			TOTAL		100.00%	
E-347-34	T-31N, R-6W Sec. 36: S/2NW/4	80.00			12.50%	1.055023
			Royalty			
			Working Interest:			
			Amoco Production Co.		82.50%	
			ORRI		5.00%	
			TOTAL		100.00%	
E-347-38	T-30N, R-6W Sec. 2: SW/4	320.00	TRACT 13-B		12.50%	4.220094
			Royalty			
			Working Interest:			
			Northwest Pipeline Corp.		85.00%	
			ORRI		2.50%	
			TOTAL		100.00%	

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AS PARTICIPANT
			OWNERSHIP	PERCENTAGE		
E-347-39	T-30N, R-6W	545.40	Royalty Working Interest: Northwest Pipeline Corp. ORRI	12.50%	12.50%	7.192622
	Sec. 2: Lots 5,6,7, 8 & S/2N/2			82.50%	82.50%	
	T-31N, R-6W		TOTAL	5.00%	5.00%	
	Sec. 36: Lots 1,2,3, 4 & W/2E/2		TRACT 13-C	100.00%	100.00%	

SCHEDULE XVI

FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION

SAN JUAN 31-6 UNIT AREA

RECAPITULATION

Township 31 North, Range 6 West, N.M.P.M.

- Section 27: E/2
- Section 28: W/2
- Section 31: All
- Section 32: All
- Section 33: W/2
- Section 34: E/2
- Section 35: E/2
- Section 36: All

Township 30 North, Range 6 West, N.M.P.M.

- Section 1: W/2
- Section 2: All
- Section 3: All
- Section 4: All
- Section 5: All
- Section 6: Lots 8,9,10,11, S/2N/2 & S/2 (All)

Township 30 North, Range 7 West, N.M.P.M.

- Section 1: Lots 5,6,7,8, S/2N/2 & S/2 (All)

Total number of acres in Participating Area:

7582.77

Total number of acres committed to Participating Area:

7582.77

Percentage of Working Interest Committed:

100.00%

Percentage of Basic Royalty Interest Committed:

100.00%

Percentage of ORRI Committed:

100.00%

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

May 31, 1979

Mr. James A. Gillham
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Attn: Mr. Ray D. Graham
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Attn: Mr. Joe Ramey
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
Fifteenth Expanded Participating
Area, Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to the San Juan 31-6 Unit and that the Participating Area for the Mesaverde should be expanded as follows:

Fifteenth Expanded Participating Area - Effective August 1, 1978

<u>Drilling Block</u>	<u>Acres</u>	<u>Well Name & Number</u>
E/2 Sec. 35	320.00	San Juan 31-6 Unit #30
W/2 Sec. 36	320.00	Intervening Drilling Block

May 31, 1979

Page Two

The San Juan 31-6 Unit No.30 well is located 800 feet from the north line and 900 feet from the east line, Section 35, T-31N, R-6W, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 28, 1978 and completed on July 18, 1978, in the Mesaverde formation at a plug back depth of 6006 feet. The Mesaverde formation was perforated with one hole at each of the following depths:

5454, 5458, 5462, 5612, 5618, 5694, 5700, 5706, 5712, 5718, 5738,
5744, 5750, 5758, 5762, 5768, 5774, 5780, 5786, 5792, 5808, 5814,
5820, 5830, 5836, 5858, 5864, 5466.

These perforations were treated with 1500 gallons 7½% hydrochloric acid, followed by a sand-water fracturing. The well was shut-in July 8, 1978, for ten (10) days with a SIPT of 587 psig and SIPC of 1200 psig. On July 18, 1978, the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 3187 MCFD with a calculated AOF of 4453 MCFD.

Attached are Schedule XVI and ownership map showing the Fifteenth Expanded Participating Area for the Mesaverde Formation of the San Juan 31-6 Unit area. The schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. In as much as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Fifteenth Expanded Participating area will be effective as of August 1, 1978.

Copies of this letter and Schedule XVI are being sent to the Working Interest owners shown on the attached sheet.

Very truly yours,



Betty R. Burnett

Supervisor of Contracts and Units

RS/BRB: meq

Enclosures

cc: Working Interest Owners
San Juan 31-6 Unit

Matagorda Oil Company
c/o Texas National Bank
Box 2558, Houston, TX 77001
ATT: Oil & Gas Dept.

General American Oil Company
of Texas
Meadows Building
Dallas, Texas 75206
ATT: Mr. L.E.Dooley

Continental Oil Company
P.O. Box 460
Hobbs, New Mexico 88240
ATT: Mr. L.P. Thompson

Amoco Production Company
Security Life Bldg.
Denver, CO 80202
ATT: Mr. T. M. Curtis

Phillips Petroleum Company
Woodside II, Greenwood Plaza
7800 East Dorado Place
Englewood, CO 80111

Getty Oil Company
Three Park Central, Ste.700
Denver, CO 80202
ATT: Mr. J.E. Hofman

Tenneco Oil Company
720 So. Colorado Blvd.
Denver, CO 80222
ATT: Mr. J.A. Dutton

CRA International, Ltd.
5416 South Yale Ave.
Tulsa, Oklahoma 74135
ATT: Partner Operations

The Wiser Oil Company
P.O. Box 2467
Hobbs, New Mexico 88240

PWG Partnership
1218 Sims Building
Albuquerque, New Mexico 87103

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

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 31-6 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE COMMITTED	
SF 078995	T-31LN, R-6W	960.00	TRACT 1		12.660281
	Sec. 28: W/2		Royalty	12.50%	
	Sec. 31: All		Working Interest:	82.50%	
			Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 078999	T-31LN, R-6W	960.00	TRACT 2		12.660281
	Sec. 27: E/2		Royalty	12.50%	
	Sec. 34: E/2		Working Interest:	82.50%	
	Sec. 35: E/2		Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 078999	T-31LN, R-6W	320.00	TRACT 2-A		4.220094
	Sec. 33: W/2		Royalty	12.50%	
			Working Interest:	82.50%	
			Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 079000	T-30N, R7W	319.10	TRACT 3		4.208225
	Sec. 1: Lots 7 & 8 & S/2NW/4 & SW/4		Royalty	12.50%	
			Working Interest:	84.00%	
			El Paso Natural Gas Co.	3.50%	
			TOTAL	100.00%	
SF 079000-A	T-30N, R-7W	319.70	TRACT 4		4.216137
	Sec. 1: Lots 5 & 6 & S/2NE/4 & SE/4		Royalty	12.50%	
			Working Interest:	67.00%	
			El Paso Natural Gas Co.	20.50%	
			TOTAL	100.00%	

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 012735	T-30N, R-6W	639.40	Royalty Working Interest: El Paso Natural Gas Co. ORRI	TRACT 5	12.50%	8.432275
	Sec. 6: Lots 8,9, 10,11 & S/2 & S/2N/2 (All)				82.50%	
	TOTAL				100.00%	
					100.00%	
SF 079012	T-30N, R-6W	639.84	Royalty Working Interest: El Paso Natural Gas Co. ORRI	TRACT 6	12.50%	8.438078
	Sec. 4: Lots 5,6,7,8 & S/2N/2 & S/2 (All)				82.50%	
	TOTAL				100.00%	
					100.00%	
SF 079401	T-30N, R-6W	159.69	Royalty Working Interest: Northwest Pipeline Corp. ORRI	TRACT 7	12.50%	2.105959
	Sec. 1: Lots 7,8 & S/2NW/4				83.00%	
	TOTAL				100.00%	
					100.00%	
NM 012299	T-30N, R-6W	160.00	Royalty Working Interest: El Paso Natural Gas Co. CRA International Matagorda Oil Co. ORRI	TRACT 8	12.50%	2.110047
	Sec. 1: SW/4				42.25%	
	TOTAL				100.00%	
					100.00%	
NM 012292	T-30N, R-6W	640.48	Royalty Working Interest: El Paso Natural Gas Co. ORRI	TRACT 9	12.50%	8.446518
	Sec. 3: Lots 5,6,7,8 & S/2 & S/2N/2 (All)				82.50%	
	TOTAL				100.00%	
					100.00%	

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03404	T-30N, R-6W Sec. 5: Lots 5,6,7, 8 & S/2N/2 & S/2 (All)	639.16	Royalty	12.50%	12.50%	8.429110
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
E-289-3	T-31N, R-6W Sec. 32: NW/4	160.00	Royalty	12.50%	12.50%	2.110047
			Working Interest:	87.50%		
			Wiser Oil Company	100.00%		
			TOTAL			
			TRACT 11			
E-289-45	T-31N, R-6W Sec. 32: SW/4NE/4	40.00	Royalty	12.50%	12.50%	.527512
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
			TRACT 11-A			
E-289-43	T-31N, R-6W Sec. 32: N/2NE/4	80.00	Royalty	12.50%	12.50%	1.055023
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
			TRACT 11-B			
E-346-26	T-31N, R-6W Sec. 32: SE/4NE/4 & SE/4	200.00	Royalty	12.50%	12.50%	2.637559
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
			TRACT 12			

Effective August 1, 1978

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AS PARTICIPANT
			OWNERSHIP	PERCENTAGE		
E-346-25	T-31N, R-6W Sec. 32: SW/4	160.00	<u>TRACT 12-A</u>		12.50%	2.110047
			Royalty	12.50%		
			Working Interest: Northwest Pipeline Corp.	85.00%		
			ORRI	2.50%		
			TOTAL	100.00%		
E-347-40	T-30N, R-6W Sec. 2: N/2SE/4	160.00	<u>TRACT 13</u>		12.50%	2.110047
			Royalty	12.50%		
			Working Interest: Northwest Pipeline Corp.	82.75%		
			ORRI	4.75%		
			TOTAL	100.00%		
E-347-41	T-30N, R-6W Sec. 2: S/2SE/4	80.00	<u>TRACT 13-A</u>		12.50%	1.055023
			Royalty	12.50%		
			Working Interest: Northwest Pipeline Corp.	82.50%		
			ORRI	5.00%		
			TOTAL	100.00%		
E-347-34	T-31N, R-6W Sec. 36: S/2NW/4	80.00	<u>TRACT 13-B</u>		12.50%	1.055023
			Royalty	12.50%		
			Working Interest: Amoco Production Co.	82.50%		
			ORRI	5.00%		
			TOTAL	100.00%		
E-347-38	T-30N, R-6W Sec. 2: SW/4	320.00	<u>TRACT 13-B</u>		12.50%	4.220094
			Royalty	12.50%		
			Working Interest: Northwest Pipeline Corp.	85.00%		
			ORRI	2.50%		
			TOTAL	100.00%		

Effective August 1, 1978

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACRES PARTICIPATING
			OWNERSHIP	PERCENTAGE		
E-347-39	T-30N, R-6W	545.40	Royalty Working Interest: Northwest Pipeline Corp. ORRI	12.50%	12.50%	7.192622
	Sec. 2: Lots 5,6,7, 8 & S/2N/2			82.50%	82.50%	
	T-31N, R-6W		TOTAL	5.00%	5.00%	
	Sec. 36: Lots 1,2,3, 4 & W/2E/2			<u>100.00%</u>	<u>100.00%</u>	

SCHEDULE XVI

FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION

SAN JUAN 31-6 UNIT AREA

RECAPITULATION

Township 31 North, Range 6 West, N.M.P.M.

- Section 27: E/2
- Section 28: W/2
- Section 31: All
- Section 32: All
- Section 33: W/2
- Section 34: E/2
- Section 35: E/2
- Section 36: All

Township 30 North, Range 6 West, N.M.P.M.

- Section 1: W/2
- Section 2: All
- Section 3: All
- Section 4: All
- Section 5: All
- Section 6: Lots 8,9,10,11, S/2N/2 & S/2 (ALL)

Township 30 North, Range 7 West, N.M.P.M.

- Section 1: Lots 5,6,7,8, S/2N/2 & S/2 (ALL)

Total number of acres in Participating Area:

7582.77

Total number of acres committed to Participating Area:

7582.77

Percentage of Working Interest Committed:

100.00%

Percentage of Basic Royalty Interest Committed:

100.00%

Percentage of ORRI Committed:

100.00%

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

May 31, 1979

Mr. James A. Gillham
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
Attn: Mr. Ray D. Graham
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
State of New Mexico
Attn: Mr. Joe Ramey
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
Fifteenth Expanded Participating
Area, Mesaverde Formation
Effective August 1, 1978

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to the San Juan 31-6 Unit and that the Participating Area for the Mesaverde should be expanded as follows:

Fifteenth Expanded Participating Area - Effective August 1, 1978

<u>Drilling Block</u>	<u>Acres</u>	<u>Well Name & Number</u>
E/2 Sec. 35	320.00	San Juan 31-6 Unit #30
W/2 Sec. 36	320.00	Intervening Drilling Block

May 31, 1979
Page Two

The San Juan 31-6 Unit No.30 well is located 800 feet from the north line and 900 feet from the east line, Section 35, T-31N, R-6W, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on June 28, 1978 and completed on July 18, 1978, in the Mesaverde formation at a plug back depth of 6006 feet. The Mesaverde formation was perforated with one hole at each of the following depths:

5454, 5458, 5462, 5612, 5618, 5694, 5700, 5706, 5712, 5718, 5738,
5744, 5750, 5758, 5762, 5768, 5774, 5780, 5786, 5792, 5808, 5814,
5820, 5830, 5836, 5858, 5864, 5466.

These perforations were treated with 1500 gallons 7½% hydrochloric acid, followed by a sand-water fracturing. The well was shut-in July 8, 1978, for ten (10) days with a SIPT of 587 psig and SIPC of 1200 psig. On July 18, 1978, the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the 2 3/8 inch tubing, the well gauged 3187 MCFD with a calculated AOF of 4453 MCFD.

Attached are Schedule XVI and ownership map showing the Fifteenth Expanded Participating Area for the Mesaverde Formation of the San Juan 31-6 Unit area. The schedule describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. In as much as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Fifteenth Expanded Participating area will be effective as of August 1, 1978.

Copies of this letter and Schedule XVI are being sent to the Working Interest owners shown on the attached sheet.

Very truly yours,



Betty R. Burnett
Supervisor of Contracts and Units

RS/BRB: meq

Enclosures

cc: Working Interest Owners
San Juan 31-6 Unit

Matagorda Oil Company
c/o Texas National Bank
Box 2558, Houston, TX 77001
ATT: Oil & Gas Dept.

General American Oil Company
of Texas
Meadows Building
Dallas, Texas 75206
ATT: Mr. L.E. Dooley

Continental Oil Company
P.O. Box 460
Hobbs, New Mexico 88240
ATT: Mr. L.P. Thompson

Amoco Production Company
Security Life Bldg.
Denver, CO 80202
ATT: Mr. T. M. Curtis

Phillips Petroleum Company
Woodside II, Greenwood Plaza
7300 East Dorado Place
Englewood, CO 80111

Getty Oil Company
Three Park Central, Ste. 700
Denver, CO 80202
ATT: Mr. J.E. Hofman

Tenneco Oil Company
720 So. Colorado Blvd.
Denver, CO 80222
ATT: Mr. J.A. Dutton

CRA International, Ltd.
5416 South Yale Ave.
Tulsa, Oklahoma 74135
ATT: Partner Operations

The Wiser Oil Company
P.O. Box 2467
Hobbs, New Mexico 88240

PWG Partnership
1218 Sims Building
Albuquerque, New Mexico 87103

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

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 31-6 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078995	T-31N, R-6W	960.00	TRACT 1		12.50%
	Sec. 28: W/2		Royalty	12.50%	
	Sec. 31: All		Working Interest:	82.50%	
			Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 078999	T-31N, R-6W	960.00	TRACT 2		12.50%
	Sec. 27: E/2		Royalty	12.50%	
	Sec. 34: E/2		Working Interest:	82.50%	
	Sec. 35: E/2		Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 078999	T-31N, R-6W	320.00	TRACT 2-A		12.50%
	Sec. 33: W/2		Royalty	12.50%	
			Working Interest:	82.50%	
			Northwest Pipeline Corp.	5.00%	
			TOTAL	100.00%	
SF 079000	T-30N, R7W	319.10	TRACT 3		12.50%
	Sec. 1: Lots 7 & 8 & S/2NW/4 & SW/4		Royalty	12.50%	
			Working Interest:	84.00%	
			El Paso Natural Gas Co.	3.50%	
			TOTAL	100.00%	
SF 079000-A	T-30N, R-7W	319.70	TRACT 4		12.50%
	Sec. 1: Lots 5 & 6 & S/2NE/4 & SE/4		Royalty	12.50%	
			Working Interest:	67.00%	
			El Paso Natural Gas Co.	20.50%	
			TOTAL	100.00%	

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION		
			OWNERSHIP	PERCENTAGE			
NM 012735	T-30N, R-6W Sec. 6: Lots 8,9, 10,11 & S/2 & S/2N/2 (All)	639.40	Royalty Working Interest: El Paso Natural Gas Co. ORRI	TRACT 5	12.50%	8.432275	
				TOTAL	100.00%		
				TRACT 6	12.50%		8.438078
				TOTAL	100.00%		
SF 079012	T-30N, R-6W Sec. 4: Lots 5,6,7,8 & S/2N/2 & S/2 (All)	639.84	Royalty Working Interest: El Paso Natural Gas Co. ORRI	TRACT 7	12.50%	2.105959	
				TOTAL	100.00%		
				TRACT 8	12.50%		2.110047
				TOTAL	100.00%		
NM 012299	T-30N, R-6W Sec. 1: SW/4	160.00	Royalty Working Interest: El Paso Natural Gas Co. CRA International Matagorda Oil Co. ORRI	TRACT 9	12.50%	8.446518	
				TOTAL	100.00%		
				TRACT 10	12.50%		8.446518
				TOTAL	100.00%		
NM 012292	T-30N, R-6W Sec. 3: Lots 5,6,7,8 & S/2 & S/2N/2 (All)	640.48	Royalty Working Interest: El Paso Natural Gas Co. ORRI	TRACT 11	12.50%	8.446518	
				TOTAL	100.00%		
				TRACT 12	12.50%		8.446518
				TOTAL	100.00%		

Effective August 1, 1978

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03404	T-30N, R-6W Sec. 5: Lots 5,6,7, 8 & S/2N/2 & S/2 (ALL)	639.16	Royalty	12.50%	12.50%	8.429110
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
E-289-3	T-31N, R-6W Sec. 32: NW/4	160.00	Royalty	12.50%	12.50%	2.110047
			Working Interest:	87.50%		
			Wiser Oil Company	100.00%		
			TOTAL			
			TRACT 11			
E-289-45	T-31N, R-6W Sec. 32: SW/4NE/4	40.00	Royalty	12.50%	12.50%	.527512
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
			TRACT 11-A			
E-289-43	T-31N, R-6W Sec. 32: N/2NE/4	80.00	Royalty	12.50%	12.50%	1.055023
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
			TRACT 11-B			
E-346-26	T-31N, R-6W Sec. 32: SE/4NE/4 & SE/4	200.00	Royalty	12.50%	12.50%	2.637559
			Working Interest:	82.50%		
			Northwest Pipeline Corp.	5.00%		
			ORRI	100.00%		
			TOTAL			
			TRACT 12			

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AND PARTICIPATING
			OWNERSHIP	PERCENTAGE		
E-346-25	T-31N, R-6W Sec. 32: SW/4	160.00	<u>TRACT 12-A</u>		12.50%	2.110047
			Royalty			
			Working Interest:		85.00%	
			Northwest Pipeline Corp.		2.50%	
			TOTAL	<u>100.00%</u>		
E-347-40	T-30N, R-6W Sec. 2: N/2SE/4	160.00	<u>TRACT 13</u>		12.50%	2.110047
			Royalty			
			Working Interest:		82.75%	
			Northwest Pipeline Corp.		4.75%	
			TOTAL	<u>100.00%</u>		
E-347-41	T-30N, R-6W Sec. 2: S/2SE/4	80.00	<u>TRACT 13-A</u>		12.50%	1.055023
			Royalty			
			Working Interest:		82.50%	
			Northwest Pipeline Corp.		5.00%	
			TOTAL	<u>100.00%</u>		
E-347-34	T-31N, R-6W Sec. 36: S/2NW/4	80.00			12.50%	1.055023
			Royalty			
			Working Interest:		82.50%	
			Amoco Production Co.		5.00%	
			TOTAL	<u>100.00%</u>		
E-347-38	T-30N, R-6W Sec. 2: SW/4 T-31N, R-6W Sec. 36: SW/4	320.00	<u>TRACT 13-B</u>		12.50%	4.220094
			Royalty			
			Working Interest:		85.00%	
			Northwest Pipeline Corp.		2.50%	
			TOTAL	<u>100.00%</u>		

Effective August 1, 1978

NORTHWEST PIPELINE CORPORATION

UNIT AREA EXPANSION SCHEDULE

SCHEDULE XVI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACRES PARTICIPATING
			OWNERSHIP	PERCENTAGE		
E-347-39	T-30N, R-6W	545.40	Royalty Working Interest: Northwest Pipeline Corp. ORRI	12.50%	12.50%	7.192622
	Sec. 2: Lots 5,6,7, 8 & S/2N/2			82.50%	82.50%	
	T-31N, R-6W		TOTAL	5.00%	5.00%	
	Sec. 36: Lots 1,2,3, 4 & W/2E/2			100.00%	100.00%	

TRACT 13-C

SCHEDULE XVI

FIFTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION

SAN JUAN 31-6 UNIT AREA

RECAPITULATION

Township 31 North, Range 6 West, N.M.P.M.

- Section 27: E/2
- Section 28: W/2
- Section 31: All
- Section 32: All
- Section 33: W/2
- Section 34: E/2
- Section 35: E/2
- Section 36: All

Township 30 North, Range 6 West, N.M.P.M.

- Section 1: W/2
- Section 2: All
- Section 3: All
- Section 4: All
- Section 5: All
- Section 6: Lots 8,9,10,11, S/2N/2 & S/2 (ALL)

Township 30 North, Range 7 West, N.M.P.M.

- Section 1: Lots 5,6,7,8, S/2N/2 & S/2 (ALL)

Total number of acres in Participating Area:

7582.77

Total number of acres committed to Participating Area:

7582.77

Percentage of Working Interest Committed:

100.00%

Percentage of Basic Royalty Interest Committed:

100.00%

Percentage of ORRI Committed:

100.00%

State of New Mexico



ALEX J. ARMIJO
COMMISSIONER



Commissioner of Public Lands

May 23, 1979

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Re: San Juan 31-6 Unit
Rio Arriba County
1979 DRILLING PROGRAM

ATTENTION: Betty R. Burnett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1979 Drilling Program for the San Juan 31-6 Unit agreement, Rio Arriba County, New Mexico. Such plan proposes the drilling of three Dakota wells and one Mesaverde well during 1979.

Our approval is subject to like approval by the United States Geological Survey. The New Mexico Oil Conservation Division gave their approval May 18, 1979.

Enclosed is one approved copy for your files.

Your Three (\$3.00) Dollar filing fee has been received.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

AJA/RDG/s

encls.

cc: OCD-Santa Fe, New Mexico
 USGS-Roswell, New Mexico
 USGS-Albuquerque, New Mexico

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

May 18, 1979

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: Betty R. Burnett

Re: Case No. 467
San Juan 31-6 Unit
1979 Drilling Program

Gentlemen:

We hereby approve the 1979 Drilling Program for the San Juan 31-6 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

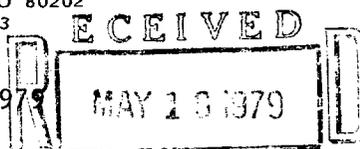
JDR/EP/fd
enc.

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

C
O
P
Y

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303



May 11, 1979

OIL CONSERVATION DIVISION
SANTA FE

Mr. James A. Gillham
United States Geological Survey
P.O. Box Drawer 1857
Roswell, New Mexico 88201

*Case 467
Approved 5/17/79
Z/P*

Commissioner of Public Lands
State of New Mexico
P.O. Box 1148
Santa Fe, New Mexico
Attn: Mr. Ray D. Graham

Oil Conservation Commission
State of New Mexico
P.O. Box 2088
Santa Fe, New Mexico
Attn: Mr. Joe Ramey

Re: San Juan 31-6 Unit
#14-08-001-464
Rio Arriba County
1979 Drilling Program

Gentlemen:

By letter date January 23, 1978, Northwest Pipeline Corporation, Unit Operator, filed a drilling program for the captioned unit for the calendar year 1978, providing for the drilling of one (1) Mesaverde well. This well was timely drilled.

With the completion of the above well, the total number of wells drilled in the San Juan 31-6 Unit is as follows:

Mesaverde, Commercial	19
Mesaverde, Non-Commercial	1
Mesaverde, Commerciality not determined	1
Mesaverde, Temporarily abandoned	1
Mesaverde, Plugged & abandoned	1
Mesaverde-Dakota, Dual (Dakota temporarily abandoned)	1
Dakota, Commercial	<u>1</u>
TOTAL	25

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following wells during the calendar year 1979.

Mr. James A. Gillham, et al
Re: San Juan 31-6 Unit
Page Two

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 31-6 Unit #32	W/2 Sec. 36, 31N-R6W	Mesaverde
San Juan 31-6 Unit #33	N/2 Sec. 34, 31N-R6W	Dakota
San Juan 31-6 Unit #31	S/2 Sec. 35, 31N-R6W	Dakota
San Juan 31-6 Unit #35	N/2 Sec. 35, 31N-R6W	Dakota

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the unit operator or 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 one approved copy to Northwest Pipeline Corporation.

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

Very truly yours,



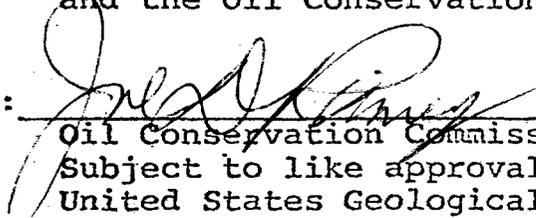
Betty R. Burnett
Supervisor of Contracts and Units

BRB/meq

Attachments

APPROVED: _____ DATE: _____
Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

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

APPROVED:  _____ DATE: 5/21/79
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
The Commissioner of Public Lands

The foregoing approvals are for the San Juan 31-6 Unit
#14-08-001-464, Rio Arriba County, New Mexico, 1979 Drilling
Program.

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

PWG Partnership
1218 Sims Building.
Albuquerque, New Mexico 87103

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, Colorado 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
720 South Colorado Boulevard
Denver, Colorado 80222

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

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

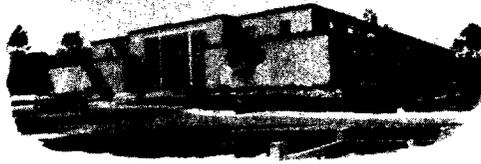
General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. J. E. Hofmann
Three Park Central, Suite 700
Denver, Colorado 80202

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, Oklahoma 74135
Attention: Partner Operations

State of New Mexico



Commissioner of Public Lands

PHIL R. LUCERO
COMMISSIONER

February 14, 1978

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

700 467

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
FOURTEENTH EXPANDED PARTICIPATING
AREA, Mesaverde Formation
Effective December 1, 1977

ATTENTION: Betty R. Burnett

Gentlemen:

We are in receipt of three copies of the Fourteenth Expanded Participating Area, Mesaverde Formation, for the San Juan 31-6 Unit, Rio Arriba County, New Mexico.

Inasmuch as this needs no official approval, we have this date filed same in our unit files.

Enclosed is one copy reflecting the date it was received in this office.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

PRL/RDG/a

encl.

cc: OCC-Santa Fe, New Mexico ✓
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

February 14, 1978

Mr. Carl C. Traywick
Assistant Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1978 Drilling Program

Gentlemen:

The 1978 Drilling Program filed on January 23, 1978 for the San Juan 31-6 Unit has been approved by the regulatory agencies as follows:

Commissioner of Public Lands	January 30, 1978
Oil Conservation Commission	February 2, 1978
U.S. Geological Survey	February 9, 1978

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

Sincerely,



Betty R. Burnett
Supervisor of Contracts and Units

BRB:mk

cc: San Juan 31-6 Unit Working Interest Owners

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, Colorado 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
720 South Colorado Boulevard
Denver, Colorado 80222

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

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

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. J. E. Hofmann
Three Park Central, Suite 700
Denver, Colorado 80202

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, Oklahoma 74135
Attention: Partner Operations

SAN JUAN 31-6 UNIT

Working Interest Owners Continued

PWG Partnership
1218 Simms Building
Albuquerque, New Mexico 87103

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

February 8, 1978

FEB 13 1978

Mr. Carl C. Traywick
Assistant Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
FOURTEENTH EXPANDED PARTICIPATING
AREA, Mesaverde Formation
Effective December 1, 1977

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has determined that the following well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to the San Juan 31-6 Unit and that the Participating Area for the Mesaverde should be expanded as follows:

FOURTEENTH EXPANDED PARTICIPATING AREA --- Effective December 1, 1977

<u>Drilling Block</u>	<u>Acres</u>	<u>Well Name & No.</u>
Lots 1,2,3,4, W/2 E/2 Section 36-31N-6W	225.44	San Juan 31-6 Unit #29

Pertinent data on this well is as follows:

The San Juan 31-6 Unit No. 29 Well is located 1100' from the North Line and 970' from the East Line, Section 36, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on October 25,

U.S. Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
February 8, 1978
page two

1977, and completed on November 4, 1977, in the Mesaverde formation at a plug back total depth of 5970'. The Mesaverde formation was perforated with one hole at each of the following depths: 5522', 5526', 5530', 5582', 5586', 5590', 5594', 5598', 5602', 5606', 5658', 5662', 5732', 5754', 5758', 5762', 5766', 5771', 5778', 5806', 5810', 5814', 5828', 5832', 5836', 5840', 5844'. These perforations were treated with 7-1/2% hydrochloric acid, followed by a sand-water fracturing. The well was shut-in November 4, 1977 for 7 days with a SIPT of 1165 psig and a SIPC of 1166 psig. On November 11, 1977, the well was tested and after flowing for three (3) hours through a 3/4 inch variable choke on the 2-3/8 inch tubing, the well gauged 4442 MCFD with a calculated AOF of 7847 MCFD.

Attached are Schedule XV and ownership map showing the Fourteenth Expanded Participating Area for the Mesaverde formation of the San Juan 31-6 Unit Area. The Schedule described 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 Fourteenth Expanded Participating Area will become effective December 1, 1977.

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

Sincerely,



Betty R. Burnett
Supervisor of Contracts and Units

BRB:mk

Enclosures

cc: Working Interest Owners
San Juan 31-6 Unit

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, Colorado 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
720 South Colorado Boulevard
Denver, Colorado 80222

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

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

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. J. E. Hofmann
Three Park Central, Suite 700
Denver, Colorado 80202

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, Oklahoma 74135
Attention: Partner Operations

SAN JUAN 31-6 UNIT

Working Interest Owners Continued

PWG Partnership
1218 Simms Building
Albuquerque, New Mexico 87103

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XV
 FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT AREA

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

SF 078995	T-31-N, R-6W Sec. 28: W/2 Sec. 31: All	960.00		TRACT 1			
			Royalty;		12.50%	12.50%	13.827334%
			Working Interest;				
			Northwest Pipeline Corp.;		82.50%	82.50%	
			ORRI;		5.00%	5.00%	
			TOTAL		100.00%	100.00%	

SF 078999	T-31-N, R-6-W Sec 27: E/2 Sec 33: W/2 Sec 34: E/2	960.00		TRACT 2			
			Royalty;		12.50%	12.50%	13.827334%
			Working Interest;				
			Northwest Pipeline Corp.;		82.50%	82.50%	
			ORRI;		5.00%	5.00%	
			TOTAL		100.00%	100.00%	

SF 079000	T-30-N, R-7-W Sec 1: Lots 7 & 8, & S/2 NW/4 & SW/4	319.10		TRACT 3			
			Royalty;		12.50%	12.50%	4.596148%
			Working Interest;				
			El Paso Natural Gas Co.;		84.00%	84.00%	
			ORRI;		3.50%	3.50%	
			TOTAL		100.00%	100.00%	

SF 079000-A	T-30-N, R-7-W Sec 1: Lots 5 & 6, S/2 NE/4 & SE/4	319.70		TRACT 4			
			Royalty;		12.50%	12.50%	4.604790%
			Working Interest;				
			El Paso Natural Gas Co.;		67.00%	67.00%	
			ORRI;		20.50%	20.50%	
			TOTAL		100.00%	100.00%	

Effective December 1, 1977

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION	
NM-012735	T-30-N, R-6-W	639.40	Royalty; Working Interest; El Paso Natural Gas Co.;	TRACT 5	12.50%	12.50%	9.209581%	
	Sec 6: Lots 8,9,10,11, S/2 & S/2 N/2 (A11)				82.50%	82.50%		
					TOTAL	100.00%	100.00%	
SF 079012	T-30-N, R-6-W	639.84	Royalty; Working Interest; El Paso Natural Gas Co.;	TRACT 6	12.50%	12.50%	9.215918%	
	Sec 4: Lots 5,6,7,8, S/2 N/2 & S/2 (A11)				82.50%	82.50%		
					TOTAL	100.00%	100.00%	
SF 079401	T-30-N, R-6-W	159.69	Royalty; Working Interest; Northwest Pipeline Corp.;	TRACT 7	12.50%	12.50%	2.300091%	
	Sec 1: Lots 7, 8, S/2 NW/4				83.00%	83.00%		
					TOTAL	100.00%	100.00%	
NM 012299	T-30-N, R-6-W	160.00	Royalty; Working Interest; El Paso Natural Gas Co.;	TRACT 8	12.50%	12.50%	2.304556%	
	Sec 1: SW/4				42.25%	42.25%		
					TOTAL	100.00%	100.00%	

Effective December 1, 1977

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 012292	T-30-N, R-6-W Sec 3: Lots 5,6,7,8, S/2 & S/2 N/2 (A11)	640.48	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	TRACT 9	12.50%	12.50%	9.225136%
			TOTAL		100.00%	100.00%	
				TRACT 10			9.206124%
NM 03404	T-30-N, R-6-W Sec 5: Lots 5,6,7,8, S/2 N/2 & S/2 (A11)	639.16	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;		12.50%	12.50%	
			TOTAL		100.00%	100.00%	
E-289-3	T-31-N, R-6-W Sec 32: NW/4	160.00	Royalty; Working Interest; Wiser Oil Company	TRACT 11	12.50%	12.50%	2.304556%
			TOTAL		87.50%	87.50%	
					100.00%	100.00%	
E-289-45	T-31-N, R-6-W Sec 32: SW/4 NE/4	40.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	TRACT 11-A	12.50%	12.50%	.576138%
			TOTAL		82.50%	82.50%	
					5.00%	5.00%	
					100.00%	100.00%	

Effective December 1, 1977

NORTHWEST PIPELINE CORPORATION
UNIT AREA EXPANSION SCHEDULE

SCHEDULE XV

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-347-41	T-30-N, R-6-W	80.00	Royalty;	TRACT 13-A	12.50%	12.50%	1.152278%
	Working Interest;						
	Northwest Pipeline Corp.;						
	ORRI;						
	TOTAL				100.00%	100.00%	
				TRACT 13-B			
E-347-38	T-30-N, R-6-W	160.00	Royalty;	TRACT 13-B	12.50%	12.50%	2.304556%
	Working Interest;						
	Northwest Pipeline Corp.;						
	ORRI;						
	TOTAL				100.00%	100.00%	
E-347-39	T-30-N, R-6-W	545.40	Royalty;	TRACT 13-C	12.50%	12.50%	7.855654%
	Working Interest;						
	Northwest Pipeline Corp.;						
	ORRI;						
	TOTAL				100.00%	100.00%	

Effective December 1, 1977

SCHEDULE XV
FOURTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVEDE FORMATION
SAN JUAN 31-6 UNIT AREA

RECAPITULATION

Township 31 North, Range 6 West, N.M.P.M.
Section 27: E/2
Section 28: W/2
Section 31: All
Section 32: All
Section 33: W/2
Section 34: E/2
Section 36: Lots 1,2,3,4, W/2 E/2

Township 30 North, Range 6 West, N.M.P.M.
Section 1: W/2
Section 2: All
Section 3: All
Section 4: All
Section 5: All
Section 6: Lots 8,9,10,11, S/2 N/2 & S/2

Township 30 North, Range 7 West, N.M.P.M.
Section 1: Lots 5,6,7,8, S/2 N/2 & S/2

Total number of acres in Participating Area:	6,942.77
Total number of acres committed to Participating Area:	6,942.77
Percentage of Working Interest Committed:	100.00%
Percentage of Basic Royalty Interest Committed:	100.00%
Percentage of ORRI Committed:	100.00%



United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124
Albuquerque, New Mexico 87125

FEB 09 1978

Northwest Pipeline Corporation
Attention: Ms. Betty Burnett
One Park Central, Suite 1487
Denver, Colorado 80202

no. 407

Gentlemen:

The 1978 plan of development submitted for the San Juan 31-6 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 one Mesaverde well.

One approved copy is enclosed.

Sincerely yours,

(ORIG. SGD.) GENE F. DANIEL

Acting Area Oil and Gas Supervisor

Enclosure

cc:
NMOCC, Santa Fe (1tr. only) ← This copy for
Com. Pub. Lands, Santa Fe (1tr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 2, 1978

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: Betty R. Burnett

Re: Case No. 467
San Juan 31-6 Unit
1978 Drilling Program

Gentlemen:

We hereby approve the 1978 Drilling Program for the San Juan 31-6 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.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/LT/fd
enc.

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

C

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P

Y

State of New Mexico



RECEIVED

JAN 30 1978

Oil Conservation Commission

Commissioner of Public Lands

PHIL R. LUCERO
COMMISSIONER

January 30, 1978

P. O. BOX 1148
SANTA FE, NEW MEXICO 87301

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

702, 467

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1978 DRILLING PROGRAM

ATTENTION: Betty R. Burnett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1978 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. Such plan calls for the drilling of one Mesaverde well during 1978. This approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Enclosed is one approved copy for your files.

Your Three (\$3.00) Dollar filing fee has been received.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

PRL/RDG/s

encl.

cc:

OCC-Santa Fe, New Mexico ✓
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

January 23, 1978

Mr. Carl C. Traywick
Assistant Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

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

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1978 Drilling Program

By letter dated February 24, 1977, Northwest Pipeline Corporation, Unit Operator, filed a drilling program for the captioned unit for the calendar year 1977 providing for the drilling of one (1) Mesaverde well. This well was timely drilled.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Commerciality not determined	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged and Abandoned	1
Mesaverde-Dakota, Dual	
(Dakota Temporarily Abandoned)	1
Dakota, Commercial	<u>1</u>
Total	24

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following well during the calendar year 1978:

U.S. Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
January 23, 1978
page two

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
30	E/2 Section 35-31N-6W	Mesaverde

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or 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 Northwest Pipeline Corporation.

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

Sincerely,



Betty R. Burnett
Supervisor of Contracts and Units

BRB:mk
Enclosures
cc: Working Interest Owners

APPROVED: _____ DATE: _____
Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

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

APPROVED: *Joe A. Jones* DATE: 2/2/78
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
The Commissioner of Public Lands

The foregoing approvals are for the San Juan 31-6 Unit
#14-08-001-464, Rio Arriba County, New Mexico, 1978 Drilling
Program.

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of Commerce
Attention: Oil and Gas Department
Box 2558
Houston, Texas 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
Post Office Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, Colorado 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
720 South Colorado Boulevard
Denver, Colorado 80222

The Wiser Oil Company
Post Office Box 2467
Hobbs, New Mexico 88240

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

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, Texas 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado 80202

Getty Oil Company
Attention: Mr. J. E. Hofmann
Three Park Central, Suite 700
Denver, Colorado 80202

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, Oklahoma 74135
Attention: Partner Operations

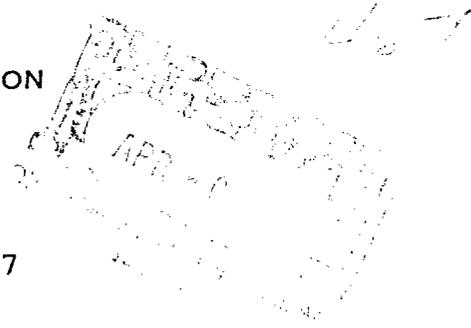
SAN JUAN 31-6 UNIT

Working Interest Owners Continued

PWG Partnership
1218 Simms Building
Albuquerque, New Mexico 87103

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303



April 4, 1977

Mr. Carl C. Traywick
Assistant Oil and Gas Supervisor
United States Geological Survey
P.O. Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
Attention: Mr. Ray D. Graham
P.O. Box 1148
Santa Fe, New Mexico 87501

Oil Conservation Commission
Attention: Mr. Joe Ramey
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1977 Drilling Program

Gentlemen:

This is to advise you that the 1977 Drilling Program for the San Juan 31-6 Unit was approved by the regulatory agencies on the following dates:

Commissioner of Public Lands	March 3, 1977
U.S. Geological Survey	March 25, 1977
Oil Conservation Commission	March 30, 1977

Copies of this letter are being sent to all working interest owners in the San Juan 31-6 Unit.

Sincerely,

Betty R. Burnett
Supervisor of Contracts and Units

BRB:me

cc: Working Interest Owners

467

OIL CONSERVATION COMMISSION

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

March 30, 1977

C
O
P
Y

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: Mr. John W. Shepardson

Re: 1977 Drilling Program,
San Juan 31-6 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 1977 providing for the drilling of the one Mesaverde well for the San Juan 31-6 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.

Two approved copies of the program are returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: Commissioner of Public Lands
Land Office Building
Santa Fe, New Mexico

U. S. Geological Survey
Roswell, New Mexico



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
Western Bank Building
505 Marquette, NW, Room 815
Albuquerque, New Mexico 87102

467

MAR 20 1977

MAR 25 1977

Northwest Pipelines Corporation
Attention: Mr. John W. Sheperdson
One Park Central, Suite 1487
Denver, Colorado 80202

Gentlemen:

One approved copy of your 1976 Report of Past Operations and 1977
Plan of Development for the San Juan 31-6 unit area, San Juan County,
New Mexico, is enclosed. Such plan, proposing to drill one Mesaverde
well on lands not currently in the Mesaverde participating area 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

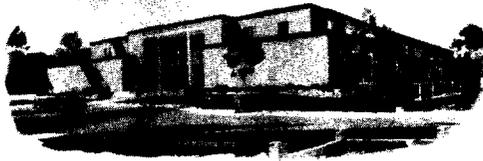
Area Oil and Gas Supervisor

Enclosure

cc:
NMOCC, Santo Fe (ltr. only) *Will This Copy*
Com. Pub. Lands, Santa Fe (ltr. only)

467

State of New Mexico



Commissioner of Public Lands

March 3, 1977

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

PHIL R. LUCERO
COMMISSIONER

Northeast Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1977 Drilling Program

ATTENTION: Mr. John W. Shepardson

Gentlemen:

The Commissioner of Public Lands has this date approved your Drilling Program for the year 1977, for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. Your drilling program calls for the drilling of one Masoverde well. Our approval is subject to like approval by the United States Geological Survey.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY B. GRAHAM, Director
Oil and Gas Division

PHL/EDG/s
encs.
cc:

USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico
OCC-Santa Fe, New Mexico

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

February 24, 1977

Mr. Carl C. Traywick
Assistant Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

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

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1977 Drilling Program

By letter dated June 24, 1976, Northwest Pipeline Corporation, Unit Operator, filed a drilling program for the captioned unit for the calendar year 1976 providing for the drilling of no wells.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged and Abandoned	1
Mesaverde-Dakota, Dual	
(Dakota Temporarily Abandoned)	1
Dakota, Commercial	<u>1</u>
TOTAL	23

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following well during the calendar year 1977:

Assistant Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
February 24, 1977
Page 2

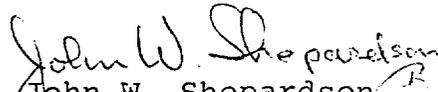
<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
29	NE/4 Section 36, T31N-R6W	Mesaverde

Northwest Pipeline Corporation, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances and any other wells deemed necessary or which are requested by the Unit Operator or 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 Northwest Pipeline Corporation.

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

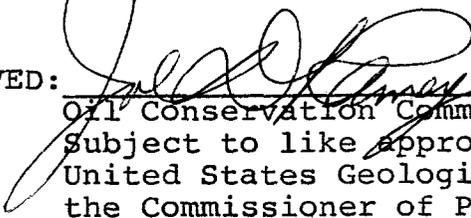
Very truly yours,


John W. Shepardson
Land Manager

JWS:BRB:cak
Enclosures
cc: Working Interest Owners

APPROVED: _____ DATE: _____
Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

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

APPROVED:  _____ DATE: March 30, 1977
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
the Commissioner of Public Lands

The foregoing approvals are for the San Juan 31-6 Unit
#14-08-001-464, Rio Arriba County, New Mexico,
1977 Drilling Program.

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of
Commerce
Attention: Oil and Gas Department
Box 2558
Houston, TX 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
P. O. Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, CO 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
Suite 1200, Lincoln Tower Building
1860 Lincoln Street
Denver, CO 80203

The Wiser Oil Company
P. O. Box 2467
Hobbs, NM 88240

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

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, TX 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, CO 80202

Skelly Oil Company
Attention: Mr. Dave Mullen
1860 Lincoln Street
Denver, CO 80203

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, OK 74135
Attention: Partner Operations

PWG Partnership
1218 Simms Building
Albuquerque, NM 87103

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

January 5, 1977

Mr. Carl C. Traywick
Assistant Oil and Gas Supervisor
United States Geological Survey
Post Office Box 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1976 Plan of Development

Gentlemen:

This is to advise that the 1976 Plan of Development for the San Juan 31-6 Unit was approved by the regulatory agencies on the following dates:

Commission of Public Lands -	June 28, 1976
Oil Conservation Commission -	July 13, 1976
United States Geological Survey -	December 30, 1976

The U. S. Geological Survey has requested a 1977 Plan of Development for the San Juan 31-6 Unit be submitted within sixty days providing for a firm commitment for additional development or tangible documentation of full development of the unitized area.

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

Very truly yours,



Betty R. Burnett
Supervisor of Contracts and Units

BRB:ks
cc: Working Interest Owners

Conservation Division
Western Bank Bldg.
505 Marquette, NW, Room 815
Albuquerque, New Mexico 87102

December 29, 1976

Northwest Pipeline Corporation
Attention: Ms. Betty R. Burnett
One Park Central, Suite 1487
Denver, Colorado 80202

Gentlemen:

Your 1976 Plan of Development and Operation for the San Juan 31-6 unit area, Rio Arriba County, New Mexico, was received in this office on July 2, 1976. Such plan provided no additional development during the year.

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 31-6 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: NMOCC, Santa Fe ← This Copy for
Com. Pub. Lands, Santa Fe



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501



STATE GEOLOGIST
EMERY C. ARNOLD

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO

July 13, 1976

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: Miss Betty R. Burnett

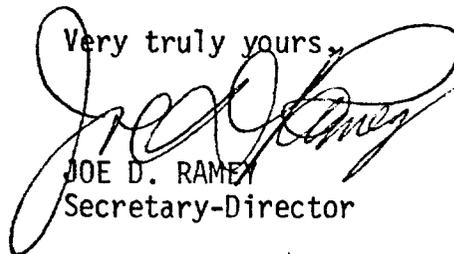
Re: 1976 Drilling Program,
San Juan 31-6 Unit, Rio
Arriba County, New Mexico.

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 31-6 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.

Two approved copies of the program are returned herewith.

Very truly yours,



JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

NORTHWEST PIPELINE CORPORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
(303) 623-9303

June 24, 1976

Mr. Carl C. Traywick
Acting Area Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

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

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1976 Drilling Program

Gentlemen:

By letter dated February 28, 1975, Northwest Pipeline Corporation, Unit Operator, filed a drilling program for the captioned unit providing for the drilling of four Dakota wells. These wells, Nos. 25, 26, 27, and 28, were not drilled during 1975; and Phillips Petroleum Company advised us on March 24, 1976, that they do not wish to carry these wells over into the 1976 Drilling Program.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged and Abandoned	1
Mesaverde-Dakota, Dual (Dakota Temporarily Abandoned)	1
Dakota, Commercial	<u>1</u>
TOTAL	23

Northwest Pipeline Corporation, pursuant to Section 10 of the San Juan 31-6 Unit Agreement, has been in touch with all of the working interest owners and has received the necessary concurrence to propose the drilling of no wells during the calendar year 1976.

Acting Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
June 24, 1976
Page 2

Northwest Pipeline Corporation, 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 any wells requested by the working interest owners.

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

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

Very truly yours,



Betty R. Burnett
Supervisor of Contracts and Units

BRB:cak
Attachment
cc: Working Interest Owners

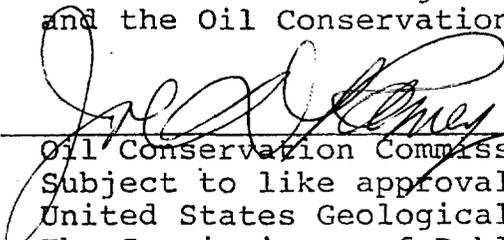
APPROVED: _____ DATE: _____

Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

APPROVED: _____ DATE: _____

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

APPROVED: _____ DATE: July 13, 1976


Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
The Commissioner of Public Lands

The foregoing approvals are for the San Juan 31-6 Unit
#14-08-001-464, Rio Arriba County, New Mexico, 1976
Drilling Program.

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of
Commerce
Attention: Oil and Gas Department
Box 2558
Houston, TX 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
P. O. Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, CO 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
Suite 1200, Lincoln Tower Building
1860 Lincoln Street
Denver, CO 80203

The Wiser Oil Company
P. O. Box 2467
Hobbs, NM 88240

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

General American Oil Company of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, TX 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, CO 80202

Skelly Oil Company
Attention: Mr. Dave Mullen
1860 Lincoln Street
Denver, CO 80203

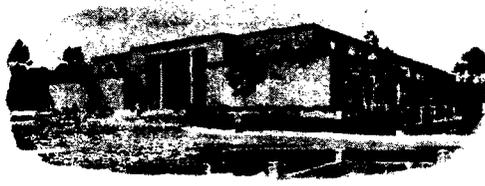
CRA International, Ltd.
5416 South Yale Avenue
Tulsa, OK 74135
Attention: Partner Operations

PWG Partnership
1218 Simms Building
Albuquerque, NM 87103



PHIL R. LUCERO
COMMISSIONER

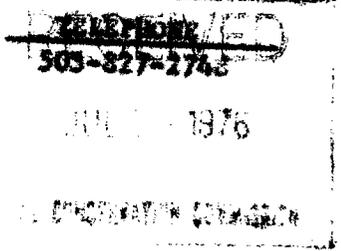
State of New Mexico



Commissioner of Public Lands

June 28, 1976

467



P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Northwest Pipeline Corporation
One Park Central, Suite 1407
Denver, Colorado 80202

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1976 Drilling Program

ATTENTION: Betty R. Burnett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1976 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. Such plans calls for the drilling of no wells during 1976. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

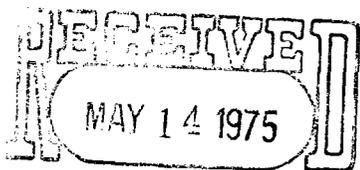
Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

PRL/RDG/s
encl.
cc:

USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico ✓



Northwest Pipeline Corporation



4-1

OIL CONSERVATION COMM.
JOHN M. PARKER
DIRECTOR OF EXPLORATION Santa Fe

ONE PARK CENTRAL, SUITE 437
DENVER, COLORADO 80202
303-627-9200

May 12, 1975

Mr. Carl C. Traywick
Acting Area Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
Attention: Mr. A. L. Porter, Jr.
Post Office Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1975 Drilling Program

This is to advise the 1975 Drilling Program for the San Juan 31-6 Unit was approved by the Regulatory Agencies on the following dates:

Commissioner of Public Lands	March 5, 1975
Oil Conservation Commission	March 24, 1975
United States Geological Survey	May 7, 1975

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

Very truly yours,

Betty R. Burnett
Supervisor of Contracts & Units

BRB:m11

Enclosure



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

May 7, 1975

467

Northwest Pipeline Corporation
Attention: Ms. Betty R. Burnett
Suite 1487, One Park Central
Denver, Colorado 80202

Gentlemen:

Your 1975 plan of development submitted for the San Juan 31-6 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 four Dakota wells on unit lands outside the existing participating area.

One approved copy is enclosed.

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

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

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

467

March 24, 1975

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: Betty R. Burnett

Re: 1975 Drilling Program
San Juan 31-6 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 providing for the drilling of four Dakota wells for the San Juan 31-6 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.

Two approved copies of the program are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/JEK/og

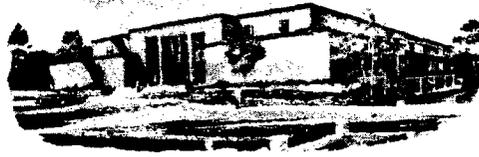
cc: United States Geological Survey
Box 1857
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

C
O
P
Y

State of New Mexico

TELEPHONE
505-227-3743



Commissioner of Public Lands
March 5, 1975

PHIL R. LUCERO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Northwest Pipeline Corporation
One Park Central-Suite 1487
Denver, Colorado 80202

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1975 Drilling Program

ATTENTION: Betty R. Burnett

Gentlemen:

The Commissioner of Public Lands has this date approved your 1975 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. This program proposes the drilling of four Dakota wells. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Enclosed is one approved copy of the plan.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

FRL/RDC/s
encl.
cc:

USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

Northwest Pipeline Corporation



JOHN M. PARKER
DIRECTOR OF EXPLORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
303-823-9303

February 28, 1975

Mr. Carl C. Traywick
Acting Area Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
Attention: Mr. A. L. Porter, Jr.
Post Office Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1975 Drilling Program

By letter dated March 4, 1974, El Paso Natural Gas Company, the then Unit Operator, filed a drilling program covering the captioned unit for the calendar year 1974 providing for no wells.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged and Abandoned	1
Mesaverde-Dakota, Dual	
(Dakota Temporarily Abandoned)	1
Dakota, Commercial	<u>1</u>
TOTAL	23

Acting Area Oil and Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
February 28, 1975
Page 2

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, Northwest Pipeline Corporation, as Unit Operator, has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the following wells during the calendar year 1975.

<u>Well No.</u>	<u>Drilling Block</u>	<u>Formation</u>
25	E/2 of Sec. 33 - 31N - 6W	Dakota
26	N/2 of Sec. 34 - 31N - 6W	Dakota
27	W/2 of Sec. 28 - 31N - 6W	Dakota
28	S/2 of Sec. 34 - 31N - 6W	Dakota

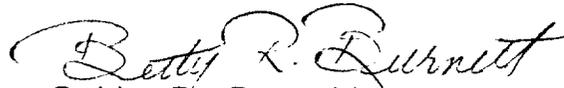
Each of these wells will be drilled on a spacing unit presently not within the existing Dakota Participating Area.

In addition to the above wells, Northwest Pipeline Corporation, 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 any wells requested by the working interest owners.

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

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

Very truly yours,



Betty R. Burnett
Supervisor of Contracts and Units

BRB:cak
Attachment
cc: Working Interest Owners

APPROVED: _____ DATE: _____
Area Oil and Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

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

APPROVED: *A. L. Carter*) DATE: *March 24, 1975*
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
The Commissioner of Public Lands

The foregoing approvals are for the 1975 Drilling Program
for the San Juan 31-6 Unit #14-08-001-464, Rio Arriba
County, New Mexico.

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of
Commerce
Attention: Oil and Gas Department
Box 2558
Houston, TX 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
P. O. Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, CO 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
Suite 1200, Lincoln Tower Building
1860 Lincoln Street
Denver, CO 80203

The Wiser Oil Company
P. O. Box 2467
Hobbs, NM 88240

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

General American Oil Company
of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, TX 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, CO 80202

Skelly Oil Company
Attention: Mr. Dave Mullen
1860 Lincoln Street
Denver, CO 80203

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, OK 74135
Attention: Partner Operations

PWG Partnership
1218 Simms Building
Albuquerque, NM 87103

Northwest Pipeline Corporation



JOHN M. PARKER
DIRECTOR OF EXPLORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
303-623-9303

February 27, 1975

Mr. Carl C. Traywick
Acting Area Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
Attention: Mr. A. L. Porter, Jr.
Post Office Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

Re: San Juan 31-6 Unit
Rio Arriba County
New Mexico
Revised Exhibit "B"
Effective February 1, 1974

Enclosed are copies of the San Juan 31-6 Unit Exhibit "B" which has been revised effective February 1, 1974.

This Exhibit "B" was mailed to the working interest owners of the San Juan 31-6 Unit under date of January 29, 1975, and they were advised that if they should have any changes to notify Northwest Pipeline Corporation within ten (10) days as of this date. All changes requested by said working interest owners have been made, and this Exhibit "B" is now presumed to reflect the correct interest of each working interest owner.

Copies of corrected Exhibit "B" are being sent to the working interest owners as shown on the attached list.

Very truly yours,

A handwritten signature in cursive script, reading "Betty R. Burnett".

Betty R. Burnett
Supervisor of Contracts and Units

BRB:cak
Enclosure
cc: Working Interest Owners

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of
Commerce
Attention: Oil and Gas Department
Box 2558
Houston, TX 77001

Continental Oil Company
Attention: Mr. L. P. Thompson
P. O. Box 460
Hobbs, New Mexico 88240

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, CO 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
Suite 1200, Lincoln Tower Building
1860 Lincoln Street
Denver, CO 80203

The Wiser Oil Company
P. O. Box 2467
Hobbs, NM 88240

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

General American Oil Company
of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, TX 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, CO 80202

Skelly Oil Company
Attention: Mr. Dave Mullen
1860 Lincoln Street
Denver, CO 80203

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, OK 74135
Attention: Partner Operations

PWG Partnership
1218 Simms Building
Albuquerque, NM 87103

Northwest Pipeline Corporation



JOHN M. PARKER
DIRECTOR OF EXPLORATION

ONE PARK CENTRAL, SUITE 1487
DENVER, COLORADO 80202
303-623-9303

January 10, 1975

Mr. Carl C. Traywick
Acting Area Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
Attention: Mr. A. L. Porter, Jr.
Post Office Box 2088
Santa Fe, New Mexico 87501

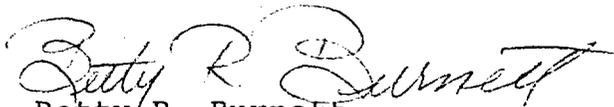
Gentlemen:

Re: San Juan 31-6 Unit
Rio Arriba County
New Mexico
INITIAL EXPANSION OF THE
PARTICIPATING AREA FOR
THE DAKOTA FORMATION
Effective February 15, 1974

This is to advise the captioned expansion for the San Juan 31-6 Unit was approved by the regulatory agencies on the following dates:

United States Geological Survey -- January 7, 1975
Oil Conservation Commission -- December 5, 1974
Commissioner of Public Lands -- December 3, 1974

Very truly yours,


Betty R. Burnett
Supervisor of Contracts and Units

BB:cak
Attachment
cc: Working Interest Owners

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of
Commerce
Attention: Oil and Gas Department
Box 2558
Houston, TX 77001

Continental Oil Company
Attention: Mr. W. C. Blackburn
Pacific Western Life Building
152 North Durbin
Casper, WY 82601

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, CO 80202

Tenneco Oil Company
Attention: Mr. J. A. Dutton
Suite 1200, Lincoln Tower Building
1860 Lincoln Street
Denver, CO 80203

The Wiser Oil Company
P. O. Box 2467
Hobbs, NM 88240

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

General American Oil Company
of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, TX 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, CO 80202

Skelly Oil Company
Attention: Mr. Leland Franz
1860 Lincoln Street
Denver, CO 80203

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, OK 74135
Attention: Partner Operations

PWG Partnership
1218 Simms Building
Albuquerque, NM 87103



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

January 7, 1975

Northwest Pipeline Corporation
Attention: Ms. Betty Burnett
Suite 1487, One Park Central
Denver, Colorado 80202

467

Gentlemen:

The initial Dakota participating area for the San Juan 31-6 unit agreement, Rio Arriba County, New Mexico, was approved on January 7, 1975, by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of February 15, 1974.

The initial Dakota participating area embraces 320.00 acres described as the W $\frac{1}{2}$ sec. 27, T. 31 N., R. 6 W., N.M.P.M., and is based on the information contributed by the completion of unit well No. 24 in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of such sec. 27. Well No. 24 was completed December 19, 1973, for a calculated absolute open flow potential of 1,361 MCF of gas per day from the Dakota interval 7,860 to 8,035 feet. Sale of first production was February 15, 1974.

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

Sincerely yours,

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

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

JAGillham:ds

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE NEW MEXICO 87501

December 5, 1974

467

Northwest Pipeline Corporation
One Park Central, Suite 1487
Denver, Colorado 80202

Attention: Betty Burnett

Re: Initial Participating Area,
Dakota Formation, San Juan
31-6 Unit, Rio Arriba County,
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Initial Participating Area for the Dakota Formation for the San Juan 31-6 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.

Two approved copies of the application are 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
Box 1857
Roswell, New Mexico

C
O
P
Y

State of New Mexico

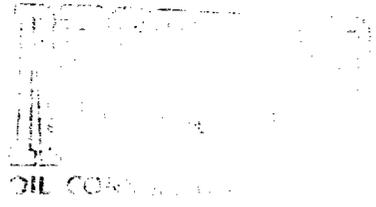
~~TELEPHONE~~
505-827-2748



Commissioner of Public Lands

December 3, 1974

467



P. O. BOX 1148
SANTA FE, NEW MEXICO

ALEX J. ARMIJO
COMMISSIONER

Northwest Pipeline Corporation
One Park Central
Suite 1487
Denver, Colorado 80202

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
INITIAL EXPANSION OF THE
PARTICIPATING AREA FOR THE
DAKOTA FORMATION
Effective February 15, 1974

ATTENTION: Betty Burnett

Gentlemen:

The Commissioner of Public Lands has this date approved the Initial Expansion of the Participating Area for the Dakota Formation for the San Juan 31-6 Unit, Rio Arriba County, New Mexico. This expansion covers the W/2 of Section 27, Township 31 North, Range 6 West.

This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the expansion is enclosed herewith.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Division

AJA/RDS/s
encl.
cc:

USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

Northwest Pipeline Corporation



JOHN M. PARKER
DIRECTOR OF EXPLORATION

ONE PARK CENTRAL
SUITE 1487
DENVER, COLORADO 80202
303-623-9303

November 21, 1974

Mr. Carl C. Traywick
Acting Area Oil and Gas Supervisor
United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

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

Oil Conservation Commission
State of New Mexico
Attention: Mr. A. L. Porter, Jr.
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
APPLICATION FOR APPROVAL OF THE
INITIAL EXPANSION OF THE
PARTICIPATING AREA FOR THE
DAKOTA FORMATION
Effective February 15, 1974

Gentlemen:

Northwest Pipeline Corporation, as Unit Operator of the San Juan 31-6 Unit, pursuant to the provisions of Section 10 of the Unit Agreement, respectfully submits for your approval the following selection of lands to constitute the Initial Expansion of the Participating Area for the Dakota Formation:

INITIAL EXPANSION - Effective February 15, 1974

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 31 North, Range 6 West, N.M.P.M.</u> <u>Section 27: W/2</u>	320

Acting Area Oil & Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
November 21, 1974
Page 2

The proposed Initial Expansion of the Participating Area for the Dakota Formation is predicted upon the knowledge and information first obtained upon the completion in paying quantities of the San Juan 31-6 Unit #24 Well.

The San Juan 31-6 Unit #24 Well, located 1470' from the South line and 1490' from the West line of Section 27, Township 31 North, Range 6 West, N.M.P.M. was spudded on October 31, 1973 by El Paso Natural Gas Company, the Unit Operator at that time, and completed on December 19, 1973 in the Dakota Formation at a total depth of 8098' having been plugged back from a total depth of 8113'. The Dakota Formation was treated with a sand-water fracturing process at intervals of 7860', 7900', 7950', 7956', 7992', 8014', and 8035' on December 7, 1973. The well was shut in on December 12, 1973, and after being shut in for seven (7) days, the well was tested on December 19, 1973. The Dakota Formation gauged 1341 MCF/D on a 3/4" choke and 1361 MCF/D by the calculated absolute open-flow method, with an SIPC of 2795 psia and an SIPI of 2299 psia. The spacing unit for this well is described as the W $\frac{1}{2}$ Section 27, Township 31 North, Range 6 West, and contains 320.00 acres.

In support of this application, the following Exhibits are enclosed:

EXHIBIT "A"

Ownership map reflecting the boundaries of the unit and the proposed Initial Expansion of the Dakota Participating Area.

EXHIBIT "B"

Geological Report prepared by El Paso Natural Gas Company, the Unit Operator at that time, concerning the Initial Expansion of the Dakota Formation in the San Juan 31-6 Unit.

EXHIBIT "C"

Figure No. 1 - San Juan 31-6 Unit Dakota Structure Map contoured on top of the Graneros shale.
Figure No. 2 - San Juan 31-6 Unit Isopachous Map.

Acting Area Oil & Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
November 21, 1974
Page 3

Attached to this application is Schedule I showing the lands entitled to participation in the unitized substances produced from the Dakota Formation.

If the hereinabove selection of lands to constitute the Initial Expansion of the Dakota Participating Area meets with your approval, please indicate such approval in the space provided and return an approved copy for our files.

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

Sincerely,


Betty Burnett
Supervisor of Contracts and Units

BB:lc
Enclosures

Acting Area Oil & Gas Supervisor
Commissioner of Public Lands
Oil Conservation Commission
November 21, 1974
Page 4

APPROVED: _____
Acting Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Commission

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: Dec 5, 1974

This approval is for the Initial Expansion of the Participating Area for the Dakota Formation, effective February 15, 1974, under the San Juan 31-6 Unit #14-08-001-464, Rio Arriba County, New Mexico.

SCHEDULE I
 INITIAL EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
 SAN JUAN 31-6 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078999	T-31-N, R-6-W Sec. 27: W/2	320.00				
			<u>TRACT 2</u>			
	Royalty			12.500000%	12.500000%	
	Working Interest:			84.000000%	84.000000%	
	Phillips Petroleum Co.			3.500000%	3.500000%	
	ORRI					
	TOTAL			<u>100.000000%</u>	<u>100.000000%</u>	<u>100.000000%</u>

Effective February 15, 1974

RECAPITULATION

Description of Lands in Participating Area:
Township 31 North, Range 6 West, N.M.P.M.
Section 27: W/2

Total number of acres in Participating Area: 320.00
Total number of committed acres in Participating Area: 320.00

SAN JUAN 31-6 UNIT

Working Interest Owners

Matagorda Oil Company
c/o Texas National Bank of
Commerce
Attention: Oil and Gas Department
Box 2558
Houston, TX 77001

Continental Oil Company
Attention: Mr. W. C. Blackburn
Pacific Western Life Building
152 North Durbin
Casper, WY 82601

Phillips Petroleum Company
Attention: Mr. N. N. Beckner
1000 Security Life Building
Denver, CO 80202

Tenneco Oil Company
Attention: Mr. A. D. Rial
Suite 1200, Lincoln Tower Building
1860 Lincoln Street
Denver, CO 80203

The Wiser Oil Company
P. O. Box 2467
Hobbs, NM 88240

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

General American Oil Company
of Texas
Attention: Mr. L. E. Dooley
Meadows Building
Dallas, TX 75206

Amoco Production Company
Attention: Mr. T. M. Curtis
Security Life Building
Denver, CO 80202

Skelly Oil Company
Attention: Mr. Leland Franz
1860 Lincoln Street
Denver, CO 80203

CRA International, Ltd.
5416 South Yale Avenue
Tulsa, OK 74135
Attention: Partner Operations

PWG Partnership
1218 Simms Building
Albuquerque, NM 87103



United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

4-1

May 21, 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 1974 plan of development for the San Juan 31-6 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing the drilling of no additional wells and the formalizing of your determination of whether unit well No. 24 is capable of producing unitized substances from the Dakota, was approved on this date subject to like approval by the appropriate official of the State of New Mexico.

Sincerely yours,

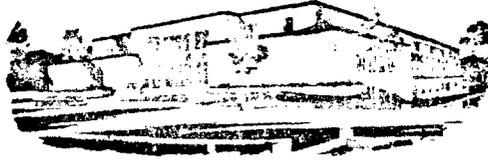
N. O. Frederick
Area Oil and Gas Supervisor

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

JAG:td

State of New Mexico

TELEPHONE
505-827-2748



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

March 27, 1974

P. O. BOX 1148
SANTA FE, NEW MEXICO

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: RESIGNATION AND DESIGNATION
OF UNIT OPERATOR
Cox Canyon Unit
San Juan 29-5 Unit
San Juan 29-6 Unit
San Juan 30-5 Unit
San Juan 31-6 Unit ✓
San Juan 32-7 Unit
San Juan 32-8 Unit

ATTENTION: Mr. James R. Permenter

Gentlemen:

The Commissioner of Public Lands has this date approved the resignation of El Paso Natural Gas Company as Unit Operator and the designation of Northwest Pipeline Corporation to succeed El Paso as Unit Operator of the captioned Units.

Your letter states that you are submitting the Resignation and Designation for the San Juan 32-5 Unit. However, it was not enclosed with the rest of the instruments. Please submit the proper instruments for this particular unit.

Two approved copies of the instrument are returned herewith.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

AJA/RDG/s
encls.
cc:

USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico ✓

Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City, Utah 87111

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 25, 1974

467

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

Attention: Mr. T. W. Bittick

Re: Change of Unit Operator
San Juan 31-6 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the resignation of El Paso Natural Gas Company as Unit Operator and the designation of Northwest Pipeline Corporation to succeed El Paso as Unit Operator of the San Juan 31-6 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.

Two approved copies of the instrument are 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

Northwest Pipeline Corporation J (With Attachments)
P. O. Box 1526
Salt Lake City, Utah 84111

C
O
P
Y

Jim

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 18, 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 31-6 Unit
Rio Arriba, 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 no wells during the calendar year 1974 for the San Juan 31-6 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

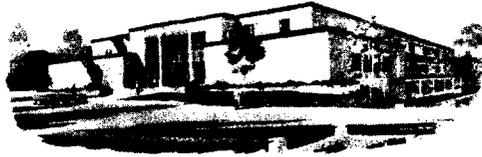
cc: Commissioner of Public Lands
Santa Fe, New Mexico

U. S. Geological Survey
Roswell, New Mexico

C
O
P
Y

State of New Mexico

TELEPHONE
505-827-2748



467

Commissioner of Public Lands

March 15, 1974

ALEX J. ARMIJO
COMMISSIONER

P. O. Box 1148
SANTA FE, NEW MEXICO

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1974 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1974 Drilling Program for the San Juan 31-6 Unit, which proposes the drilling of no additional wells, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

AJA/RDG/s

encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

March 4, 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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1974 DRILLING PROGRAM

Gentlemen:

By letter dated January 12, 1973, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the referenced Unit for the calendar year 1973. Said Program provided for the drilling of no wells during the 1973 calendar year. By letter dated August 17, 1973, El Paso Natural Gas Company filed a Revised 1973 Drilling Program providing for the drilling of one (1) Dakota well. Production is being observed on the #24 well to determine whether or not it is capable of producing untaxed substances in paying quantities. A determination in this regard will be made subsequent to the submittal date of this letter.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged & Abandoned	1
Mesaverde-Dakota, Dual (Dakota Temporarily Abandoned)	1
Dakota (#24 well)	1
	<u>23</u>

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

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1974 providing for the drilling of no wells during the year.

All the working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current 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 subsequently deemed necessary or which are requested 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,



D. N. Canfield
Manager
Land Department
Energy Resource Development

DNC:AA:lj
Enclosures
SJ 31-6 Unit 3.0

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

DATE: _____

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

DATE: _____

APPROVED: *A. G. Carter, Jr.*
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

DATE: *March 18, 1974*

The foregoing approvals are for the 1974 Drilling Program for the
San Juan 31-6 Unit #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Amoco Production Company (3)
Continental Oil Company
CRA International, Ltd.
General American Oil Company of Texas
Matagorda Oil Company
PWG Partnership
Phillips Petroleum Company
Northwest Pipeline Corporation
Skelly Oil Company
Tenneco Oil Company
The Wiser Oil Company

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Jim

467

January 4, 1973

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

Attention: Mr. James R. Permenter

**Re: 1973 Supplemental
Drilling Program, San
Juan 31-6 Unit, Rio
Arriba County, New Mexico.**

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Supplemental Drilling Program for the calendar year 1973 providing for the drilling of one Dakota well for the San Juan 31-6 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/oq

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

**Commissioner of Public Lands
Santa Fe, New Mexico**

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas 79978

December 7, 1973

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

Northwest Pipeline Corporation
Post Office Box 1526
Salt Lake City, Utah 84111

TO ALL WORKING INTEREST OWNERS

Re: San Juan 31-6 Unit

Gentlemen:

On June 16, 1972, the United States District Court for the District of Colorado, in Civil Action C-2626, ordered that certain assets and properties of El Paso Natural Gas Company ("El Paso") be divested to Northwest Pipeline Corporation ("Northwest"). This order was affirmed by the United States Supreme Court on March 5, 1973. On September 21, 1973, the Federal Power Commission issued an order authorizing Northwest to acquire and operate the assets and properties to be divested and recognizing Northwest as successor to El Paso's interests in these assets. On October 19, 1973, the District Court entered its final order directing that the divestiture be completed forthwith. The properties and assets consist primarily of El Paso's Northwest Division gas system, much of which was formerly owned by Pacific Northwest Pipeline Corporation.

Among the properties to be divested are those lands in the captioned Unit which El Paso acquired from Pacific Northwest Pipeline Corporation. In conjunction with this divestment El Paso wishes to resign as Unit Operator and Northwest wishes to succeed El Paso as Unit Operator. Upon obtaining working interest owner consent Northwest will request to be approved by the Director and the Commissioner as Successor Unit Operator.

While neither El Paso nor Northwest is certain as to specifically when Northwest will be able to replace El Paso as Unit Operator, we are both hopeful that this can be accomplished within from 60 to 90 days. For

To All Working Interest Owners
San Juan 31-6 Unit
Page Two

December 7, 1973

this reason El Paso respectfully requests that you waive the six (6) months waiting period called for in Paragraph 4 of the Unit Agreement and further consent to the Successor Unit Operator replacing El Paso as Unit Operator immediately upon qualification and approval.

Northwest respectfully requests your consent to succeed El Paso as Unit Operator. Please evidence your agreement to these requests by signing and returning a copy of this letter to each of the undersigned.

EL PASO NATURAL GAS COMPANY

NORTHWEST PIPELINE CORPORATION

BY: T. W. Burtch
Attorney-in-Fact

BY: John J. McMillan

AGREED TO this 12 day of
Feb, 1973.4

Amoco Prod. Co.
BY: A. D. Hunter

To All Working Interest Owners
San Juan 31-6 Unit
Page Two

December 7, 1973

this reason El Paso respectfully requests that you waive the six (6) months waiting period called for in Paragraph 4 of the Unit Agreement and further consent to the Successor Unit Operator replacing El Paso as Unit Operator immediately upon qualification and approval.

Northwest respectfully requests your consent to succeed El Paso as Unit Operator. Please evidence your agreement to these requests by signing and returning a copy of this letter to each of the undersigned.

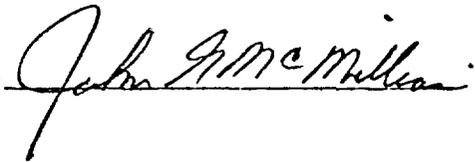
EL PASO NATURAL GAS COMPANY

BY:


Attorney-in-Fact

NORTHWEST PIPELINE CORPORATION

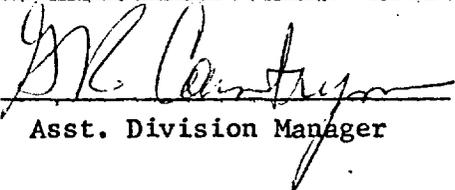
BY:



AGREED TO this 17 day of
December, 1973.

Continental Oil Company

BY:


Asst. Division Manager

To All Working Interest Owners
San Juan 31-6 Unit
Page Two

December 7, 1973

this reason El Paso respectfully requests that you waive the six (6) months waiting period called for in Paragraph 4 of the Unit Agreement and further consent to the Successor Unit Operator replacing El Paso as Unit Operator immediately upon qualification and approval.

Northwest respectfully requests your consent to succeed El Paso as Unit Operator. Please evidence your agreement to these requests by signing and returning a copy of this letter to each of the undersigned.

EL PASO NATURAL GAS COMPANY

NORTHWEST PIPELINE CORPORATION

BY:

T. W. [Signature]
Attorney-in-Fact

BY:

John G. McMillan

AGREED TO this 17 day of
December, 1973.

Tenneco Oil Company

BY:

H. H. Myer

To All Working Interest Owners
San Juan 31-6 Unit
Page Two

December 7, 1973

this reason El Paso respectfully requests that you waive the six (6) months waiting period called for in Paragraph 4 of the Unit Agreement and further consent to the Successor Unit Operator replacing El Paso as Unit Operator immediately upon qualification and approval.

Northwest respectfully requests your consent to succeed El Paso as Unit Operator. Please evidence your agreement to these requests by signing and returning a copy of this letter to each of the undersigned.

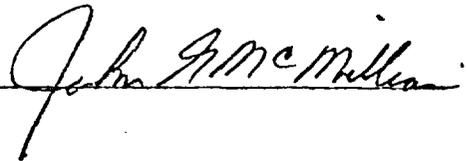
EL PASO NATURAL GAS COMPANY

BY:


Attorney-in-Fact

NORTHWEST PIPELINE CORPORATION

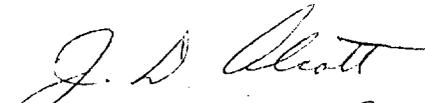
BY:



AGREED TO this _____ day of _____, 1973.

BY: _____

NOT EXECUTED 12-14-73


MANAGER of PARTNER OPERATIONS

To All Working Interest Owners
San Juan 31-6 Unit
Page Two

December 7, 1973

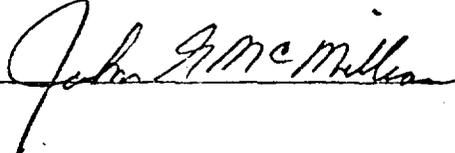
this reason El Paso respectfully requests that you waive the six (6) months waiting period called for in Paragraph 4 of the Unit Agreement and further consent to the Successor Unit Operator replacing El Paso as Unit Operator immediately upon qualification and approval.

Northwest respectfully requests your consent to succeed El Paso as Unit Operator. Please evidence your agreement to these requests by signing and returning a copy of this letter to each of the undersigned.

EL PASO NATURAL GAS COMPANY

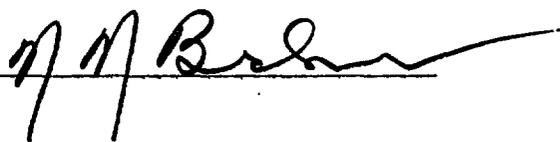
NORTHWEST PIPELINE CORPORATION

BY: 
Attorney-in-Fact

BY: 

AGREED TO this 12th day of
December, 1973.

PHILLIPS PETROLEUM COMPANY

BY: 

To All Working Interest Owners
San Juan 31-6 Unit
Page Two

December 7, 1973

this reason El Paso respectfully requests that you waive the six (6) months waiting period called for in Paragraph 4 of the Unit Agreement and further consent to the Successor Unit Operator replacing El Paso as Unit Operator immediately upon qualification and approval.

Northwest respectfully requests your consent to succeed El Paso as Unit Operator. Please evidence your agreement to these requests by signing and returning a copy of this letter to each of the undersigned.

EL PASO NATURAL GAS COMPANY

BY:

T. W. Britton
Attorney-in-Fact

NORTHWEST PIPELINE CORPORATION

BY:

John G. McMillan

AGREED TO this 11th day of
December, 1973.

MATAGORDA OIL COMPANY

BY:

George Allman
Vice President

To All Working Interest Owners
San Juan 31-6 Unit
Page Two

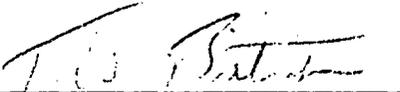
December 7, 1973

this reason El Paso respectfully requests that you waive the six (6) months waiting period called for in Paragraph 4 of the Unit Agreement and further consent to the Successor Unit Operator replacing El Paso as Unit Operator immediately upon qualification and approval.

Northwest respectfully requests your consent to succeed El Paso as Unit Operator. Please evidence your agreement to these requests by signing and returning a copy of this letter to each of the undersigned.

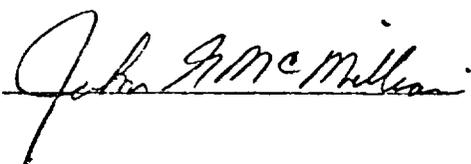
EL PASO NATURAL GAS COMPANY

BY:


Attorney-in-Fact

NORTHWEST PIPELINE CORPORATION

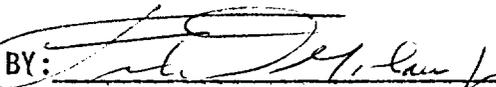
BY:



AGREED TO this 10th day of
December, 1973.

PWG PARTNERSHIP

BY:


Frank D. Gorham, Jr.
Managing Partner

RESIGNATION OF UNIT OPERATOR AND
DESIGNATION OF SUCCESSOR UNIT OPERATOR

WHEREAS, on November 28, 1952, that certain Unit Agreement for the Development and Operation of the San Juan 31-6 Unit Area located in Rio Arriba County, New Mexico, was entered into by parties owning interests in the acreage embraced in said Unit Area, and, thereafter, said Unit Agreement was duly approved by the Commissioner of Public Lands of the State of New Mexico on January 19, 1953, by the Oil Conservation Commission of the State of New Mexico on January 16, 1953 and by the United States Geological Survey on February 11, 1953; and

WHEREAS, on December 31, 1959, Pacific Northwest Pipeline Corporation was merged with and into El Paso Natural Gas Company, and El Paso Natural Gas Company, as the surviving corporation accepted and assumed the duties of Successor Unit Operator in accordance with the provisions of the Unit Agreement; and

WHEREAS, on June 16, 1972, the United States District Court for the District of Colorado, in Civil Action C-2626, ordered that certain assets and properties of El Paso Natural Gas Company which had been acquired by El Paso Natural Gas Company from Pacific Northwest Pipeline Corporation be divested to Northwest Pipeline Corporation, and included in said properties were certain lands and interests in the San Juan 31-6 Unit. The District Court Order was affirmed by the United States Supreme Court on March 5, 1973. On September 21, 1973, the Federal Power Commission issued an order authorizing Northwest Pipeline Corporation to acquire and operate the assets and properties to be divested and recognizing Northwest Pipeline Corporation as successor in interest to El Paso Natural Gas Company as to such assets and properties. On October 19, 1973, the District Court entered its final order directing that the divestiture be completed forthwith; and

WHEREAS, by instruments dated January 31, 1974, El Paso Natural Gas Company did transfer and convey unto Northwest Pipeline Corporation certain assets and properties including lands and interests within the San Juan 31-6 Unit; and

WHEREAS, in accordance with the terms and provisions of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company has procured the

necessary consent from interest owners in the San Juan 31-6 Unit to resign as Unit Operator and Northwest Pipeline Corporation has procured the necessary consent from said owners to replace El Paso Natural Gas Company as Operator of the San Juan 31-6 Unit, and evidence of such consent is attached hereto.

NOW THEREFORE, this instrument evidences the following:

1. Effective January 31, 1974, at 11:59 P.M. Mountain Daylight Saving Time, El Paso Natural Gas Company does hereby resign as Operator under the Unit Agreement for the Development and Operation of the San Juan 31-6 Unit Area, Rio Arriba County, New Mexico, and agrees to settle and discharge all liabilities, obligations and responsibilities, if any, incurred by it as Unit Operator prior to the date and time of resignation.

2. Effective January 31, 1974, at 11:59 P.M. Mountain Daylight Saving Time, Northwest Pipeline Corporation does hereby accept and assume the duties and responsibilities of Unit Operator of the San Juan 31-6 Unit and agrees to serve in such capacity until its designation as Unit Operator shall be terminated in accordance with said Unit Agreement.

IN WITNESS WHEREOF, the parties hereto have executed this instrument effective as of 11:59 P.M. Mountain Daylight Saving Time, January 31, 1974.

UNIT OPERATOR AND WORKING INTEREST OWNER
EL PASO NATURAL GAS COMPANY

BY: *T. W. Sittler* *rs*
Attorney-in-Fact

SUCCESSOR UNIT OPERATOR AND WORKING INTEREST OWNER

NORTHWEST PIPELINE CORPORATION

ATTEST:

BY: *David K. Wetters*
Secretary

BY: *R. F. Bailey*
Vice President

Approved *March 25* 19*74*
A. H. Peters
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

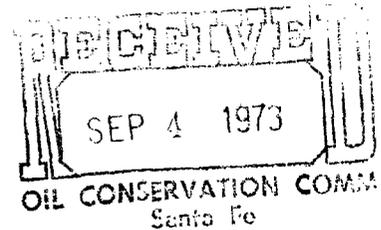


United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

August 31, 1973

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



Gentlemen:

Three approved copies of your 1973 supplemental plan of development for the San Juan 31-6 unit area, Rio Arriba County, New Mexico, proposing the drilling of a Dakota well in the W $\frac{1}{2}$ sec. 27, T. 31 N., R. 6 W., 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.) CARL C. TRAYWICK

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

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

JAGillham:lh

State of New Mexico

8-22-73



Commissioner of Public Lands

August 22, 1973

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX #148
SANTA FE, NEW MEXICO

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1973 SUPPLEMENTAL DRILLING PROGRAM

Attention Mr. James R. Fermenter

Gentlemen:

The Commissioner of Public Lands has this date approved your 1973 Supplemental Drilling Program, which proposes the drilling of one Dakota well. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

RAY D. GRAHAM, Director
Oil & Gas Department

AJA/RDG/rz

Enclosure

cc: USGS-Roswell, New Mexico
OCC-Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

August 17, 1973

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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1973 SUPPLEMENTAL DRILLING PROGRAM

Gentlemen:

By letter dated January 12, 1973, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the referenced Unit for the calendar year 1973. Said Program provided for the drilling of no wells during the 1973 calendar year.

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits a Supplemental Drilling Program providing for the drilling of one (1) Dakota well during the 1973 calendar year. This well, which is located in Rio Arriba County, New Mexico, is as follows:

Well Dedication

W/2 Sec. 27
T-31-N, R-6-W

Formation

Dakota

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

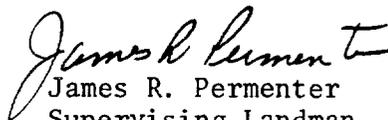
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
Page Two

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells subsequently deemed necessary or which are requested 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,



James R. Permenter
Supervising Landman, Land Department
Energy Resource Development

JRP:AEA:sn
Enclosures
San Juan 31-6 Unit 3.0

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

APPROVED: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey and
the Oil Conservation Commission.

APPROVED: A. L. Porter, Jr. DATE: Jan 4, 1972
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
the Commissioner of Public Lands.

The foregoing approvals are for the 1973 Supplemental Drilling Program for
the San Juan 31-6 Unit #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Amoco Production Company (3)
Continental Oil Company
CRA International, Ltd.
General American Oil Company of Texas
Matagorda Oil Company
Phillips Petroleum Company
Rincon Oil & Gas Corporation
Skelly Oil Company
Tenneco Oil Company
The Wiser Oil Company

El Paso Natural Gas Company

El Paso, Texas 79978

February 15, 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

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

Re: 1973 DRILLING PROGRAM, Rio Arriba
and San Juan Counties, New Mexico

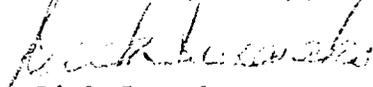
Gentlemen:

The 1973 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>
Cox Canyon I Sec. No. 946	1-24-73	1-22-73	1-23-73
Lindrith I Sec. No. 713	1-24-73	1-22-73	1-23-73
Huerfanito I Sec. No. 943	2-1-73	1-22-73	1-23-73
San Juan 31-6 #14-08-001-464	1-30-73	1-22-73	1-23-73

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

Yours very truly,



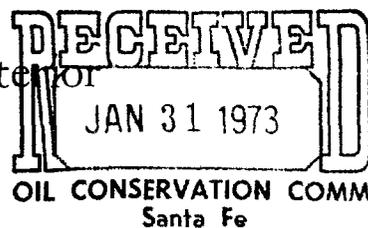
Dick Isaacks
Senior Landman
Land Department
Energy Resource Development

DI:lj



United States Department of the Interior

GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201



January 30, 1973

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

4601

Gentlemen:

On this date, your 1973 plan of development and operation for the San Juan 31-6 unit area, Rio Arriba County, New Mexico, in which you propose to drill no additional wells, 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,

(cc)

CARL C. TRAYWICK
Acting Area Oil and Gas Supervisor

cc:

Regional Mgr., Denver (ltr. only)

Washington (w/cy plan)

Durango (w/cy plan)

✓ 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

January 23, 1973

~~493~~
467

El Paso Natural Gas Company
Box 1492
El Paso, Texas

Attention: Mr. D. N. Canfield

Re: 1973 Drilling Program
San Juan 31-6 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 no wells during the calendar year 1973 for the San Juan 31-6 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

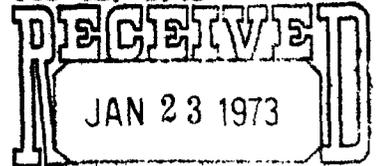
cc: Commissioner of Public Lands - Santa Fe
United States Geological Survey - Roswell

State of New Mexico

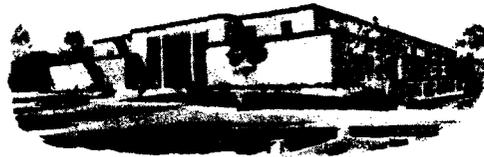
467

TELEPHONE

305-827-2748



OIL CONSERVATION COMM
Santa Fe



Commissioner of Public Lands

January 22, 1973

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1973 DRILLING PROGRAM

ATTENTION: Mr. D. W. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1973 Drilling Program, which proposes the drilling of no additional wells, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

AJA/RDG/s

encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

January 12, 1973

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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1973 DRILLING PROGRAM

Gentlemen:

By letter dated January 17, 1972, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the referenced Unit for the calendar year 1972. Said Program provided for the drilling of no wells during the 1972 calendar year, and none were drilled in subject Unit during the year.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged & Abandoned	1
Mesaverde-Dakota, Dual	1
(Dakota Temporarily Abandoned)	

22

United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
Page Two

January 12, 1973

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1973 providing for the drilling of no wells during the year.

All the working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current 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 subsequently deemed necessary or which are requested 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,



D. N. Canfield
Manager
Land Department
Energy Resource Development

DNC:CTR:nja
Enclosures
San Juan 31-6 Unit 3.0

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

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

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

The foregoing approvals are for the 1973 Drilling Program for the
San Juan 31-6 Unit #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Amoco Production Company (3)

Continental Oil Company

CRA International, Ltd.

General American Oil Company of Texas

Matagorda Oil Company

Phillips Petroleum Company

Rincon Oil & Gas Corporation

Skelly Oil Company

Tenneco Oil Company

The Wiser Oil Company



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

IN REPLY REFER TO:
RECEIVED
MAR 7 1972
CONSERVATION COMM.
SANTA FE

March 2, 1972

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

Attention: Mr. T. W. Bittick

Gentlemen:

Your 1972 plan of development for the San Juan 31-6 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,

N. O. FREDERICK
Regional Oil and Gas Supervisor

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

~~493~~
467

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 11, 1972

467

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

Attention: Mr. T. W. Bittick

**Re: 1972 Drilling Program
San Juan 31-6 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 1972 for the San Juan 31-6 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

ALP/JEK/og

**cc: United States Geological Survey - Roswell
Commissioner of Public Lands - Santa Fe**

C
O
P
Y

January 21, 1972

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1972 DRILLING PROGRAM

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1972 Drilling Program, which proposes the drilling of no additional wells, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

RAY D. GRAHAM, Director
Oil and Gas Department

AJA/RDS/s
encls.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas 79978

January 17, 1972

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 31-6 Unit #14-08-001-464
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 in subject Unit during 1971.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged and Abandoned	1
Mesaverde-Dakota, Dual (Dakota, Temporarily Abandoned)	<u>1</u>
	22

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

January 17, 1972

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1972 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.

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances, and any other wells subsequently deemed necessary or which are requested 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.

Yours very truly,



T. W. Bittick
Director
Lands and Administration
Energy Resource Development

TWB:CTR:nja
Enclosures
S.J. 31-6 Unit 3.0

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

DATE: _____

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

DATE: _____

APPROVED: *A. H. Parker, Jr.*
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey and
the Commissioner of Public Lands

DATE: *Feb 11, 1972*

The foregoing approvals are for the 1972 Drilling Program for the San Juan 31-6
Unit #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Amoco Production Company (3)

Continental Oil Company

CRA International, Ltd.

General American Oil Company of Texas

Matagorda Oil Company

Phillips Petroleum Company

Rincon Oil & Gas Corporation

Skelly Oil Company

Tenneco Oil Company

The Wiser Oil Company

El Paso Natural Gas Company

El Paso, Texas 79999

April 16, 1971

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

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

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

Re: 1971 DRILLING PROGRAMS
Rio Arriba County,
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>
Lindrith, I Sec. No. 713	4-5-71	2-3-71	2-2-71
Rincon, I Sec. No. 916	4-5-71	1-20-71	1-15-71
San Juan 30-4, No. 14-08-001-1056	4-5-71	None Required	1-13-71
San Juan 31-6, ✓ No. 14-08-001-464	4-5-71	1-12-71	1-14-71

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

Yours very truly,

Charles T. Richardson
Charles T. Richardson
Senior Landman
Land Department

CTR:1j
Lindrith, Rincon, S.J. 30-4,
S.J. 31-6 Units - 3.0



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

IN REPLY REFER TO:

APR 7 PM 1 06

April 5, 1971

467

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 31-6 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,

(ORIC
N. O. FREDERICK
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)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

467

January 14, 1971

C
O
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 31-6 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 31-6 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
Drawer 1857
Roswell, New Mexico 88201

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

01 3 11 4 11 6 10
971 JAN 15 11 6 10

467

January 12, 1971

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1971 DRILLING PROGRAM

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1971 Drilling Program, which proposes the drilling of no additional wells, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Please remit a Three (\$3.00) Dollar filing fee.

Sincerely yours,

GORDON G. MARCUM, II, Director
Oil and Gas Department

AJA/GGM/s
encl.

cc: USGS-Roswell, New Mexico
OCC-Santa Fe, New Mexico ✓

El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 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: San Juan 31-6 Unit #14-08-001-464
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 on the captioned Unit for the calendar year 1970. Said program provided for the drilling of no wells and none were drilled in subject Unit during 1970.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged and Abandoned	1
Mesaverde-Dakota, Dual	
(Dakota, Temporarily Abandoned)	<u>1</u>
	22

Pursuant to Section 10 of the San Juan 31-6 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.

United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
Page Two

January 6, 1971

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, will drill any offset wells that may be required to prevent drainage of unitized substances, and any other wells subsequently deemed necessary or which are requested 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.

Yours very truly,



T. W. Bittick
Manager
Land Department

TWB:CTR:nja
Enclosures
SJ 31-6 Unit 3.0

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

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: January 14, 1971

The foregoing approvals are for the 1971 Drilling Program for the San Juan 31-6
Unit #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Continental Oil Company

CRA International, Ltd.

General American Oil Company of Texas

Oil & Gas Property Management, Inc.

Pan American Petroleum Corp. (3)

Phillips Petroleum Company

Rincon Oil & Gas Corporation

Skelly Oil Company

Southern Petroleum Exploration, Inc.

Tenneco Oil Company

Texas National Bank of Commerce
(Matagorda Oil Company)

El Paso Natural Gas Company

El Paso, Texas 79999

February 4, 1970

70 FEB 5 PM 1 04

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

467

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

MAIN OFFICE 000
FEB 2 AM 8 22

Drawer 1847
Roswell, New Mexico 88201

January 30, 1970

467

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 31-6 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. COPIES) 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 22, 1970

467

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1970 Drilling Program
San Juan 31-6 Unit,
Rio Arriba County, New
Mexico

C
O
P
Y

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 31-6 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

JAN 19 1970

January 15, 1970

**El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999**

**Re: San Juan 31-6 Unit
Rio Arriba County,
New Mexico
1970 DRILLING PROGRAM**

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1970 Drilling Program, which proposes the drilling of no additional wells, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Very truly yours,

**Ted Bilberry, Director
Oil and Gas Department**

**TB/ML/s
encl.**

**CC: USGS-Roswell, New Mexico
OCC-Santa Fe, New Mexico**

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 1970

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1970 DRILLING PROGRAM

Gentlemen:

By letter dated January 6, 1969, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned Unit for the calendar year 1969. Said program provided for the drilling of no wells and none were drilled in subject Unit during 1969.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	18
Mesaverde, Non-Commercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde, Plugged and Abandoned	1
Mesaverde-Dakota, Dual (Dakota, Temporarily Abandoned)	<u>1</u>
	22

Pursuant to Section 10 of the San Juan 31-6 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.

Mr. John A. Anderson
Commissioner of Public Lands
Oil Conservation Commission
Page Two

January 6, 1970

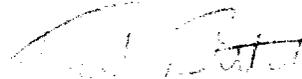
All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances, and any other wells subsequently deemed necessary or which are requested 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.

Yours very truly,

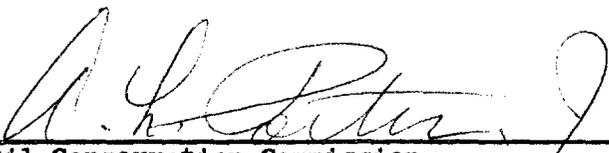


T. W. Bittick
Manager
Land Department

TWB:CTR:nja
Attachments
San Juan 31-6, 3.0

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: January 22, 1970
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

The foregoing approvals are for the 1970 Drilling Program for the
San Juan 31-6 Unit, #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Continental Oil Company

CRA International, Ltd.

General American Oil Company of Texas

Oil & Gas Property Management, Inc.

Pan American Petroleum Corp. (3)

Phillips Petroleum Company

Rincon Oil & Gas Corporation

Skelly Oil Company

Southern Petroleum Exploration, Inc.

Tenneco Oil Company

Texas National Bank of Commerce
(Matagorda Oil Company)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

17
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21
FEB
1969

467

February 20, 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 dated January 6, 1969, for the San Juan 31-6 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. FILED WITH J. 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)

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

January 23, 1969

467

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1969 Drilling Program
San Juan 31-6 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 31-6 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
United States Geological Survey - Roswell

C
O
P
Y

MAIN OFFICE
'69 JAN 14 AM 8 18

January 13, 1969

**El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999**

**Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1969 Drilling Program**

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1969 Drilling Program, which proposes the drilling of no additional wells, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed.

Very truly yours,

**ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS**

**BY:
Ted Bilberry, Director
Oil and Gas Department**

**AJA/TB/ML/s
encl. 1.**

**cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico**

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas 79999

January 6, 1969

JAN 8 1969

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1969 DRILLING PROGRAM

Gentlemen:

By letter dated January 5, 1968, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program on the captioned Unit for the calendar year 1968. Said program provided for the drilling of no wells and none were drilled in subject Unit during 1968.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	19
Mesaverde, Noncommercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde-Dakota, Dual	
(Dakota, Temporarily Abandoned)	<u>1</u>
	22

Pursuant to Section 10 of the San Juan 31-6 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.

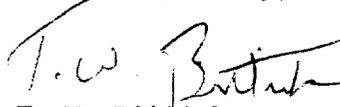
All working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances, and any other wells subsequently deemed necessary or which are requested 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.

Yours very truly,



T. W. Bittick
Manager
Land Department

TWB:CTR:sf
Attachments

San Juan 31-6 Unit, 3.0

APPROVED: _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.

DATE: _____

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

DATE: _____

APPROVED: A. L. Carter
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: January 23, 1969

The foregoing approvals are for the 1969 Drilling Program for the San Juan
31-6 Unit, #14-08-001-464, Rio Arriba County, New Mexico.

San Juan 31-6 Unit
Working Interest Owners

Continental Oil Company
Attention: Mr. W. C. Blackburn
200 North Wolcott
Casper, Wyoming 82601

CRA International, Ltd.
1638 Bank of the Southwest Bldg.
Houston, Texas 77002

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas, Texas 75206

Oil & Property Management, Inc.
6th Floor
C & I Life Building
Houston, Texas 77002

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

Rincon Oil & Gas Corporation
1126 Mercantile Securities Building
Dallas, Texas 75201

Skelly Oil Company
Attention: Mr. Barton W. Ratliff
P. O. Box 1650
Tulsa, Oklahoma 74102

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia 26175

Tenneco Oil Company
Attention: Mr. C. W. Nance
Suite 1200, Lincoln Tower Bldg.
1860 Lincoln Street
Denver, Colorado 80203

Tenneco Oil Company
Attention: Mr. J. P. Wasinger
P. O. Box 2410
Denver, Colorado 80201

Skelly Oil Company
Attention: Mr. Wm. R. Kendall
District Exploration Mgr.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

Texas National Bank of Commerce
Attention: Oil & Gas Department
Box 2558
Houston, Texas 77001

El Paso Natural Gas Company

461

El Paso, Texas 79999

February 26, 1968

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

MAIL ROOM
FEB 27 AM 8 39

Re: 1968 DRILLING PROGRAMS
Rio Arriba County,
New Mexico

Gentlemen:

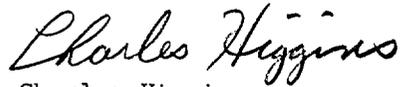
The 1968 Drilling Programs for the following Units were approved by the regulatory bodies on the dates indicated:

1. San Juan 29-7 Unit, #14-08-001-1650:
United States Geological Survey January 22, 1968
Commissioner of Public Lands January 25, 1968
Oil Conservation Commission January 26, 1968
2. San Juan 30-5 Unit, #14-08-001-346:
United States Geological Survey January 18, 1968
Commissioner of Public Lands January 22, 1968
Oil Conservation Commission January 28, 1968
3. San Juan 30-6 Unit #14-08-001-538:
United States Geological Survey January 22, 1968
Commissioner of Public Lands January 25, 1968
Oil Conservation Commission January 25, 1968
4. San Juan 31-6 Unit, #14-08-001-464:
United States Geological Survey January 19, 1968
Commissioner of Public Lands January 22, 1968
Oil Conservation Commission January 25, 1968

Mr. John A. Anderson
Commissioner of Public Lands
Oil Conservation Commission
February 26, 1968
Page 2

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

Yours very truly,



Charles Higgins
Supervising Landman
Land Department

CH:CTR:vb

San Juan 29-7, 30-5,
30-6, 31-6 Unit: 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE. NEW MEXICO 87501

467

January 25, 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 31-6 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 no wells for the San Juan 31-6 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/esr
Enclosure

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

Commissioner of Public Lands
Santa Fe, New Mexico

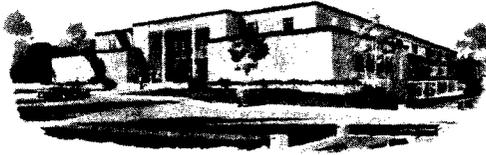
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State of New Mexico



Commissioner of Public Lands



January 22, 1968

GUYTON B. HAYS
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1968 DRILLING PROGRAM

ATTENTION: Mr. T. W. Bittick

Gentlemen:

The Commissioner of Public Lands has this date approved your 1968 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico, proposing the drilling of no additional wells.

This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

One approved copy of the plan is enclosed

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:
Eddie Lopez, Supervisor
Unit Division

GBH/TR/HL/s
encl.

cc: USGS-Roswell, New Mexico
OCC- Santa Fe, New Mexico

1968 JAN 24 AM 8 30



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

January 19, 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 31-6 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 & Gas Supervisor

cc:
Washington (w/cy of plan)
Farmington (w/cy of plan)
NMOCC - Santa Fe (itr. only) ✓
Com. of Pub. Lands - Santa Fe (itr. only)

MAIN OFFICE

'68 JAN 22 AM 8 15

El Paso Natural Gas Company

El Paso, Texas 79999

January 5, 1968

Mr. John A. Anderson
Regional Oil & Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

Commissioner of Public Lands
State of New Mexico
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

MAIL OFFICE

'68 JAN 10 AM 8 41

Re: San Juan 31-6 Unit #14-08-001-464
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 on the captioned Unit for the calendar year 1967. Said program provided for the drilling of no wells and none were drilled in subject Unit during 1967.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	19
Mesaverde, Noncommercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde-Dakota, Dual	
(Dakota, Temporarily Abandoned)	<u>1</u>
	22

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 1968, 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.

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances, and any

other wells subsequently deemed necessary or which are requested 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.

Yours very truly,



T. W. Bittick
Manager
Land Department

TWB:CTR:psr

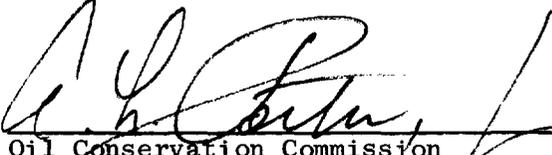
San Juan 31-6 Unit, 3.0

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: 1-25-68

The foregoing approvals are for the 1968 Drilling Program for the San Juan 31-6
Unit, #14-08-001-464, Rio Arriba County, New Mexico.

San Juan 31-6 Unit
Working Interest Owners

Continental Oil Company
Attention: Mr. W. C. Blackburn
P. O. Box 680
Casper, Wyoming 82601

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas, Texas 75206

Oil & Property Management, Inc.
6th Floor
C & I Life Building
Houston, Texas 77002

Pan American Petroleum Corporation (3)
Security Life Building
Denver, Colorado 80202
Attention: Mr. T. M. Curtis

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Rincon Oil & Gas Corporation
1126 Mercantile Securities Building
Dallas, Texas 75201

Skelly Oil Company
Attention: Mr. Barton W. Ratliff
P. O. Box 1650
Tulsa, Oklahoma 74102

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia 26175

Tenneco Oil Company
Attention: Mr. R. E. Siverson
P. O. Box 1714
Durango, Colorado 81302

Tenneco Oil Company
900 Wilco Building
Midland, Texas 79701
Attention: Mr. Weaver W. Ralls, Supervisor
Division Records and Rentals

Skelly Oil Company
Attention: Mr. Wm. R. Kendall
District Exploration Mgr.
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

San Juan 31-6 Unit
Working Interest Owners

Continental Oil Company
Attention: Mr. W. C. Blackburn
P. O. Box 680
Casper, Wyoming 82601

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas, Texas 75206

Oil & Property Management, Inc.
6th Floor
C & I Life Building
Houston, Texas 77002

Pan American Petroleum Corporation (3)
Security Life Building
Denver, Colorado 80202
Attention: Mr. T. M. Curtis

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Rincon Oil & Gas Corporation
1126 Mercantile Securities Building
Dallas, Texas 75201

Skelly Oil Company
Attention: Mr. Barton W. Ratliff
P. O. Box 1650
Tulsa, Oklahoma 74102

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia 26175

Tenneco Oil Company
Attention: Mr. R. E. Siverson
P. O. Box 1714
Durango, Colorado 81302

Tenneco Oil Company
900 Wilco Building
Midland, Texas 79701
Attention: Mr. Weaver W. Ralls, Supervisor
Division Records and Rentals

Skelly Oil Company
Attention: Mr. Wm. R. Kendall
District Exploration Mgr.

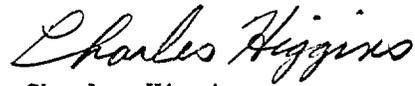
Lincoln Tower Building
1860 Lincoln Street
Denver, Colorado 80203

May 24, 1967

5. San Juan 29-7 Unit, #14-08-001-1650:
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
January 30, 1967
February 3, 1967
April 26, 1967
- ✓ 6. San Juan 31-6 Unit, #14-08-001-464:
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
January 26, 1967
February 3, 1967
April 27, 1967

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

Yours very truly,



Charles Higgins
Assistant Supervising Landman
Land Department

CH:CTR:sb

San Juan 27-5, 28-5, 28-7,
29-6, 29-7, and 31-6 Units - 3.0

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO

467

April 27, 1967

C

El Paso Natural Gas Company
Post Office Box 1492
El Paso, Texas 79999

O

Attention: Mr. T. W. Bittick

Re: 1967 Drilling Program
San Juan 31-6 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 1967 Drilling Program dated January 3, 1967, for the San Juan 31-6 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/ir
Enclosures

cc: Commissioner of Public Lands - Santa Fe, New Mexico
U. S. Geological Survey - Roswell, New Mexico



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

January 26, 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 31-6 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)

1967 JAN 30 10 11 AM

El Paso Natural Gas Company

El Paso, Texas 79999

January 3, 1967

Mr. John A. Anderson
Regional Oil & 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 87501

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

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1967 DRILLING PROGRAM

Gentlemen:

By letter dated February 28, 1966, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for the captioned Unit for the calendar year 1966. Said program provided for the drilling of no wells and none were drilled in subject Unit during 1966.

As of this date, the total number of wells drilled in the San Juan 31-6 Unit on acreage committed to the Unit is as follows:

Mesaverde, Commercial	19
Mesaverde, Noncommercial	1
Mesaverde, Temporarily Abandoned	1
Mesaverde-Dakota, Dual (Dakota, Temporarily Abandoned)	<u>1</u>

22

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year 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 obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, will drill any offset wells that may be required to prevent drainage of unitized substances, and any other wells subsequently deemed necessary or which are requested 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.

Yours very truly,



T. W. Bittick
Manager
Land Department

TWB:CTR:sb

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 27, 1967

The foregoing approvals are for the 1967 Drilling Program for the San Juan 31-6
Unit, #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Continental Oil Company
Attention: Mr. H. D. Haley
P. O. Box 1621
Durango, Colorado 81302

Tenneco Oil Company
Attention: Mr. R. E. Siverson
P. O. Box 1714
Durango, Colorado 81302

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Tenneco Oil Company
Attention: Mr. Weaver W. Ralls,
Supervisor
Division Records and Rentals
4th Floor, 201 Wall Building
Midland, Texas 79701

Oil & Property Management, Inc.
6th Floor
C & I Life Building
Houston, Texas 77002

Pan American Petroleum Corporation (3)
Security Life Building
Denver, Colorado 80202
Attention: Mr. T. M. Curtis

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Rincon Oil & Gas Corporation
1126 Mercantile Securities Building
Dallas 1, Texas

Skelly Oil Company
Attention: Mr. James Maedgen
P. O. Box 4115, Station "A"
Albuquerque, New Mexico

Skelly Oil Company
Attention: Crude Oil & Gas Accounting Section
P. O. Box 1650
Tulsa, Oklahoma

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia 26175

El Paso Natural Gas Company

El Paso, Texas 79999

August 12, 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 87501

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

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1966 DRILLING PROGRAM

Gentlemen:

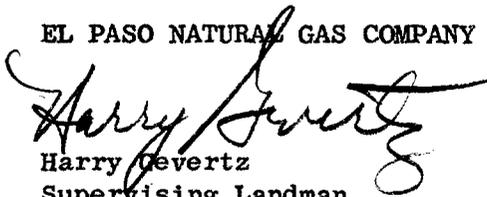
The 1966 Drilling Program for the San Juan 31-6 Unit #14-08-001-464 was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - April 7, 1966
2. Commissioner of Public Lands - March 23, 1966
State of New Mexico
3. Oil Conservation Commission - August 5, 1966
State of New Mexico

Copies of this letter are being sent to the working interest owners of the San Juan 31-6 Unit.

Yours very truly,

EL PASO NATURAL GAS COMPANY


Harry Gevertz
Supervising Landman
Land Department

HG:CTR:sb

San Juan 31-6 Unit 3.0

461
1966 Aug 18 PM 1 30

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

467

August 5, 1966

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas 79999

Attention: Mr. T. W. Bittick

Re: 1966 Drilling Program
San Juan 31-6 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 31-6 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/eg

cc: Commissioner of Public Lands
Santa Fe, New Mexico

United States Geological Survey
Drawer 1857
Roswell, New Mexico 88201

C
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Drawer 1857
Roswell, New Mexico 88201

APR 8 AM 9 48

April 7, 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 28, 1966, for the San Juan 31-6 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. SGN) 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)

RPearcy:jh:4-7-66

El Paso Natural Gas Company

El Paso, Texas 79999

February 28, 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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1966 DRILLING PROGRAM

Gentlemen:

By letter dated December 23, 1964, El Paso Natural Gas Company, as Unit Operator, filed a Drilling Program for this Unit for the calendar year 1965. The program provided for the drilling of no wells and none were drilled in the Unit during 1965.

As of this date, the total number of wells in the San Juan 31-6 Unit is as follows:

Mesaverde	19
Dual, Mesaverde-Dakota (Dakota temporarily abandoned)	1
Mesaverde, Noncommercial	1
Mesaverde, Temporarily abandoned	<u>1</u>
	22

Pursuant to Section 10 of the San Juan 31-6 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 of the working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, 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



T. W. Bittick, Manager
Land Department

TWB: GWO: sb

Attachments

APPROVED:

Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.

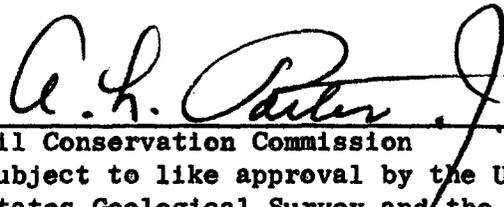
DATE: _____

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: Aug. 5, 1966

The foregoing approvals are for the 1966 Drilling Program for the San Juan 31-6 Unit, #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Continental Oil Company
Attention: Mr. H. D. Haley
P. O. Box 3312
Durango, Colorado

Oil & Gas Property Management, Inc.
6th Floor
C & I Life Building
Houston, Texas 77002

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Pan American Petroleum Corporation
Attention: Mr. T. M. Curtis
Security Life Building
Denver, Colorado

Phillips Petroleum Company
Attention: Mr. R. A. Wolgast
1300 Security Life Building
Denver, Colorado 80202

Skelly Oil Company
Attention: Mr. Harvey B. Hunt, Jr.
P. O. Box 4115, Station "A"
Albuquerque, New Mexico

Rincon Oil & Gas Corp.
1126 Mercantile Securities Bldg.
Dallas, Texas

Skelly Oil Company
Attention: Mr. T. F. Thompson
P. O. Box 1650
Tulsa 2, Oklahoma

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia

Tenneco Oil Company
Attention: Mr. R. E. Siverson
P. O. Box 1714
Durango, Colorado

El Paso Natural Gas Company

El Paso, Texas

April 6, 1965

Mr. John A. Anderson
Regional Oil & 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 31-6 Unit, #14-08-001-464
Rio Arriba County, New Mexico
1965 DRILLING PROGRAM

Gentlemen:

The 1965 Drilling Program for the San Juan 31-6 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 23, 1965
State of New Mexico
3. Oil Conservation Commission, - March 26, 1965
State of New Mexico

Copies of this letter are being sent to all the working interest owners of the San Juan 31-6 Unit.

Very truly yours,



Harry Gevertz
Regional Landman
Land Department

HG:GWO:kf

SJ 31-6, 3.0

461

APR 9 1965



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Drawer 1857
Roswell, New Mexico 88201

APR 2 1965
44
April 1, 1965

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1965 plan of development dated December 23, 1964, for the San Juan 31-6 unit area, Rio Arriba County, New Mexico, proposing the drilling of no additional wells, has been approved on this date subject to like approval by the appropriate State officials.

Two approved copies of the plan are enclosed.

Sincerely yours,

(ORIG. SCD) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

cc:
Washington (w/cy plan)
Farmington (w/cy plan)
NMCC, Santa Fe (ltr. only) ✓
Com. Pub. Lands, Santa Fe (ltr. only)

OIL CONSERVATION COMMISSION

P. O. BOX 2088
SANTA FE, NEW MEXICO

467

March 26, 1965

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

Attention: Mr. Sam Smith

Re: 1965 Drilling Program,
San Juan 31-6 Unit, San
Juan 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 31-6 Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the program is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

cc: United States Geological Survey
Roswell

Commissioner of Public Lands - Santa Fe

C
O
P
Y

March 23, 1965

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

Attention: Mr. Sam Smith

Re: San Juan Unit 31-6
Rio Arriba County, New Mexico
1965 Drilling Program

Gentlemen:

The Commissioner of Public Lands approves as of March 23, 1965, your 1965 Drilling Program subject to like approval by the United States Geological Survey and Oil Conservation Commission.

This drilling program provides for no drilling during the calendar year 1965.

We are returning one approved copy of the plan.

Very truly yours,

GUYTON B. HAYS
COMMISSIONER OF PUBLIC LANDS

BY:

(Mr.) Ted Bilberry, Director
Oil and Gas Department

GHH/nmx/d
Enclosures

cc: United States Geological Survey
P. O. Drawer 1857, Roswell, New Mexico
Attention: Mr. John A. Anderson
Oil Conservation Commission
P. O. Box 2000, Santa Fe, New Mexico

El Paso Natural Gas Company

El Paso, Texas

December 23, 1964

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

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

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

Re: San Juan 31-6 Unit #14-08-001-464
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 and none were drilled in subject Unit during 1964.

As of this date, the total number of wells in the San Juan 31-6 Unit is as follows:

Mesaverde	20
Dual, Mesaverde-Dakota (Dakota temporarily abandoned)	1
Mesaverde, Non-Commercial	<u>1</u>
	22

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1965, providing for the drilling of no wells during the year.

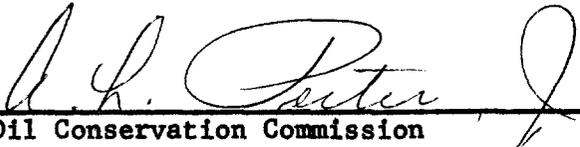
All of the working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit obligations have been satisfied.

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: 3-26-65

The foregoing approvals are for the 1965 Drilling Program for the San Juan 31-6
Unit, #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Continental Oil Co.
Attention: Mr. H. D. Haley
P. O. Box 3312
Durango, Colorado

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Lignum Oil Company
1030 Bank of the Southwest Building
Houston 2, 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
Denver 2, Colorado

Skelly Oil Company
Attention: Mr. Harvey B. Hunt, Jr.
P. O. Box 4115, Station "A"
Albuquerque, New Mexico

Rincon Oil & Gas Corp.
1126 Mercantile Securities Bldg.
Dallas, Texas

Skelly Oil Company
Attention: Mr. T. F. Thompson
P. O. Box 1650
Tulsa 2, Oklahoma

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia

Tenneco Oil Co.
Attention: Mr. R. E. Siverson
P. O. Box 1714
Durango, Colorado

El Paso Natural Gas Company

El Paso, Texas

November 4, 1964

MAILED
NOV 6 1964

Mr. John A. Anderson
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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1964 DRILLING PROGRAM

Gentlemen:

The 1964 Drilling Program for the San Juan 31-6 Unit was approved by the Regulatory Bodies on the following dates:

1. United States Geological Survey - 4-3-64
2. Commissioner of Public Lands,
State of New Mexico - 4-1-64
3. Oil Conservation Commission,
State of New Mexico - 4-8-64

Copies of this letter are being sent to all of the working interest owners of the San Juan 31-6 Unit.

Very truly yours,



Harry Gevertz
Regional Landman
Land Department

HG:GWO:js

SJ 31-6, 3.0

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

467

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 31-6 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 31-6 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:JJK:sg

cc: Commissioner of Public Lands - Santa Fe
United States Geological Survey - Roswell

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IN REPLY REFER TO:

UNITED STATES OFFICE OCC
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY AM 9:01
1964 APR

Drawer 1857
Roswell, New Mexico 88201

April 3, 1964

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1964 plan of development dated February 25, 1964, for the San Juan 31-6 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 Public Lands - Santa Fe (ltr. only)

April 2, 1964

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

1964 APR 22 PM 2 00
MAIL ROOM

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1964 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands approved as of April 1, 1964, the 1964 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one copy of this Plan.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

BY:
(Mrs.) Marian M. Rhea, Supervisor
Unit Division

ESW/mar/v

cc: United States Geological Survey
P. O. Drawer 1857
Roswell, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

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 31-6 Unit #14-08-001-464
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 31-6 Unit is as follows:

Mesaverde	20
Dual, Mesaverde-Dakota (Dakota temporarily abandoned)	1
Mesaverde, Non-Commercial	<u>1</u>
	22

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a Drilling Program for the calendar year of 1964, providing for the drilling of no wells during the year.

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

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

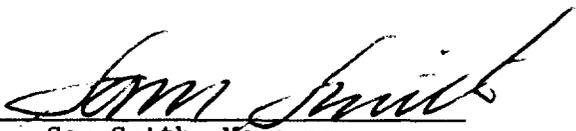
If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By


Sam Smith, Manager
Land Department

SS:GWO:js

APPROVED: _____
Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.

DATE: _____

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

DATE: _____

APPROVED: A. G. Porter, Jr.
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: 11-7-64

The foregoing approvals are for the 1964 Drilling Program for the San Juan
31-6 Unit, #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Delhi-Taylor Oil Corporation
Attention: Mr. R. L. Caldwell
2630 Fidelity Union Tower
Dallas 1, Texas

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Lignum Oil Company
1030 Bank of the Southwest Building
Houston 2, 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

Rincon Oil & Gas Corporation
1126 Mercantile Securities Building
Dallas 1, Texas

Skelly Oil Company
Attention: Mr. Harvey B. Hunt, Jr.
P. O. Box 4115, Station "A"
Albuquerque, New Mexico

Skelly Oil Company
Attention: Mr. T. F. Thompson
P. O. Box 1650
Tulsa 2, Oklahoma

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia

El Paso Natural Gas Company
MAIN OFFICE 000

El Paso, Texas

November 5, 1963 1963 NOV 11 PM 5 05

467

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 31-6 Unit
Revised Exhibit "B"
Effective September 1, 1963

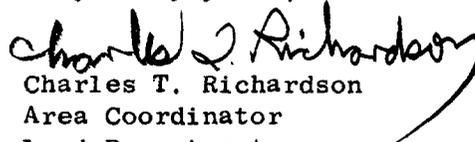
Gentlemen:

Enclosed are copies of the San Juan 31-6 Unit Exhibit "B" which has been revised effective September 1, 1963.

This Exhibit "B" was mailed to the working interest owners of the San Juan 31-6 Unit under date of September 26, 1963, and they were advised that if they should have any corrections or changes, to notify El Paso within ten days. As of this date, no working interest owner has notified El Paso of any corrections or changes, so this Exhibit "B" is presumed to reflect the correct interests of each working interest owner.

Since there were no changes a copy of this letter only is being sent to the working interest owners of the San Juan 31-6 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:js
Enclosure

SJ 31-6, 5.0

El Paso Natural Gas Company

El Paso, Texas

467

April 11, 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 31-6 Unit
Rio Arriba County, New Mexico
1963 DRILLING PROGRAM

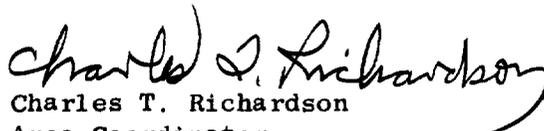
Gentlemen:

The 1963 Drilling Program for the San Juan 31-6 Unit was approved by the regulatory bodies on the following dates:

1. United States Geological Survey - March 25, 1963
2. Commissioner of Public Lands - March 13, 1963
3. Oil Conservation Commission - April 2, 1963

Copies of this letter are being sent to all the working interest owners of the San Juan 31-6 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:js

1538 MAR 27 AM 11 13
Drawer 1857
Roswell, New Mexico

March 25, 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 31-6 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)

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

467

April 2, 1963

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

Attention: Mr. Sam Smith

Re: 1963 Drilling Program,
San Juan 31-6 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 31-6 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
Enclosure

cc: United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
Santa Fe, New Mexico

C
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1893 MAR 27 AM 10 13

Drawer 1857
Roswell, New Mexico

March 25, 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 31-6 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. SSS) 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)

1963 MAR 13 PM 2:23

1963 MAR 13 PM 2:23

March 13, 1963

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

Re: San Juan 31-6 Unit,
Rio Arriba County,
New Mexico. 1963
Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands approved as of March 13, 1963, the 1963 Drilling Program for the San Juan 31-6 Unit, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one approved copy of this plan.

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 31-6 Unit #14-08-001-464
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 on lands that had previously been included in the Mesaverde Participating Area.

As of this date, the total number of wells in the San Juan 31-6 Unit is as follows:

Mesaverde	20
Dual, Mesaverde-Dakota (Dakota temporarily abandoned)	1
Mesaverde (Non-commercial)	1
	<u>22</u>

Pursuant to Section 10 of the San Juan 31-6 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 contacted and this Drilling Program reflects, insofar as possible, their desires for additional drilling and El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current unit obligations have been satisfied.

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

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

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 
Sam Smith, Manager
Land Department

SS:GWO:ag

APPROVED: _____

Supervisor, United States Geological Survey
Subject to like approval by the appropriate
State Officials.

DATE: _____

APPROVED: _____

Commissioner of Public Lands
Subject to like approval by the United
States Geological Survey and the Oil
Conservation Commission.

DATE: _____

APPROVED: _____

AL Porter Jr
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: 4/2/63

The foregoing approvals are for the 1963 Drilling Program for the San Juan
31-6 Unit #14-08-001-464, Rio Arriba County, New Mexico.

SAN JUAN 31-6 UNIT
Working Interest Owners

Mr. Mike Abraham
814 Mercantile Bank Building
Dallas, Texas

Delhi-Taylor Oil Corporation
Attention: Mr. R. L. Caldwell
2630 Fidelity Union Tower
Dallas 1, Texas

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Lignum Oil Company
1030 Bank of the Southwest
Houston 2, 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

Skelly Oil Company
Attention: Mr. Harvey B. Hunt, Jr.
P. O. Box 4115, Station "A"
Albuquerque, New Mexico

Skelly Oil Company
Attention: Mr. T. F. Thompson
P. O. Box 1650
Tulsa 2, Oklahoma

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia

El Paso Natural Gas Company

El Paso, Texas

December 27, 1962

467

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 31-6 Unit #14-08-001-464
NOTICE OF COMPLETION OF ADDITIONAL
WELL - Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, #14-08-001-464, approved February 11, 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 31-6 Unit #23 Well, located 1650' from the North line and 1550' from the East line of Section 34, Township 31 North, Range 6 West, Rio Arriba County, New Mexico, was spudded on September 8, 1962, and completed on October 2, 1962, in the Mesaverde Formation at a total depth of 6007'. The Mesaverde Formation in the intervals between 5780' - 5786', 5799' - 5805', 5818' - 5824', 5840' - 5846', 5888' - 5894' was treated with a sand-water fracturing process on September 29, 1962. The Mesaverde Formation was shut-in on October 2, 1962, and after being shut-in for gauge for twenty-four (24) days, the well was tested on October 26, 1962, and following a three (3) hour blow-down period the Mesaverde Formation gauged 4346 MCFGPD through a 3/4" choke,

and 4819 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1102 PSIA and an SIPT of 1104 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 34, Township 31 North, Range 6 West, containing 320.00 acres.

This drilling block was included in the San Juan 31-6 Thirteenth Expanded Participating Area for the Mesaverde Formation, effective August 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 31-6 UNIT
Working Interest Owners

Mr. Mike Abraham
814 Mercantile Bank Building
Dallas, Texas

Delhi-Taylor Oil Corporation
Attention: Mr. R. L. Caldwell
2630 Fidelity Union Tower
Dallas 1, Texas

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Lignum Oil Company
3642 Inverness
Houston 19, 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

Skelly Oil Company
Attention: Mr. Harvey B. Hunt, Jr.
P. O. Box 4115, Station "A"
Albuquerque, New Mexico

Skelly Oil Company
Attention: Mr. T. F. Thompson
P. O. Box 1650
Tulsa 2, Oklahoma

Southern Petroleum Exploration, Inc.
Attention: Mr. John C. Wright
P. O. Box 192
Sistersville, West Virginia

El Paso Natural Gas Company

El Paso, Texas

September 28, 1962

467

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

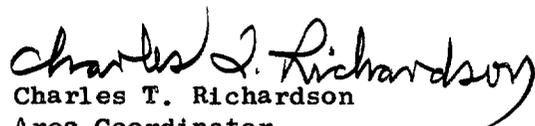
Re: Exhibit "B"
San Juan 31-6 Unit

Gentlemen:

You will find enclosed corrected page 2 for the Exhibit "B" for the San Juan 31-6 Unit, revised effective July 1, 1962. The description under Tract 6 has been corrected to read Lots 5, 6, 7 & 8. Please remove the old page 2 and insert the enclosed page 2 in your copy of the Exhibit "B". Your help in this matter will be appreciated.

Copies of this letter and corrected page 2 are being sent to the working interest owners of the San Juan 31-6 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:js

467

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 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1962 Drilling Program

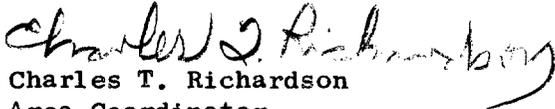
Gentlemen:

The 1962 Drilling Program for the San Juan 31-6 Unit was approved by the regulatory bodies as follows:

1. United States Geological Survey - August 3, 1962
2. Commissioner of Public Lands - July 9, 1962
3. Oil Conservation Commission - August 22, 1962

Copies of this letter are being sent to the working interest owners of the San Juan 31-6 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

467

August 22, 1962

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

Attention: Mr. Sam Smith

Re: 1962 Drilling Program
San Juan 31-6 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 31-6 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

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas

August 10, 1962

401

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: Revised Exhibit "B"
San Juan 31-6 Unit
Rio Arriba County,
New Mexico

Gentlemen:

You will find enclosed copies of the San Juan 31-6 Unit Exhibit "B" which has been revised effective July 1, 1962.

This Exhibit "B" was mailed to the working interest owners of the San Juan 31-6 Unit under date of July 23, 1962, and they were advised that if they should have any corrections or changes, to notify El Paso at an early date. As of this date, no working interest owner has notified El Paso of any correction or changes, therefore, this Exhibit "B" is presumed to reflect the correct interests of each working interest owner.

Copies of this letter are being sent to the working interest owners of the San Juan 31-6 Unit.

Very truly yours,


Charles T. Richardson
Area Coordinator
Land Department

CTR:GWO:js

Drawer 1857

Roswell, New Mexico

August 3, 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 31-6 unit area, Rio Arriba County, New Mexico, proposing the drilling of one Mesaverde formation well in the E $\frac{1}{4}$ sec. 34, T. 31 N., R. 6 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)

July 6, 1962

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

Re: San Juan 31-6 Unit
Rio Arriba County,
New Mexico
1962 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

The Commissioner of Public Lands has approved as of July 9, 1962 the 1962 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are returning one approved copy of this Drilling Program.

Very truly yours,

E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

BY:
(MRS.) Marian M. Rhea, Supervisor
Unit Division

ESW/mmr/a
encl:

cc: U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

C
O
P
Y

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 31-6 Unit #14-08-001-464
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 three (3) Mesaverde wells. All three (3) Mesaverde wells were drilled. The commercially completed wells have been admitted to the Mesaverde Participating Area.

As of this date, the total number of wells in the San Juan 31-6 Unit is as follows:

Mesaverde	19
Dual, Mesaverde-Dakota (Dakota temporarily abandoned)	1
Mesaverde (Non-commercial)	<u>1</u>
	21

Pursuant to Section 10 of the San Juan 31-6 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>
*E/2 Section 34, T-31-N, R-6-W	Mesaverde

*Intervening Drilling Block; must be drilled during 1962.

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 blocks.

El Paso Natural Gas Company intends to drill the Mesaverde wells 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 contacted and this Drilling Program reflects, insofar as possible, their requests for additional drilling.

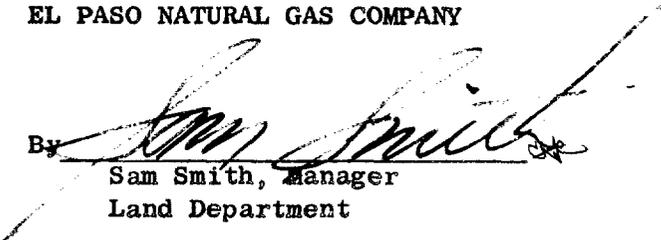
If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By


Sam Smith, Manager
Land Department

SS:GWO:js

SAN JUAN 31-6 UNIT
Working Interest Owners

Mr. Mike Abraham
814 Mercantile Bank Building
Dallas, Texas

Delhi-Taylor Oil Corporation
Attention: Mr. R. L. Caldwell
2630 Fidelity Union Tower
Dallas 1, Texas

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Lignum Oil Company
2919 Ella Lee Lane
Houston 2, 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 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

Skelly Oil Company
Attention: Mr. Harvey B. Hunt, Jr.
P. O. Box 4115, Station "A"
Albuquerque, New Mexico

Skelly Oil Company
Attention: Mr. T. F. Thompson
P. O. Box 1650
Tulsa 2, Oklahoma

Southern Petroleum Exploration, Inc.
Attention: Mr. Paul W. Neuenschwander
P. O. Box 192
Sistersville, West Virginia

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. H. Porter, Jr.
Oil Conservation Commission
Subject to like approval by the United
States Geological Survey and the
Commissioner of Public Lands.

DATE: 8-22-62

The foregoing approvals are for the 1962 Drilling Program for the San Juan 31-6
Unit #14-08-001-464, Rio Arriba County, New Mexico.

El Paso Natural Gas Company

El Paso, Texas

September 11, 1961

467

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 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties, New Mexico
CHANGE OF NOTICE OF COMPLETION OF ADDITIONAL
WELLS AND THIRTEENTH EXPANDED PARTICIPATING
AREA, Mesaverde Formation
Effective August 1, 1961.

Gentlemen:

Our attention has been directed to an error which appears near the bottom of page 2 of the above captioned letter. The San Juan 31-6 Unit #22 Well is reported in the subject letter as being located in the W/2 of Section 5, Township 30 North, Range 6 West, whereas the San Juan 31-6 Unit #22 Well is actually located in the E/2 of Section 5, Township 30 North, Range 6 West.

It would be appreciated if you will change the description of the committed drilling block to read the E/2 of Section 5, Township 30 North, Range 6 West, N.M.P.M. on your copy or copies of the subject letter. Your help in this matter will be appreciated.

A copy of this letter is being sent to the working interest owners shown on the attached list.

Very truly yours,

Charles Higgins
to file
Charles Higgins
Area Coordinator
Land Department

CH:GWO:js
Attachment

SAN JUAN 31-6 UNIT
Working Interest Owners

Mr. Mike Abraham
814 Mercantile Bank Building
Dallas, Texas

Delhi-Taylor Oil Corporation
2630 Fidelity Union Tower
1507 Pacific Avenue
Dallas 1, Texas

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Pan American Petroleum Corporation
Attention: Mr. L. O. Speer, Jr.
P. O. Box 480
Farmington, New Mexico

Phillips Petroleum Company
Attention: Mr. R. F. Rood or V. H. Stone
508 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Division Landman
Land & Geological Department
1200 Denver Club Building
Denver 2, Colorado

Skelly Oil Company
Attention: Mr. A. L. Cashman
Skelly Building
Tulsa, Oklahoma

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Southern Petroleum Exploration, Inc.
Attention: Mr. Paul W. Neuenschwander
P. O. Box 192
Sistersville, West Virginia

El Paso Natural Gas Company

El Paso, Texas

August 21, 1961

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 31-6 Unit #14-08-001-464
San Juan & Rio Arriba Counties,
New Mexico - NOTICE OF COMPLETION
OF ADDITIONAL WELLS AND THIRTEENTH
EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective August 1, 1961

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, #14-08-001-464, approved February 11, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that three (3) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to this unit. These wells are as follows:

1. The San Juan 31-6 Unit #15 Well is located 1450' from the North line and 790' from the East line of Section 2, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. This well was spudded on May 28, 1961, and completed on June 11, 1961 in the Mesaverde Formation at a total depth of 5780'. The Mesaverde Formation in the intervals between 5610' - 5618', 5622' - 5632', 5646' - 5654', 5671' - 5675', 5679' - 5685', 5692' - 5698' was perforated and treated with a sand-water fracturing process on June 10, 1961. The well was shut-in on June 28, 1961 and after being shut-in for eight (8) days, the Mesaverde Formation was tested on July 6, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3829 MCFGPD through a 3/4" choke and 4125 MCFGPD by the calculated absolute open-flow method with an SIPC of 1130 PSIA and an SIPT of 1130 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 2, Township 30 North, Range 6 West, N.M.P.M., containing 319.77 acres.

The foregoing drilling block was included in the San Juan 31-6 Unit Twelfth Expanded Participating Area for the Mesaverde Formation, effective November 1, 1960, as an intervening drilling block.

2. The San Juan 31-6 Unit #20 Well is located 800' from the North line and 1450' from the East line of Section 3, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. This well was spudded on June 13, 1961, and completed on June 26, 1961 in the Mesaverde Formation at a total depth of 5896'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5618' - 5626', 5636' - 5644', 5648' - 5656', 5662' - 5670' was perforated and treated with a sand-water fracturing process on June 25, 1961. The well was shut-in on July 6, 1961 and after being shut-in for eleven (11) days, the Mesaverde Formation was tested on July 17, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3206 MCFGPD through a 3/4" choke and 3382 MCFGPD by the calculated absolute open-flow method with an SIPC of 1166 PSIA and an SIPT of 1142 PSIA. The committed drilling block upon which this well is located is described as the E/2 of Section 3, Township 30 North, Range 6 West, N.M.P.M., containing 320.32 acres.

The foregoing drilling block was included in the San Juan 31-6 Unit Eleventh Expanded Participating Area for the Mesaverde Formation, effective August 1, 1960, as an intervening drilling block.

3. The San Juan 31-6 Unit #22 Well is located 1830' from the North line and 1770' from the East line of Section 5, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. This well was spudded on June 27, 1961, and completed on July 8, 1961 in the Mesaverde Formation at a total depth of 5845'. The Point Lookout Section of the Mesaverde Formation in the intervals between 5569' - 5577', 5613' - 5621', 5641' - 5649', 5676' - 5684', 5706' - 5714', 5720' - 5728', 5756' - 5764' was perforated and treated with a sand-water fracturing process on July 7, 1961. The well was shut-in on July 8, 1961 and after being shut-in for nine (9) days, the Mesaverde Formation was tested on July 17, 1961, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3508 MCFGPD through a 3/4" choke and 3735 MCFGPD by the calculated absolute open-flow method with an SIPC of 1144 PSIA and an SIPT of 1132 PSIA. The committed drilling block upon which this well is located is described as the W/2 of Section 5, Township 30 North, Range 6 West, N.M.P.M., containing 319.49 acres.

The foregoing drilling block was included in the San Juan 31-6 Unit Eleventh Expanded Participating Area for the Mesaverde Formation, effective August 1, 1960 as an intervening drilling block.

The completion of the San Juan 31-6 Unit #20 Well creates one intervening drilling block described as the E/2 of Section 34, Township 31 North, Range 6 West, N.M.P.M., containing 320.00 acres. This drilling block is admitted to the Mesaverde Participating Area, effective August 1, 1961, and a well must be commenced on the said drilling block by August 1, 1962.

Attached is Schedule XIV showing the Thirteenth Expanded Participating Area for the Mesaverde Formation of the San Juan 31-6 Unit Area. This schedule describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this expanded participating area will become effective as of August 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick
T. W. Bittick
Assistant Manager
Land Department
EB

TWB:GWO:js

cc: Attached list

SAN JUAN 31-6 UNIT
Working Interest Owners

Mr. Mike Abraham
814 Mercantile Bank Building
Dallas, Texas

Delhi-Taylor Oil Corporation
2630 Fidelity Union Tower
1507 Pacific Avenue
Dallas 1, Texas

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Pan American Petroleum Corporation
Attention: Mr. L. O. Speer, Jr.
P. O. Box 480
Farmington, New Mexico

Phillips Petroleum Company
Attention: Mr. R. F. Rood
508 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Division Landman
Land & Geological Department
1200 Denver Club Building
Denver 2, Colorado

Skelly Oil Company
Attention: Mr. A. L. Cashman
Skelly Building
Tulsa, Oklahoma

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Southern Petroleum Exploration, Inc.
Attention: Mr. Paul W. Neuenschwander
P. O. Box 192
Sistersville, West Virginia

El Paso Natural Gas Company

El Paso, Texas

2107

May 10, 1961

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Drawer 1857
Roswell, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF NON-COMMERCIAL
WELL IN THE DAKOTA FORMATION

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, El Paso Natural Gas Company, as Successor Unit Operator to Pacific Northwest Pipeline Corporation, has determined that the following described well is not capable of producing unitized substances in paying quantities from the Dakota Formation.

The San Juan 31-6 Unit #16-33 (MD) Well, located 850' from the South line and 1840' from the West line of Section 33, Township 31 North, Range 6 West, Rio Arriba County, New Mexico, was spudded on June 15, 1959, and dually completed on August 25, 1959, at a total depth of 8182' in the Mesa-verde and Dakota Formations. The lower Dakota Formation in the intervals between 8096' - 8106', 8112' - 8124', 8130' - 8140' and the middle Dakota in the intervals between 7970' - 7975', 7985' - 7991', 8020' - 8024', 8036' - 8044', 8048' - 8054' were treated with a sand-water fracturing process on July 31, 1959 and August 1, 1959. The upper Dakota Formation in the intervals between 7901' - 7907', 7916' - 7924', 7947' - 7952' was treated with a sand-water fracturing process on August 4, 1959. The Dakota Formation was shut-in for gauge on August 24, 1959 and after being shut-in for Eight (8) days, the Dakota Formation was tested on September 1, 1959, and following a three (3) hour blow-down period gauged 1783 MCFGPD through a 3/4" choke, and 1808 MCFGPD by the calculated absolute open-flow method, with an SIPC of 2280#.

The San Juan 31-6 Unit #16-33 (MD) Well was also completed in the Mesa-verde Formation and pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, a Notice of Completion of an Additional Well was sent by separate letter.

If this determination meets with your approval, please indicate such approval in the space provided and return an approved copy hereof for our files.

Copies of this letter are being sent to the Commissioner of Public Lands and the Oil Conservation Commission of the State of New Mexico and the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

BY Sam Smith

Sam Smith, Manager
Land Department

SS:GWO:js

APPROVED: _____ DATE: _____
United States Geological Survey

SAN JUAN 31-6 UNIT
Working Interest Owners

Mr. Mike Abraham
814 Mercantile Bank Building
Dallas, Texas

Delhi-Taylor Oil Corporation
2630 Fidelity Union Tower
1507 Pacific Avenue
Dallas 1, Texas

General American Oil Company of Texas
Attention: Mr. James W. Goss, Jr.
Meadows Building
Dallas 6, Texas

Pan American Petroleum Corporation (12)
Attention: Mr. L. O. Speer, Jr.
P. O. Box 480
Farmington, New Mexico

Phillips Petroleum Company
Attention: Mr. R. F. Rood or R. A. Brown
508 Bank Building
Bartlesville, Oklahoma

Phillips Petroleum Company
Attention: Division Landman
Land & Geological Department
1200 Denver Club Building
Denver 2, Colorado

Skelly Oil Company
Attention: Mr. A. L. Cashman
Skelly Building
Tulsa, Oklahoma

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Southern Petroleum Exploration, Inc.
Attention: Mr. Paul W. Neuenschwander
P. O. Box 192
Sistersville, West Virginia

El Paso Natural Gas Company

El Paso, Texas

May 2, 1961

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Drawer 1837
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
NOTICE OF APPROVAL OF 1961
DRILLING PROGRAM

Gentlemen:

The 1961 Drilling Program for the San Juan 31-6 Unit was approved by the regulatory bodies on the following dates:

1. Regional Oil and Gas Supervisor,
United States Geological Survey - March 17, 1961
2. Commissioner of Public Lands - April 26, 1961
3. Oil Conservation Commission - April 28, 1961

Copies of this letter are being sent to the working interest owners in the San Juan 31-6 Unit.

Very truly yours,

Charles Higgins

Charles Higgins
Area Coordinator
Land Department

CH:GWO:cah

C . CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

Use 467

C
O
P
Y

April 28, 1961

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

Attention: Mr. Sam Smith

Re: 1961 Plan of Development
San Juan 31-6 Unit, Rio
Arriba County, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1961 Plan of Development for the San Juan 31-6 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

April 26, 1961

El Paso Natural Gas Company
P. O. Box 1492
El Paso Natural Gas Company

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
1961 Drilling Program

Attention: Mr. Sam Smith

Gentlemen:

We are enclosing one copy of the 1961 Drilling Program for the San Juan 31-6 Unit Area, which was approved by the Commissioner of Public Lands April 26, 1961.

Very truly yours,
E. S. Johnny Walker
Commissioner of Public Lands

BY:
Ted Bilberry, Supervisor
Oil and Gas Division

ESW/emr/s

cc: Oil Conservation Commission
Santa Fe, New Mexico

United States Geological Survey
Roswell, New Mexico



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P.O. Box 6721
Roswell, New Mexico

March 17, 1961

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

Attention: Mr. Sam Smith

Gentlemen:

Your plan of development for 1961, dated January 6, 1961, for the San Juan 31-6 unit area, Rio Arriba County, New Mexico, which proposes the drilling of three Mesaverde 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,

EDWIN M. THOMASSON
Acting Regional Oil and Gas Supervisor

Copy to: Washington (w/cy of plan)
Farmington (w/cy of plan)
7 NMOCC, Santa Fe (ltr. only)

In reply refer to:
Unit Division

UNIT DIVISION

25-467

February 25, 1961

United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Attention: Mr. John Anderson
Mr. Edwin Thomason

Re: San Juan 31-6 Unit
Rio Arriba County

Gentlemen:

In our examination of the 1961 Drilling Program for San Juan 31-6 Unit, we find the program satisfactory other than we find a well in section 31, Township 31-North, Range 5-West within the Rosa Unit, which is a direct offset to Section 36, Township 31-North, Range 6-West within the San Juan 31-6 Unit. We feel such an obligation well should be set forth in the 1961 Drilling Program.

We will welcome your remarks on this situation.

Very truly yours,
E. S. JOHNNY WALKER
COMMISSIONER OF PUBLIC LANDS

BY:
Marian M. Rhea, Supervisor
Unit Division

RSW/umr/s

C
O
P
Y

El Paso Natural Gas Company

El Paso, Texas

January 6, 1961

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
1961 DRILLING PROGRAM

Gentlemen:

Pursuant to Section 10 of the San Juan 31-6 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, does hereby submit for your approval the 1961 Drilling Program for the San Juan 31-6 Unit #14-08-001-464.

Four wells were completed in the San Juan 31-6 Unit Area during the 1960 calendar year. All four wells were completed in the Mesaverde formation only and all four drilling blocks have been included in the participating area for the Mesaverde formation.

Set out immediately below is a recapitulation of the wells that have been completed in the San Juan 31-6 Unit Area:

<u>FORMATION</u>	<u>NO. OF WELLS</u>
Mesaverde, only	16
Mesaverde, only (non-commercial)	1
Dual, Mesaverde-Dakota	1
Total	<u>18</u>

El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests the approval of a drilling program for the calendar year 1961, consisting of three (3) Mesaverde wells as set out below:

DRILLING BLOCK

FORMATION

E/2 Section 2, T-30-N, R-6-W	Mesaverde
E/2 Section 3, T-30-N, R-6-W	Mesaverde
E/2 Section 5, T-30-N, R-6-W	Mesaverde

El Paso Natural Gas Company intends to drill the Mesaverde wells 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.

In addition to the above wells, 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.

All Working Interest Owners have been contacted and this Drilling Program reflects 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 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: W. L. Porter, Jr.
Oil Conservation Commission
Subject to like approval by the United States
Geological Survey and the Commissioner of
Public Lands.

DATE: 4-28-61

The foregoing approvals are for the 1961 Drilling Program for the San Juan 31-6 Unit, Rio Arriba County, New Mexico.

San Juan 31-6 Unit
Working Interest Owners

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or R. A. Brown

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. James W. Goss

Southern Petroleum Exploration, Inc.
Post Office Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Delhi-Taylor Oil Corporation
2630 Fidelity Union Tower
1507 Pacific Avenue
Dallas 1, Texas

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

Pan American Petroleum Corporation
Post Office Box 480
Farmington, New Mexico
Attention: Mr. L. O. Speer, Jr.

El Paso Natural Gas Company

El Paso, Texas

December 8, 1960

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
San Juan & Rio Arriba Counties,
New Mexico
TWELFTH EXPANDED PARTICIPATING AREA
Mesaverde Formation
Effective November 1, 1960

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, #14-08-001-464, approved February 11, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that one additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit. This well is as follows:

The San Juan 31-6 Unit Well #17-1 is located 990' from the South line and 1750' from the West line of Section 1, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. This well was spudded August 14, 1960, and completed on September 1, 1960 in the Mesaverde Formation at a total depth of 5851'. The Point Lookout section of the Mesaverde Formation in the intervals between 5508' - 5522', 5570' - 5576', 5620' - 5636', 5646' - 5654', 5672' - 5680', 5723' - 5729' was perforated and treated with a sand-water fracturing process on August 30, 1960. The well was shut-in on September 1, 1960 and after being shut-in for fifty-five (55) days, the Mesaverde Formation was tested on October 26, 1960, and following a three (3) hour blow-down period the Mesaverde Formation gauged 3673 MCFGPD through a 3/4" choke and 5227 MCFGPD by the calculated absolute open-flow method with an SIPC of 1180# and an SIPT of 1154#. The committed drilling block upon which this well is located is described as the W/2 of Section 1, Township 30 North, Range 6 West, N.M.P.M., containing 319.69 acres.

The above described well is being included in the Twelfth Expanded Participating Area of the Mesaverde Formation, effective November 1, 1960.

The completion of the foregoing well creates one intervening drilling block described as the E/2 of Section 2, Township 30 North, Range 6 West, N.M.P.M., containing 319.77 acres. This drilling block is admitted to the Mesaverde Participating Area, effective November 1, 1960, and a well must be commenced on the said drilling block by November 1, 1961.

Attached is Schedule XIII showing the Twelfth Expanded Participating Area for the Mesaverde Formation of the San Juan 31-6 Unit Area. This schedule describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this expanded participating area will become effective as of November 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick
T. W. Bittick
Assistant Manager
Land Department

TWB:GWO:cah
Attachments

SAN JUAN 31-6 UNIT
Working Interest Owners

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or R. A. Brown

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Southern Petroleum Exploration, Inc.
Post Office Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Delhi-Taylor Oil Corporation
2630 Fidelity Union Tower
1507 Pacific Avenue
Dallas 1, Texas

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

Pan American Petroleum Corporation
Post Office Box 480
Farmington, New Mexico
Attention: Mr. L. O. Speer, Jr. (12)

El Paso Natural Gas Company

El Paso, Texas

August 25, 1960

AUG 25 1960

Case # 467

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties,
New Mexico
ELEVENTH EXPANDED PARTICIPATING
AREA FOR THE MESAVERDE FORMATION
Effective August 1, 1960

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, #14-08-001-464, approved February 11, 1953, El Paso Natural Gas Company, as Unit Operator, has determined that two additional wells capable of producing unitized substances in paying quantities from the Mesaverde formation have been completed upon acreage committed to this unit. These wells are as follows:

1. San Juan 31-6 Unit, Well #18-3 is located 1460' from the South line and 1840' from the West line of Section 3, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. This well was spudded June 16, 1960, and completed on July 5, 1960, in the Mesaverde formation at a total depth of 5724'. The Point Lookout section of the Mesaverde formation in the intervals between 5476' - 5482', 5486' - 5492', 5496' - 5504', 5524' - 5534', 5548' - 5558', 5578' - 5590', 5626' - 5632', 5638' - 5644' was perforated and treated with a sand-water fracturing process on July 2, 1960. The well was shut-in on July 5, 1960 and after being shut-in for eight (8) days, the Mesaverde formation was tested on July 13, 1960, and following a three (3) hour blow-down period the Mesaverde formation gauged 5,179 MCFGPD through a 3/4" choke and 6,898 MCFGPD

by the calculated absolute open-flow method with an SIPC of 1056# and an SIPT of 1056#. The committed drilling block upon which this well is located is described as the W/2 of Section 3, Township 30 North, Range 6 West, N.M.P.M. containing 320.16 acres.

2. The San Juan 31-6 Unit #14-5 Well, located 1135' from the South line and 1000' from the West line of Section 5, Township 30 North, Range 6 West, Rio Arriba County, New Mexico, was spudded on May 30, 1960 and completed on June 15, 1960 at a total depth of 5687' in the Mesaverde formation. The Cliff House and Point Look-out sections of the Mesaverde formation in the intervals between 5254' - 5266', 5274' - 5286', 5322' - 5328', 5432' - 5440', 5468' - 5474', 5479' - 5487', 5494' - 5502', 5528' - 5534', 5538' - 5543', 5547' - 5556', 5594' - 5602' were treated with a sand-water fracturing process on May 11, 1960 and May 12, 1960. The well was shut-in on June 15, 1960 and after being shut-in for twenty-eight (28) days, the Mesaverde formation was tested on July 13, 1960, and following a three (3) hour blow-down period gauged 3743 MCFGPD through a 3/4" choke and 5774 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1102# and an SIPC of 1095#. The committed drilling block upon which this well is located is described as the W/2 of Section 5, Township 30 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico, containing 319.49 acres.

The above described wells are being included in the Eleventh Expanded Participating Area of the Mesaverde formation, effective August 1, 1960.

The completion of the foregoing wells creates two intervening drilling blocks described as the E/2 of Section 3, Township 30 North, Range 6 West, N.M.P.M., containing 320.32 acres and the E/2 of Section 5, Township 30 North, Range 6 West, N.M.P.M., containing 319.67. These drilling blocks are admitted to the Mesaverde Participating Area, effective August 1, 1960, and a well must be commenced on each of the said drilling blocks by August 1, 1961.

Attached is Schedule XII showing the Eleventh Expanded Participating Area for the Mesaverde formation of San Juan 31-6 Unit Area. This Schedule describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract and the exact breakdown of percentage allocated to each tract according to the various ownerships in said tract. Inasmuch as this needs no official approval, no provision is made therefor and in the absence of disapproval, this expanded participating area will become effective as of August 1, 1960.

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

T. W. Bittick
Assistant Manager
Land Department

TWB:GWO:js

Attachments

San Juan 31-6 Unit
Working Interest Owners

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or
Mr. R. A. Brown

Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

Pan American Petroleum Corporation (12)
P. O. Box 480
Farmington, New Mexico
Attention: Mr. L. O. Speer, Jr.

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AUG 18 1960

El Paso Natural Gas Company

El Paso, Texas
August 18, 1960

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Case

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit Area #14-08-001-464
Rio Arriba County, New Mexico
NOTICE OF APPROVAL OF THE 1960
DRILLING PROGRAM

Gentlemen:

This is to advise you that the 1960 Drilling Program for the San Juan 31-6 Unit Area was approved as follows:

1. Regional Oil and Gas Supervisor, United States Geological Survey on August 5, 1960.
2. Commissioner of Public Lands of the State of New Mexico on February 18, 1960.
3. Oil Conservation Commission of the State of New Mexico on August 16, 1960.

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

Very truly yours,



Charles Higgins
Area Coordinator
Land Department

CH:GWO:js

Attachment

San Juan 31-6 Unit
Working Interest Owners

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or
 Mr. R. A. Brown

Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Slick Oil Corporation
1030 Bank of the Southwest Bldg.
Houston 2, Texas

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

Pan American Petroleum Corporation
P. O. Box 480
Farmington, New Mexico
Attention: Mr. L. O. Speer, Jr. (12)

CONSERVATION COMMIS

P. O. BOX 871

SANTA FE, NEW MEXICO

August 15, 1960

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

O
ATTENTION: Mr. Sam Smith

RE: 1960 Plan of Development
San Juan 31-6 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 1960 Plan of Development for the San Juan 31-6 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: USGS - Roswell

Commissioner of Public Lands - Santa Fe



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

August 5, 1960

(Handwritten initials)

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

Attention: Mr. Sam Smith

Gentlemen:

Your 1960 plan of development, filed January 20, 1960, for the San Juan 91-6 unit agreement, Rio Arriba County, New Mexico, proposing the drilling of three Mesaverde wells, has been approved on this date subject to like approval by appropriate state officials.

One approved copy of the plan is enclosed.

Very truly yours,

(Handwritten signature)
ERWIN M. THOMASSEN
Acting Oil and Gas Supervisor

- Copy to: Washington (w/copy of plan)
- Farmington (w/copy of plan)
- EMOCC, Santa Fe (letter only)
- Com. of Pub. Lands, Santa Fe (letter only)

RECEIVED
OIL AND GAS
DIVISION
1960 AUG 5 PM 11

El Paso Natural Gas Company

El Paso, Texas

July 18, 1960

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELL
Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, #14-08-001-464, approved February 11, 1953, El Paso Natural Gas Company, as Unit Operator, determined on June 10, 1960, that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit. This well is as follows:

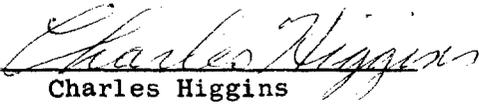
The San Juan 31-6 Unit #19-32 Well is located 990' from the North line and 990' from the East line of Section 32, Township 31 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on May 10, 1960 and completed on May 28, 1960 at a total depth of 5803'. The Point Lookout Section of the Mesaverde Formation at intervals between 5438' - 5458', 5502' - 5512', 5570' - 5588', 5594' - 5626', 5640' - 5664', 5676' - 5688' was treated with a sand-water fracturing process on May 25, 1960. The well was shut-in on May 29, 1960, and after being shut-in for gauge for twelve (12) days, the Mesaverde Formation of the well was tested on June 10, 1960, and following a three (3) hour blow-down period the well gauged 2340 MCFGPD through a 3/4" choke, and 2705 MCFGPD by the calculated absolute open-flow method, with an SIPT of 1120# and an SIPC of 1122#. The committed drilling block upon which this well is located is described as the E/2 of Section 32, Township 31 North, Range 6 West, N.M.P.M., containing 320.00 acres.

This drilling block was included in the San Juan 31-6 Tenth Expanded Participating Area of the Mesaverde Formation, effective October 1, 1959, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

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
Area Coordinator
Land Department

CH:GWO:cah

SAN JUAN 31-6 UNIT
WORKING INTEREST OWNERS

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or Mr. R. A. Brown

Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Southern Petroleum Exploration, Inc.
P.O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

Pan American Petroleum Corporation
P.O. Box 480
Farmington, New Mexico
Attention: Mr. L. O. Speer, Jr. (12)

El Paso Natural Gas Company
MAIN OFFICE CCC

1960 JUN 22 AM 9:04

El Paso, Texas
June 17, 1960

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

467

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit
No. 14-08-001-464

Gentlemen:

You will find set out below the dates that action was taken by the regulatory bodies recognizing El Paso Natural Gas Company as the Unit Operator of the San Juan 31-6 Unit.

1. Acting Director of the United States Geological Survey on May 20, 1960.
2. Commissioner of Public Lands of the State of New Mexico on April 4, 1960.
3. Oil Conservation Commission of the State of New Mexico on April 22, 1960.

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

Very truly yours,

Charles Higgins
Charles Higgins
Area Coordinator
Land Department

CH:GWO:n1

San Juan 31-6 Unit
Working Interest Owners

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or
Mr. R. A. Brown

Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

Pan American Petroleum Corporation
P. O. Box 400
Farmington, New Mexico
Attention: Mr. L. O. Speer, Jr.

CIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

Case # 467

April 22, 1960

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

ATTENTION: Mr. Sam Smith

**Re: Change of Unit Operator,
San Juan 31-6 Unit, Rio
Arriba County, New Mexico**

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission approves El Paso Natural Gas Company as Unit Operator for San Juan 31-6 Unit.

As the surviving corporation by Merger with Pacific Northwest, El Paso Natural Gas Company complies fully with the terms of the San Juan 31-6 Unit Agreement allowing El Paso's assumption of rights, duties, obligations and responsibility of Unit Operator.

The approval of this change of Unit Operator is made subject to like approval by the Director of the United States Geological Survey and the Commissioner of Public Lands.

One approved copy is enclosed.

Very truly yours,

**A. L. FONTER, Jr.,
Secretary-Director**

**ALP/JEK:esr
Enclosure**

**cc: United States Geological Survey - Roswell
State Land Office - Santa Fe**

C

O

P

Y

In reply refer to:
Unit Division

April 4, 1960

C
O
El Paso Natural Gas Company
El Paso, Texas

ATTENTION: Mr. Sam Smith

Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico

P
Gentlemen:

Y
The Commissioner of Public Lands, approves the designation of El Paso Natural Gas Company as operator of the above designated unit.

Change of operator of this unit being due to Pacific Northwest Pipeline Corporation, which merged with and into El Paso Natural Gas Company, El Paso, Texas as the surviving corporation.

Section 6 of the unit agreement has been complied with and the working interest owners of the unit have confirmed El Paso as being acceptable as unit operator.

We are enclosing two approved copies of this designation. Please remit two dollars (\$2.00) filing fee to cover handling of these documents.

Very truly yours,
MURRAY E. MORGAN
Commissioner of Public Lands

BY:
Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MMR/m
cc:

OCC-Santa Fe
USGS-Roswell

El Paso Natural Gas Company

El Paso, ~~Texas~~

March 28, 1960

Mr. John A. Anderson
Regional Oil and Gas Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
Of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico

Gentlemen:

Since December 31, 1959, on which date Pacific Northwest Pipeline Corporation was merged with and into El Paso Natural Gas Company, El Paso, as the surviving corporation, has been acting in the capacity of Operator of the captioned Unit.

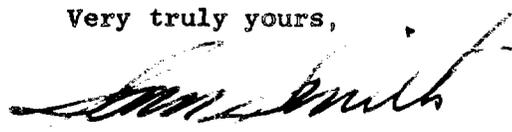
In compliance with Section 6 of the Unit Agreement, the working interest owners were polled to ascertain if El Paso was acceptable to succeed Pacific as Unit Operator. The results of voting by a majority of the working interest ownership has confirmed El Paso as Unit Operator.

In the event El Paso's confirmation as Unit Operator is approved by the regulatory agencies, El Paso assumes and accepts all of the rights, duties, obligations and responsibilities attendant upon the Operator of the captioned Unit pursuant to the terms of the Unit Agreement and Unit Operating Agreement.

We herewith respectfully request that El Paso Natural Gas Company be approved as Unit Operator in the space provided on the attached sheet and that one copy be returned to this office.

A copy of this letter is being sent to all working interest owners within this Unit.

Very truly yours,



Sam Smith, Manager
Land Department

SS:GWO:nl

cc: Attached List

San Juan 31-6 Unit
Working Interest Owners

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood or
Mr. R. A. Brown

Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Slick Oil Corporation
1030 Bank of the Southwest Bldg.
Houston 2, Texas

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

Pan American Petroleum Corporation
P. O. Box 487
Farmington, New Mexico
Attention: Mr. L. O. Speer, Jr. (12)

APPROVED:

Director, 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: 4-22-60

761
In reply refer to:
Unit Division

C
February 19, 1960

O
Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City, Utah

ATTENTION: Mr. R. N. Richey

P
Re: San Juan 31-6 Unit
Rio Arriba County, New Mexico
Plan of Development for Calendar
Year 1960

Y
Gentlemen:

We are enclosing two copies of the 1960 Plan of Development for the San Juan 31-6 Unit, which was approved by the Commissioner of Public Lands February 18, 1960.

Please furnish us another copy of this document when it is fully executed.

Very truly yours,
MURRAY E. MORGAN
Commissioner of Public Lands

BY:
Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MER/m
cc:

OCC-Santa Fe
USGS-Reswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 3, 1959

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

W 467

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
PLAN OF DEVELOPMENT FOR CALENDAR
YEAR 1960

Pursuant to Section 10 of San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, respectfully submits herewith for your approval the 1960 Plan of Development for the subject unit providing for the drilling of the wells set out below during the period from January 1, 1960, to December 31, 1960.

The Plan of Development for 1959 on San Juan 31-6 Unit called for the drilling of one Mesaverde well, also there was scheduled at least one well to be drilled to the Dakota formation. Tabulated below is the status of the wells shown on this Plan of Development.

<u>Location</u>	<u>Drilling Status</u>	<u>Formation</u>	<u>Determination</u>
W/2 of Sec. 33, T-31-N, R-6-W	Complete	MV - DAK	MV - Commercial (dual) DAK - Noncommercial

Pacific Northwest Pipeline Corporation, as Unit Operator, in concurrence with the other working interest owners in the unit, proposes the following Plan of Development for 1960:

1. Drill the following wells:

<u>Location</u>	<u>Formation</u>
E/2 of Sec. 33, T-31-N, R-6-W	Mesaverde
W/2 of Sec. 3, T-30-N, R-6-W	Mesaverde
W/2 of Sec. 1, T-30-N, R-6-W	Mesaverde

2. Drill any wells required to prevent Unit drainage.

Plan of Development for 1960
San Juan 31-6 Unit

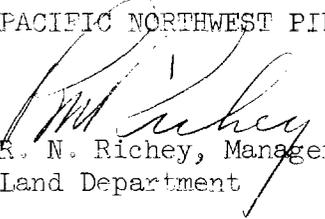
3. Drill additional Mesaverde wells which may be requested by working interest owners.
4. Drill wells to other horizons when authorized by working interest owners.

Gas drilling will be employed wherever practicable and it is contemplated that casing will be set through the potentially productive gas sands. Completions will be effected by perforating the casing opposite best log indications and applying high velocity frac treatment. Multiple zone completions will be made when appropriate and properly approved.

If this drilling program is acceptable, please signify your approval, as requested under Section 10 of the Unit Agreement, in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:kfb
Attachment

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: A. L. Porter /u DATE: 8/16/60
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

October 2, 1959

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties
New Mexico
NOTICE OF COMPLETION OF ADDITIONAL
WELL and TENTH EXPANDED PARTICIPATING
AREA FOR THE MESAVERDE FORMATION
Effective: October 1, 1959

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to this unit.

The well information is as follows:

San Juan 31-6 Unit, Well #16-33 is located 850' from the South line and 1840' from the West line of Section 33, Township 31 North, Range 6 West, Rio Arriba County, New Mexico. This well was spudded June 15, 1959, and completed on August 26, 1959, in the Mesaverde and Dakota formations at a total depth of 8154'. The Mesaverde formation between 5430' and 5838' was perforated and treated with a sand-water fracturing process. After being shut-in for approximately 11 days the Mesaverde formation was tested on September 8, 1959, and following a three hour blow down period, gauged 1952 MCF/D through 3/4" choke and 2022 MCF/D by the calculated absolute open flow method, with a SICP of 883# and a SIPT of 884#. The committed drilling block upon which this well is located is described as the W/2 of Section 33, Township 31 North, Range 6 West, containing 320.00 acres, and was admitted to the Mesaverde Participating Area as an Intervening Drilling Block with the Ninth Expansion effective November 1, 1958.

San Juan 31-6 Unit
Tenth Expanded Participating Area
for the Mesaverde Formation
Effective: October 1, 1959

With the completion of this well, there is one intervening drilling block created as follows:

E/2 of Section 32, Township 31 North, Range 6 West,
N.M.P.M., Rio Arriba County, New Mexico

This intervening drilling block contains 320.00 acres and under the terms of the Unit Agreement is hereby admitted to the Mesaverde Participating Area effective October 1, 1959.

Well #16-33 was also completed in the Dakota formation, and in conformance with Section 11 (b) of San Juan 31-6 Unit Agreement, a report on the completion in this formation will be submitted by separate letter.

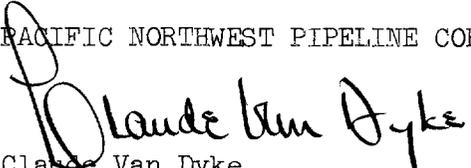
Attached is Schedule XI showing the Tenth Expanded Participating Area for the Mesaverde formation of San Juan 31-6 Unit area. This Schedule describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 31-6 Unit indicating the Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all the working interest owners within the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 30, 1959

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

151
467

Gentlemen:

Re: San Juan 31-6 Unit
1959 Plan of Development

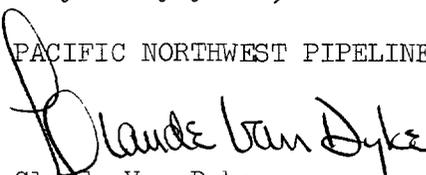
This is to advise that the 1959 Plan of Development for the San Juan 31-6 Unit has been approved as follows:

1. Supervisor, United States Geological Survey, March 23, 1959.
2. Commissioner of Public Lands, State of New Mexico, February 13, 1959.
3. Oil Conservation Commission, State of New Mexico, January 7, 1959.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD:jc

P. O. Box 6721
Roswell, New Mexico

March 23, 1959

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

Gentlemen:

Your Plan of Development for 1959, dated December 16, 1958, for the San Juan 31-6 unit area, No. 14-08-001-464, Rio Arriba County, New Mexico, which proposes the drilling of one Mesaverde formation well and one Dakota formation well, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the plan is enclosed.

Very truly yours,



EDWIN M. THOMASSON
Acting Oil and Gas Supervisor

Enclosure 1

Copy to: Washington (w/cy of plan)
Farmington (w/copy of plan)
— NMDCG, Santa Fe (letter only)
Comm. of Pub. Lands, Santa Fe (letter only)

Diels

In reply refer to:
Unit Division

February 13, 1959

File 467

C
O
P
Y

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Re: San Juan 31-6 Unit
Rio Arriba County
Plan of Development for
Calendar Year 1959

ATTENTION: Mr. R. N. Richey

Gentlemen:

We are enclosing one copy of the 1959 Plan of Development for the San Juan 31-6 Unit, which was approved by the Commissioner of Public Lands February 12, 1959.

Our understanding of this program is you will drill one Mesaverde well in the W/2 of Section 33, Township 3-North, Range 6-West and under No. 4, you will drill one Dakota well, no location given.

Your letter of March 25, 1958 in reply to our request of March 18, 1958 for an offset in Section 36, Township 31-North, Range 6-West, stated you would re-evaluate the area adjacent to Section 36 prior to submitting a future Plan of Development. This office expected such a report on this prior to the submission of the 1959 program.

Very truly yours,
MURRAY E. MORGAN
Commissioner of Public Lands

BY:
Ted Bilberry, Supervisor
Oil and Gas Division

MEM/AMR/m

cc: OCC- Santa Fe

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

File

467

January 7, 1959

C
O
P
Y

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

ATTENTION: Mr. R. N. Richey

RE: Plan of Development For
Calendar Year 1959 San
Juan 31-6 Unit Rio Arriba
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development For Calendar Year 1959 for the San Juan 31-6 Unit Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the application is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/RLS/ig

cc: State Land Office - Santa Fe
US Geological Survey - Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

DEC 16 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
PLAN OF DEVELOPMENT FOR CALENDAR
YEAR 1959

Pursuant to Section 10 of San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, respectfully submits herewith for your approval the 1959 Plan of Development for the subject unit providing for the drilling of the wells set out below during the period from January 1, 1959, to December 31, 1959.

The Plan of Development for 1958 on San Juan 31-6 Unit called for the drilling of three Mesaverde wells. Of these three wells only one was completed as planned and has been admitted to the Mesaverde Participating Area. The other two Mesaverde wells were deferred to permit further evaluation of present production from that horizon.

Pacific Northwest Pipeline Corporation, as Unit Operator, in concurrence with the other working interest owners in the unit, proposes the following Plan of Development for 1959:

1. Drill the following:

<u>Location</u>	<u>Formation</u>	<u>Date Requirement</u>
W/2 of Sec. 33, T 31 N, R 6 W	Mesaverde	Commence by 11-1-59

2. Drill any wells required to prevent Unit drainage.
3. Drill additional Mesaverde wells which may be requested by working interest owners.
4. Drill at least one well to the Dakota formation.

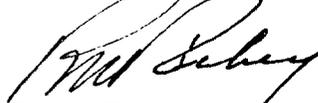
Plan of Development 1959
San Juan Unit 31-6

Gas drilling will be employed wherever practicable and it is contemplated that casing will be set through the potentially productive gas sands. Completions will be effected by perforating the casing opposite best log indications and applying high velocity frac treatment. Multiple zone completions will be made when appropriate and properly approved.

If this drilling program is acceptable, please signify your approval, as requested under Section 10 of the Unit Agreement, in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:jc
Attachment

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED:  _____ DATE: Jan 7, 1959
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

November 4, 1958

REPLY TO:
P. O. BOX 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

File 467

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties
New Mexico
NINTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: November 1, 1958

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon 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 31-6 Unit, Well #13-4 is located 1770' from the South line and 800' from the West line of Section 4, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. This well was spudded July 18, 1958, and completed on August 21, 1958, in the Mesaverde formation at a total depth of 5786'. The Mesaverde formation between 5234' and 5686' was perforated and treated with a water fracturing process. After being shut-in for approximately 35 days the Mesaverde formation was tested on October 2, 1958, and following a three hour blow down period, gauged 2976 MCF/D through 3/4" choke and 4440 MCF/D by the calculated absolute open flow method, with a SICP of 1053# and a SIPT of 1058#. The committed drilling block upon which this well is located is described as the W/2 of Section 4, Township 30 North, Range 6 West, containing 319.84 acres.

San Juan 31-6 Unit
Ninth Expanded Participating Area
For the Mesaverde Formation
Effective: November 1, 1958

With the completion of this well, there is one intervening drilling block created as follows:

W/2 of Section 33, Township 31 North, Range 6 West,
N.M.P.M., Rio Arriba County, New Mexico.

This intervening drilling block contains 320.00 acres and under the terms of the Unit Agreement is hereby admitted to the Mesaverde Participating Area effective November 1, 1958.

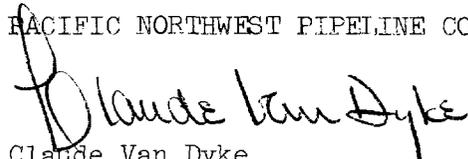
Attached is Schedule X showing the Ninth Expanded Participating Area for the Mesaverde formation of San Juan 31-6 Unit area. This Schedule describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 31-6 Unit indicating the Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all the working interest owners within the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

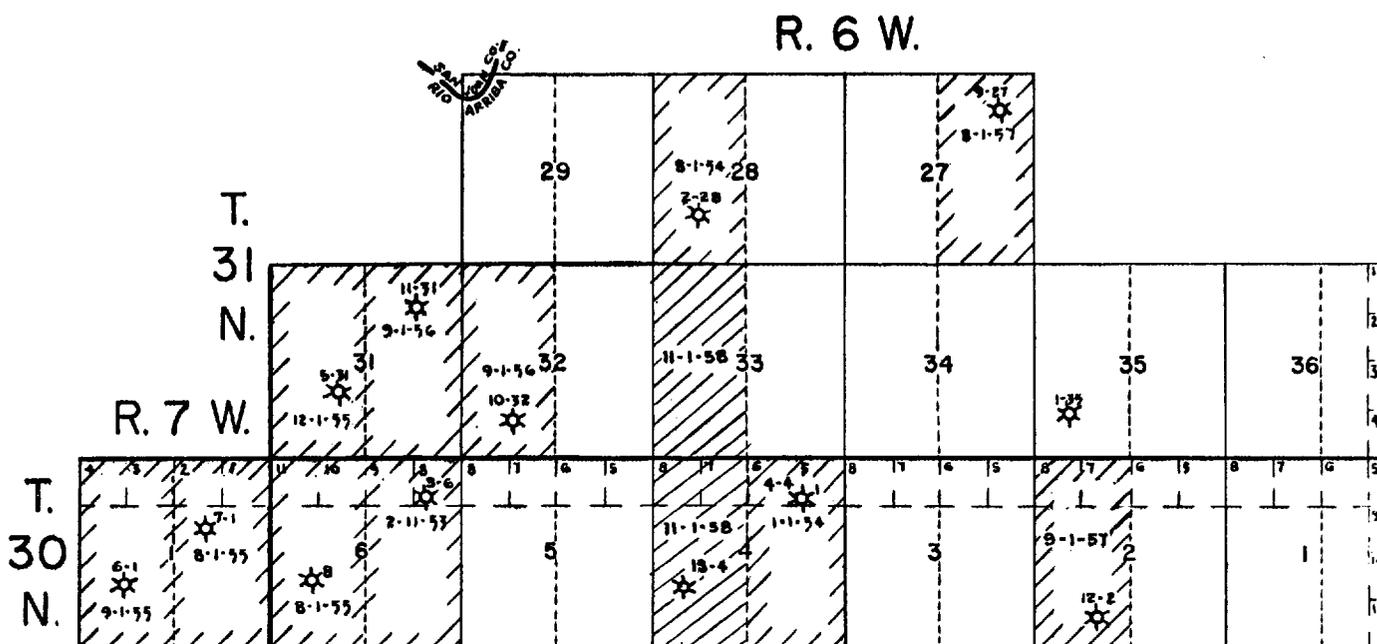


Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

EXHIBIT "A"



SAN JUAN 31-6 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

NINTH REVISION EFFECTIVE NOVEMBER 1, 1958

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

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

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH
MAIN OFFICE OCC
August 15, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

1958 AUG 15 AM 8:58

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

*File
copy
467*

Gentlemen:

Re: Plan of Development
San Juan 31-6 Unit
Rio Arriba County, New Mexico

Under date of December 4, 1957, Pacific Northwest Pipeline Corporation, as Operator of the referenced unit, submitted a Plan of Development for the referenced unit calling for the drilling of Mesaverde wells during 1958 on the following-listed drilling blocks:

- W/2 Section 5, Township 30 North, Range 6 West
- E/2 Section 2, Township 30 North, Range 6 West
- W/2 Section 4, Township 30 North, Range 6 West

The well scheduled for the W/2 Section 4, Township 30 North, Range 6 West, will be drilled in accordance with the plan submitted, but because of unforeseen circumstances Pacific has abandoned plans to develop the W/2 Section 5, Township 30 North, Range 6 West, and the E/2 Section 2, Township 30 North, Range 6 West, in which drilling blocks Pacific owns the entire Mesaverde working interest.

When the Plan of Development was formulated in late 1957, Pacific believed that additional sales of natural gas amounting to 100 million cubic feet per day, for which an application was then pending before the Federal Power Commission, would result in a substantially increased take of San Juan Basin gas, and that the drilling of all of the scheduled Mesaverde wells was necessary to augment the available supply. This proposed sale has not yet materialized.

Since formulation of the Plan it has been demonstrated that Pacific's established markets are much smaller than originally estimated. Abnormally warm weather during the past winter together with unforeseen adverse effects of the general business recession in sales territories have combined with failure to obtain expected new markets to further depress actual sales to a point substantially below forecasts.

Page 2

Re: San Juan 31-6 Unit
August 15, 1958

Altogether, these unfavorable sales factors have seriously affected Pacific's anticipated ability to move gas from the San Juan Basin, and have, in turn, reduced Pacific's operating income to a point requiring a corresponding reduction in drilling expenditures programed for 1958.

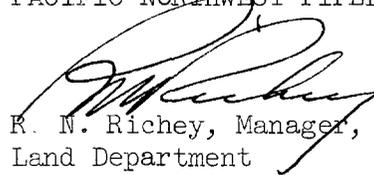
In an effort to balance production against sales, and income against expenditures, Pacific has completed a comprehensive review of all wells planned for drilling during the remainder of this year. This review shows that the drilling blocks described as the W/2 Section 5, Township 30 North, Range 6 West, and the E/2 Section 2, Township 30 North, Range 6 West, are among the lease economic of those originally planned for drilling this year and that neither well is required to fulfill an intervening drilling block obligation nor an offset well requirement. Illustrating that neither location can be relied upon to contribute a significant quantity of new production, there is attached a plat of the unit showing the location, potential test results, and recent average daily deliverability of the 11 unit wells presently completed in the Mesaverde formation, as well as the locations appearing on the 1958 Plan of Development.

It is to be noted that while large reserves are proved by past development, the effective rate of take per well is low both in relation to the amount of capital invested and in comparison to the deliverabilities of wells drilled in better located San Juan Basin units. Since the Mesaverde reservoir sands within this unit are not responding satisfactorily to presently known and available completion techniques, Pacific, as Unit Operator, believes that further Mesaverde exploration and development should proceed with caution and whenever possible should be combined with exploration and development of deeper horizons. In line with this thought, Pacific is cooperating with owners of deeper rights within the unit in order to obtain deeper exploration as soon as practicable. Wells projected to deeper horizons, according to present plans, will be considered for multiple zone completions. The substantial economic advantage accruing to all parties from multiple zone completions will, we believe, encourage more rapid development and exploration of the unit in all formations.

We are hopeful that the business recession in our sales territories will be short lived and that additional sales for which application will shortly be made to the Federal Power Commission will be authorized. In subsequent years realization of these hopes, together with consummation of arrangements for multiple zone operations, will, we believe, greatly improve the economic outlook for and stimulate development of the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



R. N. Richey, Manager,
Land Department

RNR: jc

Enc.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 3, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

All Working Interest Owners

Gentlemen:

Re: San Juan 31-6 Unit
1958 Plan of Development

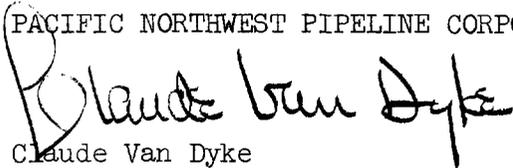
This is to advise that the 1958 Plan of Development for the San Juan 31-6 Unit has been approved as follows:

1. Supervisor, United States Geological Survey, March 12, 1958.
2. Commissioner of Public Lands, State of New Mexico, March 28, 1958.
3. Oil Conservation Commission, State of New Mexico, March 28, 1958.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 3, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

All Working Interest Owners

Gentlemen:

Re: San Juan 31-6 Unit
1958 Plan of Development

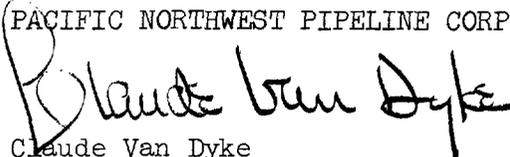
This is to advise that the 1958 Plan of Development for the San Juan 31-6 Unit has been approved as follows:

1. Supervisor, United States Geological Survey, March 12, 1958.
2. Commissioner of Public Lands, State of New Mexico, March 28, 1958.
3. Oil Conservation Commission, State of New Mexico, March 28, 1958.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD:jc

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

March 28, 1958

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

Re: San Juan 31-6 Unit Area
Rio Arriba County, New Mexico
1958 Plan of Development.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1958 Plan of Development for the San Juan 31-6 Unit Area, dated December 4, 1957, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is returned herewith.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/RLS/ga

Enclosure

C

O

P

Y

Case
467

In reply refer to:
Unit Division

March 18, 1958

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City, 10, Utah

Re: San Juan 31-6 Unit
1958 Plan of Development

Attention: Mr. R. N. Richey

Gentlemen:

In reference to your letter of February 26, 1958, in regard to an offset obligation in Section 36, Township 31 North, Range 6 West.

You state that due to the poor producing capacity of well No. 13-31, you do not consider it an offset to Section 36, Township 31 North, Range 6 West.

This office does not feel that the low capacity of a well is reason for not drilling an offset. Well No. 13-31 is considered a fairly good well and the fact that it has been producing since 1956, certainly has lowered the pressure and caused drainage of Section 36, Township 31 North, Range 6 West.

Very truly yours,

MURRAY E. MORGAN,
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MGR/s
cc:

Oil Conservation Commission
Santa Fe, New Mexico

United States Geological Survey
Roswell, New Mexico



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

March 12, 1958

Pacific Northwest Pipeline Corporation
P. O. Box 1326
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

Gentlemen:

Your plan of development dated December 4, 1957, for the San Juan 31-6 Unit Area, New Mexico, for the calendar year 1958, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

JAMES A. KNAUF
Acting Oil and Gas Supervisor

Enclosure

Copy to: Washington (w/copy of plan)
Farmington (w/copy of plan)
Comm. of Public Lands, Santa Fe (letter only)
Oil Cons. Comm., Santa Fe (letter only)

STATE LAND OFFICE

Santa Fe, New Mexico

In reply refer to:
Unit Division



MURRAY E. MORGAN
COMMISSIONER OF PUBLIC LANDS

March 5, 1958

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 31-6
Unit Agreement

Attention: Mr. A. L. Porter, Jr.
Secretary-Director

Dear Mr. Porter:

In considering the 1958 Plan of Development for the San Juan 31-6 Unit, we requested Pacific Northwest Pipeline Corporation, for a well in Section 36, Township 31-N, Range 6-W, as an offset to well No. 13-31, located in the NW/4 of Section 31, Township 31-N, Range 5-W. This request was made in accordance with the terms of the Unit Agreement.

Pacific Northwest Pipeline Corporation, state they do not consider well No. 13-31 an offset to Section 36, Township 31-N, Range 6-W, as the well is a poor producer.

In your opinion does an offset obligation exist in Section 36, Township 31-N, Range 6-W?

Very truly yours,

MURRAY E. MORGAN,
Commissioner of Public Lands

BY: *Ted Bilberry*

Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MMR/s

In reply refer to:
Unit Division

January 27, 1958

Pacific Northwest Pipeline Corporation
Salt Lake City 10, Utah

Re: San Juan 31-6
Unit Plan of Development
for 1958

Attention: R. N. Richey

Gentlemen:

We wish to call to your attention well No. 13-31, located in the W/2 of Section 31-31-N, 5-W, in the Rosa Unit Area. This well was completed May 1, 1956.

There has been an offset obligation due in Section 36, 31-N, 6-W, for over a year. May we hear from you concerning your intentions in regard to this offset well.

Very truly yours,

MURRAY E. MORGAN,
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MMR/s

cc:

Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

January 15, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

File 161

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 31-6 Unit No. 14-08-001-464
Rio Arriba County, New Mexico
Disposition of 1957 Plan of Development
Wells

Pacific Northwest Pipeline Corporation, as Unit Operator of San Juan 31-6 Unit, filed a Plan of Development for the calendar year 1957 on December 20, 1956. This Plan proposed the drilling of three (3) Mesaverde wells in the 31-6 Unit. This Plan was revised on February 15, 1957 by the substitution of a location in the SW/4 of Section 2, Township 30 North, Range 6 West for a location in the SW/4 of Section 5, Township 30 North, Range 6 West. This revised Plan of Development was approved by the United States Geological Survey on February 26, 1957, the Commissioner of Public Lands on February 1, 1957, and the Oil Conservation Commission on February 28, 1957.

The three (3) wells on the 1957 Plan of Development which were approved were completed as follows:

<u>Well Name</u>	<u>Location</u>	<u>Date Completed</u>	<u>I. P.</u>
# 12-2	SW/4 Section 2, T 30 N, R 6 W	8-12-57	3,329 MCF CAOF
# 11-31	NE/4 Section 31, T 31 N, R 6 W	9-3-57	4,461 MCF CAOF
# 9-27	NE/4 Section 27, T 31 N, R 6 W	7-9-57	2,963 MCF CAOF

Upon completion of the 1957 Plan of Development with its indicated results, Pacific as Unit Operator, in concurrence with the other Working Interest Owners in the Unit, prepared and submitted the 1958 Plan of Development for

San Juan 31-6 Unit
January 15, 1958
Page 2

approval by letter dated December 4, 1957. It is requested that this letter concerning the disposition of the 1957 Plan of Development be made a part of the December 4, 1957 submittal of the 1958 Plan of Development.

Copies of this letter are being sent to all Working Interest Owners in the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



R. N. Richey, Manager
Land Department

RNR:CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 4, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Director
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: San Juan 31-6 Unit No. 14-08-001-464
Rio Arriba County, New Mexico
PLAN OF DEVELOPMENT FOR CALENDAR YEAR 1958

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 10 of San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1958, to December 31, 1958:

<u>LOCATION</u>	<u>FORMATION</u>
W/2 Sec. 5, T 30 N, R 6 W	Mesaverde
E/2 Sec. 2, T 30 N, R 6 W	Mesaverde
W/2 Sec. 4, T 30 N, R 6 W	Mesaverde

The above wells will be drilled to intermediate casing point with conventional hydraulic rotary tools and the remainder of the hole will be drilled with gas tools. After running production casing through the Mesaverde, the gas sands will be selectively perforated and fraced.

In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, also plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the Working Interest Owners in the affected drilling blocks.

Page 2.

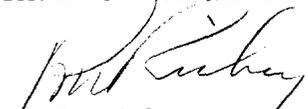
San Juan 31-6 Unit - Plan of Development 1958
December 4, 1957

If this drilling program is acceptable, please signify your approval, as required under Section 10 of the Unit Agreement, in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

Copies of this drilling program have been sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:mdc
Attachment

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED:  _____ DATE: 3/28/58
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

SAN JUAN 31-6 UNIT

WORKING INTEREST OWNERS

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: R. F. Rood

Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas

General American Oil Company of Texas
Meadows Building
Dallas 6, Texas
Attention: Mr. W. P. Barnes

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma
Attention: Mr. A. L. Cashman

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas
Attention: Mr. Sam Smith

Slick Oil Corporation
1030 Bank of the Southwest Building
Houston 2, Texas

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Pan American Petroleum Corporation
P. O. Box 1410
Fort Worth, Texas
Attention: Mr. E. V. Hewitt

File 407

PACIFIC NORTHWEST PIPELINE CORPORATION

MAIN OFFICE 000

SALT LAKE CITY, UTAH

October 14, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

1037 OCT 15 PM 1:05

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba County, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL
WELL

Gentlemen:

Pursuant to Section 11 (a) of San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesa-verde Formation has been completed upon acreage committed to this unit.

The well data is as follows:

SAN JUAN 31-6 MESAVERDE WELL #11-31

LOCATION:	1060' from East line and 1180' from North line of Section 31, T 31 N, R 6 W, N.M.P.M.
ELEVATION:	6207' (grd)
SPUD DATE:	June 23, 1957
CASING:	10 3/4" cemented at 230' with 200 sx 7 5/8" cemented at 3370' with 200 sx 5 1/2" cemented at 5620' with 200 sx
TOTAL DEPTH:	5620'
DRILLING METHODS:	Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

Page two
Well Completion
October 14, 1957

COMPLETION METHOD: Perforated 5 1/2" casing and aqua-fraced
(water only) Point Lookout intervals
from 5382' to 5518', Menefee intervals
from 5156' to 5348' and Cliff House
intervals from 5100' to 5142'.

TUBING: 1 1/4" hung at 5506'

COMPLETION TEST DATA

DATE: September 3, 1957

SHUT-IN-PERIOD: 9 days

FINAL SHUT-IN-PRESSURES: Tubing 1181 #
Casing 1180 #

RATE THROUGH TUBING AND
3/4" CHOKE AFTER 3 HOUR
BLOW DOWN: CAOF 4461 MCFGPD

San Juan 31-6 Mesaverde Well #11-31 is located upon the drilling block described as the E/2 of Section 31, Township 31 North, Range 6 West. This drilling block was included as an intervening drilling block in the Mesaverde Participating Area effective September 1, 1956. Therefore, the Mesaverde Participating Area is not enlarged and the present participation is as shown on Schedule IX for the Eighth Expanded Participating Area for the Mesaverde Formation, effective September 1, 1957.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD: jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

September 20, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

RS

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties,
New Mexico
EIGHTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: September 1, 1957

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Eighth Expansion is based is as follows:

SAN JUAN 31-6 MESAVERDE WELL #12-2 ✓

LOCATION:	800' from South line and 1650' from West line of Section 2, T 30 N, R 6 W, N.M.P.M.
ELEVATION:	6364' (grd)
SPUD DATE:	May 11, 1957
CASING:	10 3/4" cemented at 222' with 220 sx 7 5/8" cemented at 3530' with 150 sx 5 1/2" cemented at 5953' with 200 sx
TOTAL DEPTH:	5953'
DRILLING METHODS	Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

RECEIVED
SEP 21 1957
7:53
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Page two
Eighth Expansion - Mesaverde
San Juan 31-6 Unit
September 20, 1957

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced
Cliff House intervals from 5286' to 5302',
Menefee intervals from 5356' to 5550'
and Point Lookout intervals from 5576'
to 5758'

TUBING: 1 1/4" set at 5730'

COMPLETION TEST DATA

DATE: August 12, 1957

SHUT-IN-PERIOD: 46 days

FINAL SHUT-IN-PRESSURES: Tubing 917 #
Casing 915 #

RATE THROUGH TUBING AND
3/4" CHOKE AFTER 3 HOUR
BLOW DOWN: 3329 Mcfgpd CAOF

San Juan 31-6 Mesaverde Well #12-2 is located upon the drilling block described as the W/2 of Section 2, T 30 N, R 6 W, N.M.P.M. This drilling block containing 320.19 acres is hereby admitted to the participating area.

Attached is Schedule IX showing the 8th Expanded Participating Area for the Mesaverde Formation of San Juan 31-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 31-6 Unit, indicating the Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

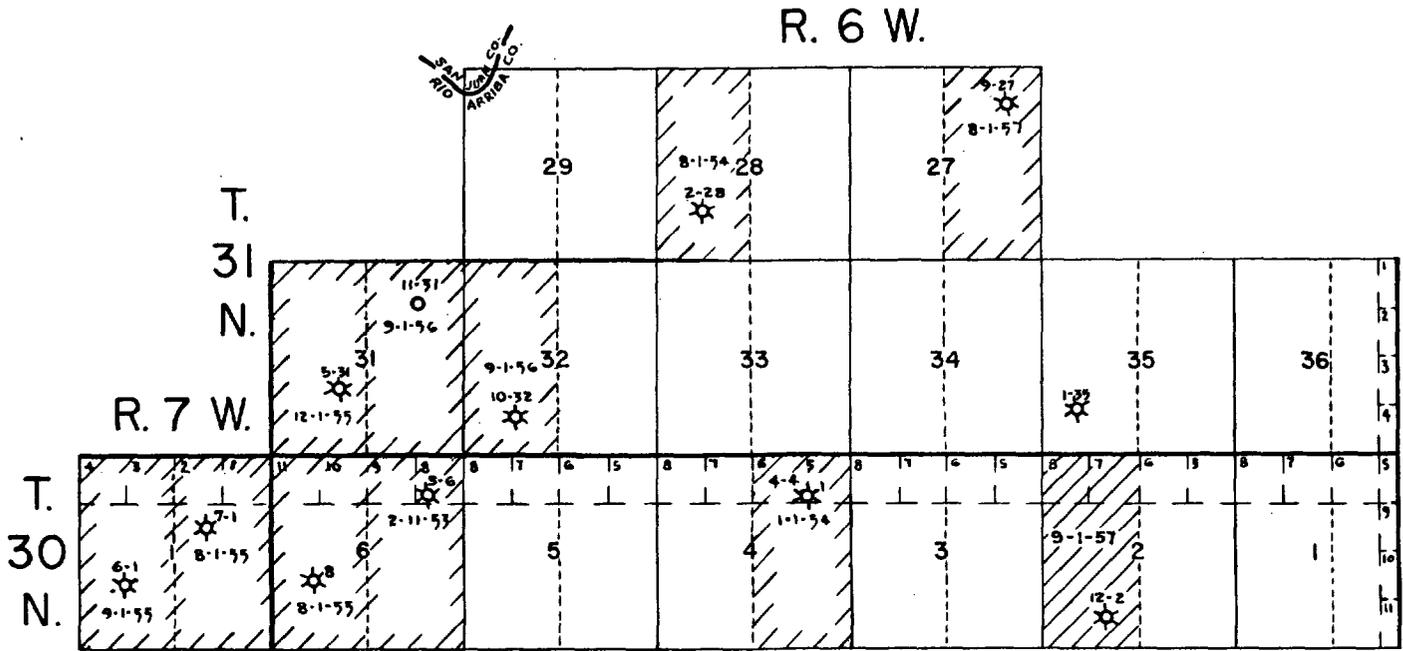


Claude Van Dyke
District Manager, Land Department

CVD:jc

Attachments

EXHIBIT "A"



SAN JUAN 31-6 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

EIGHTH REVISION EFFECTIVE SEPTEMBER 1, 1957

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

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

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

August 1, 1957

MAIN OFFICE OCC
1957 AUG 1 11 AM 8:47
REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Seventh Expansion is based is as follows:

SAN JUAN 31-6 MESAVERDE WELL # 9-27

LOCATION:	990' from North line and 990' from East line of Section 27 T 31 N, R 6 W, N.M.P.M.
ELEVATION:	6316' (grd)
SPUD DATE:	April 1, 1957
CASING:	10 3/4" cemented at 202.67' with 160 sx 7 5/8" cemented at 3610' with 200 sx 5 1/2" cemented at 5766' with 200 sx
TOTAL DEPTH:	5768'
DRILLING METHODS	Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

Re. San Juan 31-6 Unit # 14-08-001-464
~~San Juan~~ and Rio Arriba Counties,
New Mexico
SEVENTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: August 1, 1957

file 417

Page two
Seventh Expansion - Mesaverde
San Juan 31-6 Unit
August 1, 1957

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced
Point Lookout intervals from 5618' to
5690', and Aqua-fraced (water only)
Menefee interval from 5384' to 5566'.

TUBING: 1 1/4" hung at 5684'

COMPLETION TEST DATA

DATE: July 9, 1957

SHUT-IN-PERIOD: 8 days

FINAL SHUT-IN-PRESSURES: Tubing 1160 #
Casing 1160 #

RATE THROUGH TUBING AND
3/4" CHOKE AFTER 3 HOUR
BLOW DOWN: 2,963 Mcfgpd CAOF

San Juan 31-6 Mesaverde Well # 9-27 is located upon the drilling block described as the E/2 of Section 27, T 31 N, R 6 W, N.M.P.M. This drilling block containing 320 acres is hereby admitted to the participating area.

Attached is Schedule VIII showing the 7th Expanded Participating Area for the Mesaverde Formation of San Juan 31-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 31-6 Unit, indicating the Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD: jc

Attachments

U. S. CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 28, 1957

C
O
P
Y

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. Donald L. Anderson

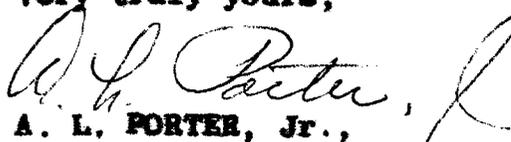
Re: San Juan 31-6 Unit
Rio Arriba and San Juan
Counties, New Mexico
Plan of Development
Calendar Year 1957

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1957 Plan of Development for the above-captioned unit area, dated February 15, 1957, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is returned herewith.

Very truly yours,


A. L. PORTER, Jr.,
Secretary-Director

ALP/DSH/ir

Enclosure

bcc: USGS - Roswell
Commissioner of Public Lands - Santa Fe

467

February 21, 1957

file

In reply refer to:
Unit Division

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Re: San Juan 31-6 Unit -
Plan of Development
Calendar Year 1957

Gentlemen:

We are enclosing one copy of the above designated Plan of Development, which was approved by the Commissioner of Public Lands February 21, 1957.

We wish to thank you for your consideration in this matter.

Very truly yours,

MURRAY E. MORGAN
Commissioner of Public Lands

By: Ted Bilberry, Supervisor
Oil and Gas Department

MEM:MNR/m

cc: OCC-Santa Fe
USGS-Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

February 15, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

6700
Re: San Juan 31-6 Unit
Rio Arriba and San Juan
Counties, New Mexico
Plan of Development
Calendar Year 1957

Gentlemen:

The Commissioner of Public Lands of the State of New Mexico has requested that the 1957 Plan of Development for the San Juan 31-6 Unit be altered to include development of State lands.

We have, therefore, deleted the well previously scheduled for the W/2 Section 5, Township 30 North, Range 6 West, and added a well to be located in the W/2 Section 2, Township 30 North, Range 6 West. The working interest in both of these drilling blocks is owned 100% by Pacific Northwest Pipeline Corporation.

Will you please accept the attached substitute 1957 Plan of Development and destroy the 1957 Plan of Development previously submitted under date of December 20, 1956.

Copies of this letter and attachment are being sent to all Working Interest Owners in the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Donald L. Anderson
District Manager, Land Department

DLA:mdc
Encl.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

February 15, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: San Juan 31-6 Unit
Rio Arriba and San Juan
Counties, New Mexico
Plan of Development
Calendar Year 1957

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 10 of San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1957 to December 31, 1957:

<u>LOCATION</u>	<u>FORMATION</u>
W/2 Sec. 2, T 30 N, R 6 W	Mesaverde
E/2 Sec. 31, T 31 N, R 6 W	Mesaverde
E/2 Sec. 27, T 31 N, R 6 W	Mesaverde

The above wells will be drilled to intermediate casing point with conventional hydraulic rotary tools and the pay section will be drilled with gas tools. After running production casing through the Mesaverde, the gas sands will be perforated and fraced.

In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, also plans to drill any offset wells required to prevent drainage of unitized substances.

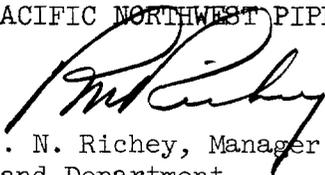
If this drilling program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

Page 2.
Re: San Juan 31-6 Unit
February 15, 1957

Copies of this drilling program are being sent to all Working Interest Owners in the San Juan 31-6 Unit.

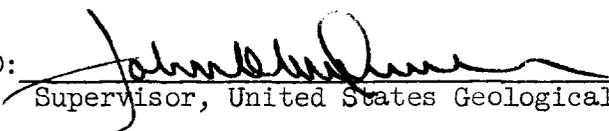
Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:DLA:mdc

APPROVED:


Supervisor, United States Geological Survey

DATE: FEB 26 1957

Subject to like approval by the appropriate State officials.

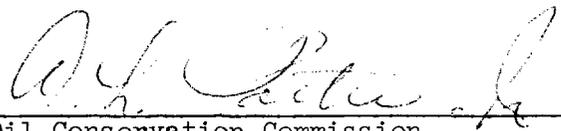
APPROVED:

Commissioner of Public Lands

DATE:

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED:


Oil Conservation Commission

DATE:

2-22-57

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

467

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 3, 1956

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL WELL.

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

file

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 11 (a) of San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit.

The well data is as follows:

SAN JUAN 31-6 MESAVERDE WELL #8-6

LOCATION:	1800' from South line and 1150' from West line of Section 6, T 30 N, R 6 W, N.M.P.M.
ELEVATION:	6299' (grd.)
SPUD DATE:	August 18, 1956
CASING:	10 3/4" cemented at 173' with 135 sx 7 5/8" cemented at 3400' with 250 sx 5 1/2" cemented at 5685' with 300 sx
TOTAL DEPTH:	5687'
DRILLING METHODS:	Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

Page 2.
San Juan 31-6 Unit
December 3, 1956.

COMPLETION METHOD: Perforated 5 1/2" casing and aqua-fraced (with sand) Lower Point Lookout intervals from 5550' to 5622' and Upper Point Lookout intervals from 5458' to 5508' and Menefee intervals from 5140' to 5248'.

TUBING: 2" hung at 5623'

COMPLETION TEST DATA

DATE: September 19, 1956

SHUT-IN-PERIOD: 8 days

FINAL SHUT-IN-PRESSURES: Tubing 1089 #
Casing 1085 #

RATE THROUGH TUBING AND 3/4" CHOKE AFTER 3 HOUR BLOW DOWN: 4950 Mcfgpd; CAOF 9974 Mcfgpd.

San Juan 31-6 Mesaverde Well #8-6 is located upon the drilling block described as the W/2 of Section 6, Township 30 North, Range 6 West. This drilling block was included as an intervening drilling block in the Mesaverde Participating Area effective August 1, 1955. Therefore, the Mesaverde Participating Area is not enlarged and the present participation is as shown on Schedule VII for the Sixth Expanded Participating Area for the Mesaverde Formation, effective September 1, 1956.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Donald L. Anderson
District Manager, Land Department

DLA:mdc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

October 15, 1956

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

*copy
4/6/57*

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

file
Re: San Juan 31-6 Unit
1956 Plan of Development

Gentlemen:

The 1956 Plan of Development for the referenced unit provided for the drilling of the wells which, with current status shown, are listed below:

Location	Well No.	Objection Formation	Completion Date	Well Test		Present Status
				3 Hr. IP Thru 3/4" Choke	CAOP	
W/2 Sec. 6-30N-6W	8-6	MV	9-19-56	4,950Mcf	9,974Mcf	Shut In
E/2 Sec. 27-31N-6W	9-27	MV	-	-	-	Not Drilled
W/2 Sec. 32-31N-6W	10-32	MV	8-27-56	2,341Mcf	3,077Mcf	Shut In

Additional demands for new construction together with generally increased costs, both unforeseen at the time of drafting the Plan of Development, have compelled us to reallocate funds under our 1956 capital budget and have resulted in a material reduction in monies allocated for fourth quarter drilling operations. The well above scheduled for the W/2 Sec. 27, Township 31 North, Range 6 West is situated on leases wholly owned by Pacific and, if drilled would be at Pacific's sole cost and expense. Because of the forced reallocation of funds, we will be unable to drill this well as scheduled; and we must, therefore, delete it from the 1956 Plan of Development.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

R. N. Richey
R. N. RICHEY, Manager
Land Department

RNR:DLA:mb

467

PACIFIC NORTHWEST PIPELINE CORPORATION
MAIN OFFICE 000
SALT LAKE CITY, UTAH

RECEIVED 7:58 September 14, 1956

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties,
New Mexico

SIXTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION

Effective: September 1, 1956

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

file

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Sixth Expansion is based is as follows:

SAN JUAN 31-6 MESAVERDE WELL #10-32

LOCATION:	1540' from West line and 930' from South line of Section 32, T 31 N, R 6 W, N.M.P.M.
ELEVATION:	6,451.7' (grd.)
SPUD DATE:	May 21, 1956
CASING:	9 5/8" cemented at 214' with 150 sx 7" cemented at 3622' with 200 sx 5" cemented at 5854' with 200 sx
TOTAL DEPTH:	5854'
DRILLING METHODS:	Drilled with mud to 7" casing point; drilled with gas from 7" casing point to total depth.

September 14, 1956

COMPLETION METHOD: Perforated 5" casing. Aqua-fraced Lower Point Lookout intervals from 5754' to 5838', Upper Point Lookout intervals from 5662' to 5738' and Aqua-fraced (water only) Menefee and Cliff House intervals from 5350' to 5450'.

TUBING: 2" hung at 5777'

COMPLETION TEST DATA

DATE: August 27, 1956

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-PRESSURES: Tubing 1041 #
Casing 1024 #

RATE THROUGH TUBING AND
3/4" CHOKE AFTER 3 HOUR
BLOW DOWN: 2,341 Mcfgpd (CAOF 3,077 Mcfgpd)

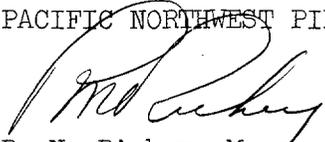
San Juan 31-6 Mesaverde Well #10-32 is located upon the drilling block described as the W/2 of Sec. 32, T 31 N, R 6 W, N.M.P.M. This drilling lock is hereby admitted to the participating area. In addition an intervening drilling block described as the E/2 of Section 31, Township 31 North, Range 6 West, is created by the completion of San Juan 31-6 Unit Mesaverde Well #10-32 and the previous completion of San Juan 31-6 Unit Mesaverde Well #5-31 located upon the drilling block described as the W/2 of Section 31, Township 31 North, Range 6 West. This intervening drilling block is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Section 11 of the San Juan 31-6 Unit Agreement.

Attached is Schedule VII showing the Sixth Expanded Participating Area for the Mesaverde Formation of San Juan 31-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all working interest owners within San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

February 8, 1956

Pacific Northwest Pipeline Corporation
Sims Building
Albuquerque, New Mexico

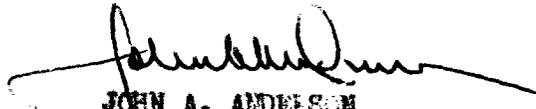
Attention: Mr. R. N. Richey

Gentlemen:

Your plan of development dated December 9, 1955, for the San Juan XI-6 Unit Area, New Mexico, for the calendar year 1956, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/copy of plan)
Farmington (w/copy of plan)
Comm. of Public Lands, Santa Fe (letter only)
✓ All Com. Comm., Santa Fe (letter only)

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

467

January 5, 1955

file

Pacific Northwest Pipeline Corporation
Simms Building
Albuquerque, New Mexico

Attention: Mr. R. N. Richey

Re: (San Juan 31-6 Unit Area)
Rio Arriba County, New Mexico
1956 Plan of Development

Gentlemen:

This is to advise that the 1956 Plan of Development for the San Juan 31-6 Unit Area, dated December 9, 1955, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey, and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: U. S. Geological Survey, Roswell
Commissioner of Public Lands, Santa Fe

C
O
P
Y

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

467

January 5, 1955

Pacific Northwest Pipeline Corporation
Simms Building
Albuquerque, New Mexico

Attention: Mr. R. N. Richey

file
Re: (San Juan 31-6 Unit Area)
Rio Arriba County, New Mexico
1956 Plan of Development

Gentlemen:

This is to advise that the 1956 Plan of Development for the San Juan 31-6 Unit Area, dated December 9, 1955, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey, and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: U. S. Geological Survey, Roswell
Commissioner of Public Lands, Santa Fe

C
O
P
Y

*Copy
11/6/55*

December 29, 1955

file

Pacific Northwest Pipeline Corporation
Simms Building
Albuquerque, New Mexico

Re: (San Juan 31-6 Unit Area,
Rio Arriba and San Juan
Counties, New Mexico.
PLAN OF DEVELOPMENT FOR
CALENDAR YEAR 1956.

Gentlemen:

We are enclosing one copy of the Plan of Development for Calendar Year 1956 for the San Juan 31-6 Unit Area, Rio Arriba and San Juan Counties, New Mexico, which was approved by the Commissioner of Public Lands December 28, 1955, subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Commission.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

MMR/m
enc: 1

cc: USGS-Roswell
OCC-Santa Fe

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

December 9, 1955

Re: San Juan 31-6 Unit Area,
Rio Arriba and San Juan
Counties, New Mexico.
PLAN OF DEVELOPMENT FOR
CALENDAR YEAR 1956.

Director,
United States Geological Survey
Department of the Interior
Roswell, New Mexico.

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Gentlemen:

Pursuant to Section 10 of San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1956 to December 31, 1956:

<u>LOCATION</u>	<u>FORMATION</u>
W $\frac{1}{2}$ Sec. 6, T 30N, R 6W	Mesaverde
E $\frac{1}{2}$ Sec. 27, T 31N, R 6W	Mesaverde
W $\frac{1}{2}$ Sec. 32, T 31N, R 6W	Mesaverde.

The above wells will be drilled to intermediate casing point with conventional hydraulic rotary tools and the pay section will be drilled with gas tools. After running production casing through the Mesaverde, the gas sands will be selectively perforated and fraced.

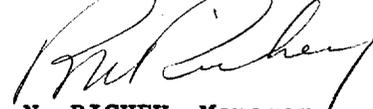
In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, also plans to drill any offset wells required to prevent drainage of unitized substances.

If this drilling program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

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

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



R. N. RICHEY, Manager,
Land Department.

RNR:DNC:gm

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: W B Macey DATE: JAN 5 1956
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

SAN JUAN 31-6 UNIT

WORKING INTEREST OWNERS

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma.
Attention: Mr. G. E. Benskin.

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas.
Attention: Mr. R. L. Hamblin.

Delhi-Taylor Oil Corporation
823 Corrigan Tower
Dallas 1, Texas.

General American Oil Company of Texas.
Meadows Building
Dallas 6, Texas.
Attention: Mr. W. P. Barnes.

Slick Oil Company, Ltd.
516 Melrose Building
Houston, Texas.

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia.
Attention: Mr. Paul W. Neuenschwander

Skelly Oil Company
Skelly Building
Tulsa, Oklahoma.
Attention: Mr. A. L. Cashman.

Stanolind Oil and Gas Company
Oil and Gas Building
Fort Worth, Texas.
Attention: Mr. C. F. Bedford.

467

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

December 5, 1955

Regional Oil and Gas Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
San Juan and Rio Arriba Counties,
New Mexico

FIFTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION

Effective: December 1, 1955

Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

file

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Fifth Expansion is based is as follows:

SAN JUAN 31-6 MESAVERDE WELL #5-31

LOCATION:	1650' from West line and 1725' from South line of Section 31, T 31 N, R 6 W, N.M.P.M.
ELEVATION:	6,201.3' (grd.)
SPUD DATE:	September 21, 1955
CASING:	10 3/4" cemented at 213' with 160 sx 7 5/8" cemented at 3247' with 180 sx 5 1/2" cemented at 5569' with 125 sx
TOTAL DEPTH:	5569'

Page Two.
Fifth Expansion - Mesaverde
San Juan 31-6 Unit

December 5, 1955

DRILLING METHODS: Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced Cliff House intervals from 5060' to 5134', Upper Menefee intervals from 5154' to 5260', Lower Menefee intervals from 5292' to 5388', Point Lookout intervals from 5404' to 5563'.

TUBING: 2" hung at 5539'

COMPLETION TEST DATA

DATE: November 2, 1955

SHUT-IN-PERIOD: 11 days

FINAL SHUT-IN-PRESSURES: Tubing 1030 #
Casing 1056 #

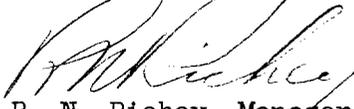
RATE BY 3 HOUR
OPEN FLOW TEST: 3,897 Mcfgpd

San Juan 31-6 Mesaverde Well #5-31 is located upon the drilling block described as the W/2 of Sec. 31, T 31 N, R 6 W, N.M.P.M. This drilling block is hereby admitted to the participating area. Attached is Schedule VI showing the Fifth Expanded Participating Area for the Mesaverde Formation of San Juan 31-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all working interest owners within San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

DLA:jce
Enclosure

UNITED PRODUCTION MANAGEMENT
San Juan 31-6 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK AND PERCENTAGE OWNERSHIP</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>	
N.M. 012735	<u>T 30 N, R 6 W</u> Sec. 6: Lots 8, 9, S/2 NE/4, SE/4	319.55	<u>TRACT 5</u> Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	14,277,098 %
San Juan 31-6 Mesaverde Well <u>#3-6</u>	<u>Sec. 6: E/2</u>	<u>319.55</u>	<u>TRACT 5</u>	<u>100.00 %</u>	<u>14,277,098 %</u>	
SF 079002	<u>T 30 N, R 6 W</u> Sec. 6: Lots 10, 11 S/2 NW/4, SW/4	319.85	Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	14,290,501 %
<u>No Well</u>	<u>Sec. 6: W/2</u>	<u>319.85</u>		<u>100.00 %</u>	<u>14,290,501 %</u>	

Fifth Expansion - Mesaverde
San Juan 31-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE OWNERSHIP	COMPLETED	PRESENT ACTUAL PARTICIPATION
SP 079012	T 30 N, R 6 W Sec. 4: Lots 5, 6, S/2 NE/4, SE/4	320.00	Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %
					14.297203 %
	<u>TRACT 6</u>				
San Juan 31-6 Mesaverde Well #4-4	Sec. 4: E/2	320.00			100.00 %
					14.297203 %
	<u>TRACT 3</u>				
SW 079000	T 30 N, R 7 W Sec. 1: Lots 7 & 8, S/2 NW/4, SW/4	319.10	Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.: TOTAL	84.00 % 12.50 % 3.50 % 100.00 %	84.00 % 12.50 % 3.50 % 100.00 %
					14.256992 %
San Juan 31-6 Mesaverde Well #6-1	Sec. 1: W/2	319.10			100.00 %
					14.256992 %

San Juan 31-6 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
----------------------	-----------------------	------------------------	--	------------------	-------------------------------------

TRACT 1

SF 078995	T 31 N, R 6 W Sec. 31: W/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	14.297203 %
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San Juan 31-6 Mesaverde Well <u>#5-31</u>	Sec. 31: W/2	<u>320.00</u>			<u>100.00 %</u>	<u><u>14.297203 %</u></u>
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SCHEDULE VI
 FIFTH EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION
 SAN JUAN 31-6 UNIT
 EFFECTIVE: DECEMBER 1, 1955

RECAPITULATION

Description of lands in Participating Area:

Township 31 North, Range 6 West, N.M.P.M.

Sec. 28: W/2
 Sec. 31: W/2

Township 30 North, Range 6 West, N.M.P.M.

Sec. 4: Lots 5, 6, S/2 NE/4, SE/4
 Sec. 6: Lots 8, 9, 10, 11, S/2 N/2, S/2

Township 30 North, Range 7 West, N.M.P.M.

Sec. 1: Lots 5, 6, 7, 8, S/2 W/2, S/2

Total number of acres in Participating Area: 2,238.20

Percentage of Working Interest Committed:	100.00 %
Percentage of Basic Royalty Interest Committed:	100.00 %
Percentage of O.R.R.I. Committed:	100.00 %

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

October 7, 1955

Re: (San Juan 31-6 Unit, #14-08-001-464
San Juan and Rio Arriba Counties,
New Mexico
FOURTH EXPANDED PARTICIPATING
AREA FOR THE MESAVERDE FORMATION
Effective September 1, 1955

Regional Oil and Gas Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded. The well data upon which this fourth expansion is based is as follows:

San Juan 31-6 Mesaverde Well #6-1

LOCATION:	990' from west line and 1660' from south line of Sec. 1, T 30 N, R 7 W, N.M.P.M.
ELEVATION:	6568' (df.)
SPUD DATE:	July 9, 1955
CASING:	9 5/8" cemented at 171' with 125 sx 7" cemented at 5225' with 500 sx
TOTAL DEPTH:	5925'
DRILLING METHODS:	Conventional rotary to casing; drilled with gas below 7" casing.

#467

October 7, 1955

COMPLETION METHOD: Sand-oil fraced Cliff House interval from 5225' to 5485' and Point Lookout interval from 5585' to 5925'

TUBING: 2" hung at 5884'

COMPLETION TEST DATA

DATE: August 11, 1955

SHUT-IN PERIOD: 8 days

FINAL SHUT-IN PRESSURES: Tubing 1112#
Casing 1108#

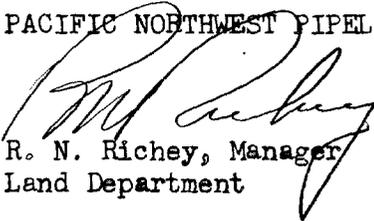
RATE BY 3 HOUR OPEN FLOW TEST: 3132 Mcfgpd; 76# WP on tubing

San Juan 31-6 Mesaverde well #6-1 is located upon the drilling block described as the W $\frac{1}{2}$ of Sec. 1, T 30 N, R 7 W, N.M.P.M. and is hereby admitted to the participating area. Attached is Schedule V showing the Fourth Expanded Participating Area for the Mesaverde Formation of San Juan 31-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and schedule are being sent to all working interest owners within San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

DLA:jce
Enclosure

SCHEDULE V
FOURTH EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION
SAN JUAN 31-6 UNIT AREA
EFFECTIVE SEPTEMBER 1, 1955

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE		COMMITTED	PRESENT ACTUAL PARTICIPATION	
			TRACT #	PERCENTAGE			
SF 078995	T-31N, R-6W Sec. 28: W $\frac{1}{2}$	320.00	TRACT #1	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:	82.50% 12.50% <u>5.00%</u> 100.00%	82.50% 12.50% <u>5.00%</u> 100.00%	16.682306%
San Juan 31-6 Mesa Well #2-28	Sec. 28: W $\frac{1}{2}$	<u>320.00</u>	TRACT #4	Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.:	67.00% 12.50% <u>20.50%</u> 100.00%	67.00% 12.50% <u>20.50%</u> 100.00%	16.666667%
SF 079000-A	T-30N, R-7W Sec. 1: Lots 5 & 6, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$	319.70	TRACT #5	Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.:	82.50% 12.50% <u>5.00%</u> 100.00%	82.50% 12.50% <u>5.00%</u> 100.00%	16.658847%
San Juan 31-6 Mesa Well #7-1	Sec. 1: E $\frac{1}{2}$	<u>319.70</u>					
N.M. 012735	T-30N, R-6W Sec. 6: Lots 8, 9, S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$	319.55					
San Juan 31-6 Mesa Well #3-6	Sec. 6: E $\frac{1}{2}$	<u>319.55</u>					

Drirth Expansion - Effective September 1, 1955
San Juan 31-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 079002	T-30N, R-6W Sec. 6: Lots 10, 11, S½NW¼, SW¼	319.85	Working Interest:		16.674487%
			El Paso Natural Gas Company:	82.50%	
			Royalty:	12.50%	
			O.R.R.I.:	5.00%	
			TOTAL	100.00%	
TRACT #5					
No Well	Sec. 6: W½	319.85	Working Interest:		16.674487%
			El Paso Natural Gas Company:	82.50%	
			Royalty:	12.50%	
			O.R.R.I.:	5.00%	
			TOTAL	100.00%	
TRACT #6					
SF 079012	T-30N, R-6W Sec. 4: Lots 5, 6, S½NE¼, SE¼	320.00	Working Interest:		16.682306%
			El Paso Natural Gas Company:	82.50%	
			Royalty:	12.50%	
			O.R.R.I.:	5.00%	
			TOTAL	100.00%	
TRACT #3					
San Juan 31-6 Mesa Well #4-4	Sec. 4: E½	320.00	Working Interest:		16.682306%
			El Paso Natural Gas Company:	84.00%	
			Royalty:	12.50%	
			O.R.R.I.:	3.50%	
			TOTAL	100.00%	
TRACT #3					
SF 079000	T-30N, R-7W Sec. 1: Lots 7 & 8, S½NW¼, SW¼	319.10	Working Interest:		16.635387%
			El Paso Natural Gas Company:	84.00%	
			Royalty:	12.50%	
			O.R.R.I.:	3.50%	
			TOTAL	100.00%	
TRACT #3					
San Juan 31-6 Mesa Well #6-1	Sec. 1: W½	319.10	Working Interest:		16.635387%
			El Paso Natural Gas Company:	84.00%	
			Royalty:	12.50%	
			O.R.R.I.:	3.50%	
			TOTAL	100.00%	

SCHEDULE V
 FOURTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT
 EFFECTIVE SEPTEMBER 1, 1955

RECAPITULATION

Description of lands in Participating Area:

NEW MEXICO PRINCIPAL MERIDIAN

Township 31 North, Range 6 West,

Sec. 28: W $\frac{1}{2}$

Township 30 North, Range 6 West,

Sec. 4: Lots 5, 6, S $\frac{1}{2}$ N $\frac{1}{4}$, SE $\frac{1}{4}$

Sec. 6: Lots 8, 9, 10, 11, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$

Township 30 North, Range 7 West,

Sec. 1: Lots 5, 6, 7, 8, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$

Total number of acres in Participating Area:	1,918.20
Percentage of Working Interest Committed:	100.00%
Percentage of Basic Royalty Interest Committed:	100.00%
Percentage of O.R.R.I. Committed:	100.00%

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

file

August 13, 1955

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico.

Re: (San Juan 31-6 Unit)
Rio Arriba County,
New Mexico
THIRD EXPANDED PARTICI-
PATING AREA FOR THE
MESAVERDE FORMATION
Effective August 1, 1955.

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Gentlemen:

Pursuant to Section 11(a) of the San Juan 31-6 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that a fourth well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon the acreage committed to this unit and that the participating area for the Mesaverde Formation is accordingly expanded. The well data upon which this third revision is based is as follows:

SAN JUAN 31-6 MESAVERDE WELL #7-1

LOCATION: 1800' from east line and 1800' from north line of Sec. 1 T 30N-R 7W. N.M.P.M.

SPUD DATE: June 4, 1955

CASING: 9 5/8" cemented at 171' and 7" cemented at 5,080'.

TOTAL DEPTH: 5,825'

DRILLING METHODS: Conventional rotary to total depth;

COMPLETION METHOD: Sand-oil fraced Cliff House interval 5,082' to 5,265' with 17,500 gallons of diesel oil with 15,000 pounds of sand. Sand-oil fraced Point Lookout interval 5,353' to 5,825' with 14,800 gallons of diesel oil with 14,000 pounds sand.

Third Revision - Mesaverde
San Juan 31-6 Unit.

-2-

August 16, 1955

TUBING: 2" set at 5,807'.

COMPLETION TEST DATA

DATE: July 19, 1955

SHUT-IN PERIOD: 7 days

FINAL SHUT-IN Tubing 914#
PRESSURES: Casing 1,080#

RATE BY PITOT TUBE
AFTER 3 HOUR BLOW
DOWN: 3,669 Mcfgpd.

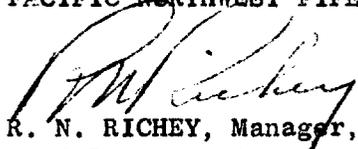
The drilling block upon which this well is located is described as the E/2 Sec. 1 T 30N R 7W. By the completion of Well No. 7-1 and the earlier completion of Well No. 3-6, an intervening drilling block is created described as W/2 Sec. 6 T 30N R 3W, N.M.P.M. and is hereby admitted to the Mesaverde Participating Area for San Juan 31-6 Unit effective as of August 1, 1955.

We attach hereto Schedule IV showing the Third Expanded Participating Area for the Mesaverde Formation of the San Juan 31-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and schedule have been sent to all working interest owners within San Juan 31-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. RICHEY, Manager,
Land Department

DNC:gm

SCHEDULE IV
 THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT AREA

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE		COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 0783995	T 31N-R 6W Sec. 28: W/2	320.00	TRACT # 1		82.50% 12.50% 5.00% 100.00%	20.011256%
			Working Interest Pacific Northwest Pipeline Corp.	82.50%		
			Royalty:	12.50%		
			O. R. R. I.:	5.00%		
			TOTAL	100.00%	100.00%	
San Juan 31-6 Mesa Well #2-28	Sec. 28: W/2	320.00	TRACT # 4		100.00%	20.011256%
			Working Interest: El Paso Natural Gas Company	67.00%		
			Royalty:	12.50%		
			O. R. R. I.:	20.50%		
			TOTAL	100.00%	100.00%	
SF 079000-4	T 30N - R 7W Sec. 1: Lots 5 & 3, S/2 NE/4, SE/4	319.70	TRACT # 5		82.50% 12.50% 5.00% 100.00%	19.983113%
			Working Interest: El Paso Natural Gas Company	82.50%		
			Royalty:	12.50%		
			O. R. R. I.:	5.00%		
			TOTAL	100.00%	100.00%	
San Juan 31-6 Mesa Well #7-1	Sec. 1: E/2	319.70	TRACT # 5		82.50% 12.50% 5.00% 100.00%	19.983113%
			Working Interest: El Paso Natural Gas Company	82.50%		
			Royalty:	12.50%		
			O. R. R. I.:	5.00%		
			TOTAL	100.00%	100.00%	
SF 0790002	T 30N - R 6W Sec. 3: Lots 8, 9, S/2 NE/4, SE/4	319.55	TRACT # 5		82.50% 12.50% 5.00% 100.00%	19.983113%
			Working Interest: El Paso Natural Gas Company	82.50%		
			Royalty:	12.50%		
			O. R. R. I.:	5.00%		
			TOTAL	100.00%	100.00%	
San Juan 31-6 Mesa Well #3-6	Sec. 6: E/2	319.55	TRACT # 5		82.50% 12.50% 5.00% 100.00%	19.983113%
			Working Interest: El Paso Natural Gas Company	82.50%		
			Royalty:	12.50%		
			O. R. R. I.:	5.00%		
			TOTAL	100.00%	100.00%	

Effective August 1, 1955

DNC:gm

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND TRACT #5</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 079002	T 30N - R 3W Sec. 3: Lots 10, 11, S/2 NW/4, SW/4	319.85	Working Interest: El Paso Natural Gas Company Royalty: O. R. R. I.:	82.50% 12.50% 5.00% TOTAL 100.00%	82.50% 12.50% 5.00% 100.00%	20.001876%
No Well	Sec. 3: W/2	319.85			100.00%	20.001873%
SF 079012	T 30N - R 3W Sec. 4: Lots 5, 3, S/2 NE/4, SE/4	320.00	Working Interest: El Paso Natural Gas Company: Royalty: O.R.R.I.:	82.50% 12.50% 5.00% TOTAL 100.00%	82.50% 12.50% 5.00% 100.00%	20.011253%
San Juan 31-6 Mesa Well #4-4	Sec. 4: E/2	320.00			100.00%	20.011253%

SCHEDULE IV
 THIRD EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT

RECAPITULATION

Description of lands in Participating Area:

NEW MEXICO PRINCIPAL MERIDIAN

Township 31 North, Range 6 West,

Sec. 28: $\frac{W}{2}$

Township 30 North, Range 6 West,

Sec. 4: Lots 5,6, S/2 NE/4, SE/4

Sec. 6: Lots 8,9,10,11, S/2 N/2, S/2

Township 30 North, Range 7 West,

Sec. 1: Lots 5,6, S/2 NE/4, SE/4

Total number of acres in Participating Area:	1.539.10 acres
Percentage of Working Interest Committed:	100.00%
Percentage of Basic Royalty Interest Committed:	100.00%
Percentage of O.R.R.I. Committed:	100.00%

Paul
8/15/55

file

(Revision #2 8-2-55)

EXHIBIT "B" SAN JUAN UNIT 31-6 RIO ARRIBA COUNTY, NEW MEXICO

Page 1

Tract No. Description Number of Acres Number and Term of Lease Basic Royalty and Percentage Lessee of Record Working Interest and Percentage

1 T 31N - R 6W 1920.00 Santa Fe U.S.A. Pacific Northwest Total ORRI Committed 5.0% To Base of Mesaverde
Sec. 28: All 078935 2/1/49 Pipeline Corporation Formation
Sec. 29: All 2/1/49 Pipeline Corporation Pacific Northwest
Sec. 31: All 5 Yrs. 5 Yrs. Pipeline Corp. All*
Below Base of Mesa-
verde Formation
Phillips Petroleum
Company - All

2 T 31N - R 6W 2560.00 Santa Fe U.S.A. Pacific Northwest Total ORRI Committed 5.0% To Base of Mesaverde
Sec. 27: All 078999 1/1/49 Pipeline Corporation Formation
Sec. 33: All 1/1/49 Pipeline Corp. All*
Sec. 34: All 5 Yrs. Below Base of Mesaverde
Sec. 35: All Formation
Phillips Petroleum
Company - All

3 T 30N - R 7W 319.10 Santa Fe U.S.A. Ben R. Howell Total ORRI Committed 3.5% El Paso Natural Gas
Sec. 1: Lot 7 & 8 079000 5/1/48 5 Yrs. 12 1/2% All Company****
S 1/2 NW 1/4, SW 1/4

4 T 30N - R 7W 319.70 Santa Fe U.S.A. P. M. McCulley Total ORRI Committed 20.5% To Base of Mesaverde
Sec. 1: Lots 5 & 6 079000-A 5/1/48 5 Yrs. 12% All Formation
S 1/2 NE 1/4, SE 1/4
Gas Rights:
El Paso Natural Gas
Company - All
Oil Rights:
Delhi Oil Corporation and
Taylor Oil Company - All
Below Base of Mesaverde
Formation
Delhi Oil Corporation and
Taylor Oil Company - All

Delhi Oil Corporation and
Taylor Oil Company - All

Tract No.	Descriptor	Number of Acres.	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
5	T 30N - R 6W Sec. 6: All	639.40	Santa Fe 079002 5/1/48 5 Yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Mike Abraham $\frac{1}{2}$ Gordon Simpson $\frac{1}{2}$	Total ORRI Committed 5.0%	Oil Rights - All - General American Oil Company of Texas Gas Rights - All - El Paso Natural Gas Company
6	T 30N - R 6W Sec. 4: All	639.84	Santa Fe 079012 2/1/48 5 Yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Mike Abraham $\frac{1}{2}$ Gordon Simpson $\frac{1}{2}$	Total ORRI Committed 5.0%	Oil Rights - All - General American Oil Company of Texas Gas Rights - All - El Paso Natural Gas Company
7	T 30N - R 6W Sec. 1: Lots 7 & 8, S $\frac{1}{2}$ NW $\frac{1}{4}$	159.69	Santa Fe 079401 4/1/48 5 Yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 4.5%	To Base of Mesaverde Formation Pacific Northwest Pipeline Corp. All* Below Base of Mesa- verde Formation Phillips Petroleum Company - All
8	T 30N - R 6W Sec. 1: Lots 5,6,9, 10,11,SW $\frac{1}{4}$ W $\frac{1}{2}$ SE $\frac{1}{4}$,SW $\frac{1}{4}$ NE $\frac{1}{4}$	386.61	Santa Fe 080714 8/1/51 5 Yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Oscar Abraham	Total ORRI Committed 3.0%	El Paso Natural Gas Company**** 1/2 Slick-Moorman Oil Co.*** 1/2
9	T 30N - R 6W Sec. 3: Lots 5,6,7,8, S $\frac{1}{2}$,S $\frac{1}{2}$ N $\frac{1}{2}$	640.48	Santa Fe 080714-A 8/1/51 5 Yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Mike Abraham $\frac{1}{2}$ Gordon Simpson $\frac{1}{2}$	Total ORRI Committed 5.0%	Oil Rights - All - General American Oil Company of Texas Gas Rights - All - El Paso Natural Gas Company

Tract No.	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
10	<u>T 30N - R 6W</u> <u>Sec. 5: E11</u>	639.16	New Mexico 03404-A 5/1/48 5 Yrs.	U.S.A. 12½% All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesaverde Formation Pacific Northwest Pipeline Corp. All* Below Base of Mesaverde Formation Phillips Petroleum Company - All
10 Federal Tracts - 8,223.98 Acres or 81.8357% of Unit Area							
11	<u>T 31N - R 6W</u> <u>Sec. 32: NW¼</u>	160.00	E-289-3 5/2/45 10 Yrs.	State of New Mexico 12½% All	Southern Petroleum Exploration, Inc.	None	Southern Petroleum Exploration, Inc.-All
11a	<u>T 31N - R 6W</u> <u>Sec. 32: SW¼NE¼</u>	40.00	E-289-36 5/2/45 10 Yrs.	State of New Mexico 12½% All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesaverde Formation Pacific Northwest Pipeline Corp. All* Below Base of Mesaverde Formation Phillips Petroleum Company - All
11b	<u>T 31N - R 6W</u> <u>Sec. 32: N½NE¼</u>	80.00	E-289-31 5/2/45 10 Yrs.	State of New Mexico 12½% All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesaverde Formation Pacific Northwest Pipeline Corporation- All* Below Base of Mesaverde Formation Phillips Petroleum Company - All

Tract No.	Description	Number of Acres	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
12	<u>T 31N - R 6W</u> <u>Sec. 32: SE$\frac{1}{4}$NE$\frac{1}{4}$,SE$\frac{1}{4}$</u>	200.00	E-346-17 6/1/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 5.0%	<u>To Base of Mesaverde</u> <u>Formation</u> Pacific Northwest Pipeline Corporation- All* <u>Below Base of Mesaverde</u> <u>Formation</u> Phillips Petroleum Company - All
12a	<u>T 31N - R 6W</u> <u>Sec. 32: SW$\frac{1}{4}$</u>	160.00	E-346-18 6/1/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 2.5%	<u>To Base of Mesaverde</u> <u>Formation</u> Pacific Northwest Pipeline Corporation- All* <u>Below Base of Mesaverde</u> <u>Formation</u> Phillips Petroleum Company - All
13	<u>T 30N - R 6W</u> <u>Sec. 2: NE$\frac{1}{4}$SE$\frac{1}{4}$</u> <u>T 31N - R 6W</u> <u>Sec. 36: NE$\frac{1}{4}$NW$\frac{1}{4}$</u>	160.00	E-347-8 6/1/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 3.0%	<u>To Base of Mesaverde</u> <u>Formation</u> Pacific Northwest Pipeline Corporation- All** <u>Below Base of Mesaverde</u> <u>Formation</u> Skelly Oil Company -All

Tract No.	Description	Number of Acres.	Number, Date and Term of Lease	Basic Royalty and Percentage	Lessee of Record	ORRI and Percentage	Working Interest and Percentage
13a	T 30N - R 6W Sec. 2: S $\frac{1}{2}$ SE $\frac{1}{4}$ T 31N - R 6W Sec. 36: S $\frac{1}{2}$ NW $\frac{1}{4}$	160.00	E-347-14 6/1/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesaverde Formation Pacific Northwest Pipeline Corporation- All*** Below Base of Mesaverde Formation Stanolind Oil & Gas Company - All
13b	T 30N - R 6W Sec. 2: SW $\frac{1}{4}$ T 31N - R 6W Sec. 36: SW $\frac{1}{4}$	329.00	E-347-25 6/1/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 2.5%	To Base of Mesaverde Formation Pacific Northwest Pipeline Corporation- All* Below Base of Mesaverde Formation Phillips Petroleum Company - All
13c	T 30N - R 6W Sec. 2: Lots 5,6,7,8, S $\frac{1}{2}$ N $\frac{1}{2}$ T 31N - R 6W Sec. 36: Lots 1,2,3,4, W $\frac{1}{2}$ E $\frac{1}{2}$	545.40	E-347-26 6/1/45 10 Yrs.	State of New Mexico 12 $\frac{1}{2}$ % All	Pacific Northwest Pipeline Corporation	Total ORRI Committed 5.0%	To Base of Mesaverde Formation Pacific Northwest Pipeline Corporation- All* Below Base of Mesaverde Formation Phillips Petroleum Company - All

9 State Tracts - 1,825.40 Acres or 18.1643% of Unit Area

R E C A P I T U L A T I O N

<u>Land</u>	<u>Acres in Unit</u>	<u>Percentage of Unit Area</u>
Federal	8,223.98	81,8357%
State	<u>1,825.40</u>	<u>18,1643</u>
Total of Unit Area	10,049.38	100.0000%

* Pacific Northwest Pipeline Corporation's Working Interest is subject to a Sliding Scale ORRI as to the gas production and an ORRI of 82.5% of all oil produced and saved when average oil production is in excess of 15 barrels per day in favor of Phillips Petroleum Company.

** Pacific Northwest Pipeline Corporation's Working Interest is subject to a Sliding Scale ORRI as to gas production and an ORRI of 82.5% of all oil produced and saved when average oil production is in excess of 15 barrels per day in favor of Skelly Oil Company.

*** Pacific Northwest Pipeline Corporation's Working Interest is subject to a Sliding Scale ORRI as to gas production and an ORRI of 82.5% of oil produced and saved when average oil production is in excess of 15 barrels per day in favor of Stanolind Oil and Gas Company.

**** Subject to Contract between San Juan Production Company (now El Paso Natural Gas Company) and Slick-Moorman Oil Co. dated December 31, 1951.

OIL CONSERVATION COMMISSIO.

P. O. BOX 871

SANTA FE, NEW MEXICO

April 30, 1955

file

100-4-7

Phillips Petroleum Company
10th Floor West Wing
Phillips Building
Bartlesville, Oklahoma

Re: Amended Plan of Development 1955
San Juan 31-6 Unit
Rio Arriba County, New Mexico

Gentlemen:

This is to advise that the Amended Plan of Development for the above-captioned unit, dated April 13, 1955, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

In addition to the proposed wells, adequate offset wells must be drilled to protect the area from drainage as provided in the unit agreement.

One approved copy of said plan is returned herewith.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: USGS, Roswell
Commissioner of Public Lands, Santa Fe



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

April 25, 1955

Phillips Petroleum Company
10th Floor West Wing - Phillips Building
Bartlesville, Oklahoma

file

Gentlemen:

The amended plan of development dated April 13, 1955, for the San Juan 31-6 unit area, New Mexico, No. 14-08-001-464 has been approved on this date, subject to like approval by the appropriate State officials.

In addition to the proposed wells listed in the plan of development, adequate offset wells must be drilled to protect the unit area from drainage as provided in the unit agreement.

One approved copy of said plan is returned herewith.

Very truly yours,

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons. Div., Wash. (w/1 copy of plan)
Farmington (w/1 copy of plan)
WOGC, Santa Fe (ltr only) ✓

[Handwritten initials]

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building

BARTLESVILLE, OKLAHOMA

April 13, 1955

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Re: Amended Plan of Development 1955
San Juan 31-6 Unit, #14-08-001-464
Rio Arriba County, New Mexico

Commissioner of Public Lands of the
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of the
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Gentlemen:

On December 31, 1954, Phillips Petroleum Company, as Unit Operator, submitted for your approval a Plan of Development for the year 1955 for San Juan 31-6 Unit Area. By letters dated February 4th and February 8th, respectively, Mr. John A. Anderson, Regional Oil and Gas Supervisor, and Mr. W. B. Macey, Secretary-Director of the New Mexico Oil Conservation Commission, accepted the Plan of Development and required an amended Plan be filed on or before April 15, 1955, providing for the drilling of not less than three (3) development and exploration wells to be drilled to the base of the Mesaverde formation unless production in paying quantities is found at a lesser depth.

All working interest owners in this Unit have been solicited for the purpose of complying with these requests, and Phillips Petroleum Company, as Unit Operator, now submits for your approval an amended Plan of Development for the year 1955 providing for the drilling of three (3) Mesaverde wells unless production in paying quantities is encountered at a lesser depth, at the following locations:

SW/4 Section 1-30N-7W
NE/4 Section 1-30N-7W
SW/4 Section 31-31N-6W

Phillips plans to drill these wells to casing point with conventional hydraulic rotary tools and to drill the pay section with gas tools. The Cliff House and Point Lockout sands of the Mesaverde formation will be separately treated with a sand-oil fracturing process.

At the present time, Phillips and other lease owners are in the process of transferring certain interests in leases in the San Juan Basin to Pacific Northwest Pipeline Corporation. This transfer should be completely consummated within the next few weeks and it is expected that immediately thereafter, Pacific Northwest will desire to amend this Plan of Development by providing for the drilling of other wells in addition to those listed herein.

Amended Plan of Development 1955
San Juan 31-6 Unit

-2-

April 13, 1955

Your approval of this Plan is respectfully requested.

Very truly yours,

PHILLIPS PETROLEUM COMPANY
Unit Operator

BY *G. E. Benskin*
G. E. BENSKIN

GEB:wg
cc: See attached

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED: *[Signature]* DATE: *4/13/55*
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 8, 1955

Phillips Petroleum Company
10th Floor - Phillips Building
Bartlesville, Oklahoma

Attention: Mr. R. N. Richey

Re: San Juan 31-6
Rio Arriba County, New Mexico
1955 Plan of Development

Gentlemen:

This is to advise that the Plan of Development for calendar year 1955, dated December 31, 1954, for the subject unit has this date been accepted by the New Mexico Oil Conservation Commission as minimum compliance with the obligation of unit operator to submit a Plan of Development, pursuant to article 10 of the Unit Agreement.

This Plan of Development is therefore accepted only on the condition that on or before April 15, 1955, a supplemental Plan of Development be filed, providing for the drilling of a minimum of three development and/or exploratory wells to a depth sufficient to adequately test the Mesaverde formation, unless unitized substances in paying quantities are encountered at lesser depth. In addition, adequate provision must be made to protect the unitized lands from drainage. We feel that due to the large amount of acreage comprising this unit, such a Plan of Development is not unreasonable and should lead to the orderly development of the subject area.

This approval is being granted subject also to the condition that like approval be obtained from the United States Geological Survey and from the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is herewith returned.

Very truly yours,

W. B. Macey
Secretary - Director

WBM;jh

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P

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*file
room 467*

file



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

February 4, 1955

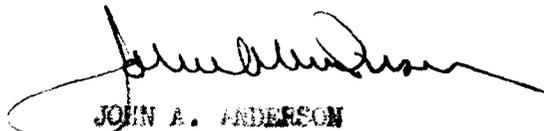
Phillips Petroleum Company
10th Floor West Wing - Phillips Building
Bartlesville, Oklahoma

Gentlemen:

The 1955 plan of development dated December 31, 1954, for the San Juan 31-6 unit agreement is accepted subject to similar acceptance by the appropriate State officials as bare compliance with that provision of Sec. 10 of the unit agreement requiring that a plan be filed. An amended plan of development for 1955 providing for the drilling of not less than three development and exploration wells drilled at least to the base of the Mesaverde formation unless production in paying quantities is found at a lesser depth and, in addition, adequate offsets to protect the unitized lands from drainage, must be submitted for approval not later than April 15, 1955.

One copy of said plan indicating acceptance by this office is returned herewith.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons.Div., Wash.D.C. (w/1 copy of plan)
Farmington (w/1 copy of plan)
✓ N.M.O.C.C., Santa Fe (ltr. only)

MAIN OFFICE 800

RECEIVED JAN 27 1955

January 26th, 1955

Phillips Petroleum Company
10th Floor - West Wing
Phillips Building
Bartlesville, Oklahoma

file

Re: Plan of Development 1955
~~San Juan 31-6 Unit~~
#14-08-001-464
Rio Arriba County, New Mexico

Gentlemen:

This is to advise that we have approved the above Plan of Development for the year 1955 subject to like approval of the Oil Conservation Commission and the United States Geological Survey.

We are returning herewith the approved copies.

Very truly yours,



E. S. WALKER
COMMISSIONER OF PUBLIC LANDS

CC-U. S. Geological Survey
Roswell, New Mexico

Oil Conservation Commission ✓
Santa Fe, New Mexico



PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building
BARTLESVILLE, OKLAHOMA

December 31, 1954

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Re: Plan of Development 1955
San Juan 31-6 Unit
#14-08-001-464
Rio Arriba County
New Mexico

Commissioner of Public Lands of the
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of the
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Gentlemen:

All original drilling obligations contained in the Unit Agreement for the Development and Operation of the San Juan 31-6 Unit Area have been completed and Phillips Petroleum Company, as Unit Operator, now submits for your approval a Plan of Development for 1955.

CURRENT STATUS OF DEVELOPMENT

The following table reflects the current status of development of the Mesaverde formation in the Unit:

<u>Well</u>	<u>Location</u>	<u>Spud Date</u>	<u>Test Date</u>	<u>Potential</u>	<u>Remarks</u>
1-35	SW/4 Sec. 35-31N-6W	2/26/53	7/24/53	386 MCFGPD	Shut-in
2-28	SW/4 Sec. 28-31N-6W	5/30/53	7/1/54	745 MCFGPD	Shut-in
3-6	NE/4 Sec. 6-30N-6W (formerly El Paso No. 1 Sublease)	8/14/52	12/23/52	648 MCFGPD	Producing to El Paso line
4-4	NE/4 Sec. 4-30N-6W (formerly El Paso No. 1 Sublease)	1/30/53	10/22/53	1,100 MCFGPD	Producing to El Paso line

All wells were shot with nitroglycerin. The poor condition of the #1-35 Well is attributed to hole caving due to shooting.

As of December 31, 1954, the Unit Participating Area consisted of the W/2 of Section 28, Township 31 North, Range 6 West, and the E/2 of Sections 4 and 6, Township 30 North, Range 6 West. Small quantities of gas have been produced from the Unit into El Paso Natural Gas Company's gathering system.

The above wells include all Mesaverde tests required by Section 9 of the Unit Agreement.

OK [handwritten initials]

[handwritten notes]

1955 DEVELOPMENT PROGRAM

Phillips, as Unit Operator, plans to drill a Mesaverde well at the following location in the summer of 1955:

NE/4 of Section 1, Township 30 North, Range 7 West, N.M.P.M.

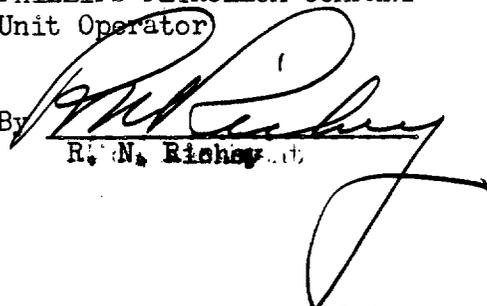
Phillips plans to drill this well to casing point with conventional hydraulic rotary tools and to drill the pay section with gas tools, individually sand-oil fracturing the Cliff House and Point Lookout sands of the Mesaverde.

It is now anticipated that during the first quarter of the year Pacific Northwest Pipeline Corporation will acquire a majority of the acreage within this township Unit and will immediately thereafter request an expanded drilling program. Phillips Petroleum Company, as Unit Operator, will consult with your offices as these plans mature and submit amended or expanded Plans of Development as required.

Your approval of this plan is respectfully requested.

Very truly yours,

PHILLIPS PETROLEUM COMPANY
Unit Operator

By 
R. N. Richey

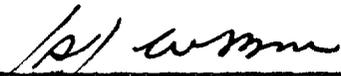
RNR:wr
cc: See attached.

APPROVED: _____ Date: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ Date: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

~~APPROVED~~ ACCEPTED  Date: 2/8/55
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

Accepted subject to conditions of acceptance as set forth in attached letter of transmittal

Plan of Development
San Juan 31-6 Unit

December 31, 1954

Copies of the foregoing Plan of Development have been sent to the following:

Manager - Bureau of Land Management
El Paso Natural Gas Company - R. L. Hamblin
Stanolind Oil and Gas Company - C. F. Bedford
Skelly Oil Company
Slick Oil Company, Ltd.
General American Oil Company of Texas
Delhi Oil Corporation
Southern Petroleum Exploration, Inc.
Mike and Roseline Abraham

Messrs: P. T. McGrath
A. M. Rippel
K. E. Beall
R. B. Stewart
L. E. Fitzjarrald
M. B. Heine
R. E. Parr
R. L. Powell
R. L. Pulsifer (2)
E. R. Holt
D. M. McBride
F. D. Smythe (2)
G. P. Bunn
P. B. Cordry
T. E. Smiley
S. E. Redman
E. A. Humphrey (2)
M. A. Tippie
R. C. Charles
H. M. Young
W. M. Freeman
C. B. McDonald
R. D. Wilbur
F. R. Burgess
F. R. Wheeler
R. B. Edmundson



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IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

September 3, 1954

Phillips Petroleum Company
Tenth Floor West Wing - Phillips Building
Bartlesville, Oklahoma

Gentlemen:

Your application dated August 19, 1954, requesting an extension of time until December 31, 1954, within which to file a plan of development for the San Juan 31-6 unit area, New Mexico, No. 14-08-001-464, has been approved on this date subject to like approval by the appropriate State officials.

One approved copy of the application is returned herewith.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons. Div., Wash., D.C. (w/1 copy of application)
Comm. Public Lands, Santa Fe (ltr. only)
Oil Conservation Comm., Santa Fe (ltr. only) ✓

401
El Paso Natural Gas Company
MAIN OFFICE 000 TENTH FLOOR BASSETT TOWER

1954 SEP 3 AM 8:36 El Paso, Texas

September 3, 1954

Mr. John A. Anderson
Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Mr. E. S. Walker
Commissioner of Public Lands
Box 791
Santa Fe, New Mexico

Mr. W. B. Macey
Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Re: San Juan 31-6 Unit
No. 14-08-001-464

Gentlemen:

We are in receipt of a determination dated August 12, 1954, by Phillips Petroleum Company as Operator of the San Juan 31-6 Unit that the San Juan 31-6 Mesa Well #2-28 is capable of producing unitized substances in paying quantities and should be admitted to the Mesaverde participating area.

We do not intend to protest this decision inasmuch as we do not feel that we can carry the burden of disproving this determination. Neither do we feel that this determination by the Unit Operator is prejudicial nor discriminatory to anyone's interest. We feel that this is an average well for this Unit.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By R. L. Hamblin
R. L. Hamblin, Manager
Lease Department

RLH:ms

467

14-08-001-464

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building
BARTLESVILLE, OKLAHOMA
August 12, 1954

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Re: San Juan 31-6 Unit, #14-08-001-464
Rio Arriba County, New Mexico
SECOND REVISION OF MESAVERDE
PARTICIPATING AREA
Effective August 1, 1954

Commissioner of Public Lands of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of the ✓
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Phillips Petroleum Company, as Unit Operator, has determined as of July 1, 1954, that a third well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to this Unit and the participating area for the Mesaverde formation is accordingly expanded. The well data upon which this second revision is based is as follows:

WELL DESIGNATION: San Juan 31-6 Mesa Well #2-28

LOCATION: 990' north of south line and 990' east of west line of Section 28, Township 31 North, Range 6 West, N.M.P.M.

ELEVATION: 6470' (DF)

SPUD DATE: May 30, 1953

CASING: 10 3/4" cemented at 172' with 175 sx, 7" cemented at 5302' with 300 sx

TOTAL DEPTH: 5950'

DRILLING METHODS: Conventional to casing point; Mesaverde drilled with gas

COMPLETION METHODS: Mesaverde shot between 5362' and 5948' with 1616 qts. of S.O.W.E. #1

TUBING: 1" set at 5829', perforated 5779' to 5829', 1/4" hole at 5419'.

SECOND REVISION
31-6 UNIT

-2-

August 12, 1954

COMPLETION TEST DATA

DATE: July 1, 1954
SHUT-IN PERIOD: 56 days
FINAL SHUT-IN PRESSURES: Tubing 808#
Casing 809#
RATE BY PITOT TUBE
AFTER 3 HOUR BLOW
DOWN: 745.3 MCFGPD through tubing
WORKING PRESSURE: 256# on casing

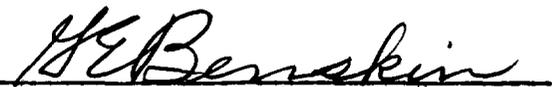
The Drilling Block upon which this well is located is described as the W/2 Section 28-31N-6W, N.M.P.M., and is designated as #4 on the attached plat.

Attached are schedules showing lands and leases committed and the ownership thereof, together with schedule of allocation of production from the expanded participating area. An index plat designating by number each Drilling Block within the Unit Area and indicating those which have been admitted to the participating area is also attached. These attachments are listed as follows:

1. Schedule III - Second Revised Mesaverde Participating Area.
2. Exhibit "A" - Schedule of leases and ownerships for second revision of Mesaverde participating area.
3. Exhibit "B" - Schedule of allocation of production from second revised Mesaverde participating area.
4. Exhibit "C" - Index plat showing Drilling Blocks designated by number and showing effective date of inclusion in participating area.

Very truly yours

PHILLIPS PETROLEUM COMPANY
Unit Operator

BY 
G. E. BENSKIN - San Juan Division

Registered
GEB:DNC:wg

cc: Manager - Bureau of Land Management
El Paso Natural Gas Company
Stanolind Oil and Gas Company
Skelly Oil Company
Slick-Moorman Oil Company
General American Oil Company of Texas
Mike Abraham & Roseline Abraham
Delhi Oil Corporation
Southern Petroleum Exploration, Inc.
Mr. P. T. McGrath

(cont'd.)

Messrs. A. M. Rippel
K. E. Beall
R. B. Stewart
L. E. Fitzjarrald
M. B. Heine
R. E. Parr
R. L. Powell
D. E. Fryhofer
R. L. Pulsifer (2)
E. R. Holt
D. M. McBride
F. D. Smythe (2)
G. P. Bunn
P. B. Cordry
T. E. Smiley (2)
S. E. Redman
M. A. Tippie
F. R. Burgess
G. E. Benskin
W. M. Freeman
R. B. Edmundson
G. L. Sneed
Val Reese
E. A. Humphrey (2)

SCHEDULE III
SECOND EXPANDED PARTICIPATING AREA, MESAVERDE FORMATION
SAN JUAN 31-6 UNIT
RIO ARriba COUNTY, NEW MEXICO
EFFECTIVE AUGUST 1, 1954

New Mexico Principal Meridian

Township 30 North, Range 6 West

Sec. 4: E/2

Sec. 6: Lots 8 & 9, S/2 NE/4, SE/4

Township 31 North, Range 6 West

Sec. 28: W/2

The working interest under leases on the above described lands which have been committed to the Unit is vested:

El Paso Natural Gas Company	66.65103%*
Phillips Petroleum Company	33.34897%

*Upon reimbursement for development cost the ownership will be:

Gas Rights

El Paso Natural Gas Company	87.50000%
General American Oil Company of Texas	12.50000%

Royalties are payable on production from these lands to the Government under the provisions of Santa Fe leases:

078995
079002
079012

The United States of America owns one-eighth (1/8) royalty interest in the above Federal leases.

- Attached find:
- (1) A schedule, marked Exhibit "A", showing leases included in the second expanded participating area.
 - (2) A schedule, marked Exhibit "B", a recap of committed acreage in the second expanded participating area.
 - (3) An index plat, marked Exhibit "C", showing Drilling Blocks designated by number and effective date of inclusion in participating area.

EXHIBIT "A"
 SECOND EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT
 RIO ARriba COUNTY, NEW MEXICO
 EFFECTIVE AUGUST 1, 1954

Tract #1

Lessee: Phillips Petroleum Company
 Serial Number: Santa Fe 078995
 Lease Description: Township 31 North, Range 6 West
 Sec. 28: W/2
 Amount of Acreage: 320.00 Acres
 Percentage of Participation: 33.34897%
 Overriding Royalties: 5.0% 1.66745%
 Royalty: U.S.A. 12.5% 4.16862%
 Operating Rights:
 Phillips Petroleum Company 100% 27.51290%
 San Juan 31-6 Mesa Well #2-28

Tract #5

Lessee: Mike Abraham 1/2
 Gordon Simpson 1/2
 Serial Number: Santa Fe 079002
 Lease Description: Township 30 North, Range 6 West
 Sec. 6: Lots 8 & 9, S/2 NE/4, SE/4
 Amount of Acreage: 319.55 Acres
 Percentage of Participation: 33.30206%
 Overriding Royalties: 5.0% 1.66510%
 Royalty: U.S.A. 12.5% 4.16276%
 Operating Rights:
 El Paso Natural Gas Company 100%* 27.47420%
 San Juan 31-6 Mesa Well #1 Seymour
 *Upon reimbursement for development costs the ownership of Gas Rights will be:

El Paso Natural Gas Company	87.500%
General American Oil Company of Texas	12.500%

Tract #6

Lessee: Mike Abraham 1/2
 Gordon Simpson 1/2
 Serial Number: Santa Fe 079012
 Lease Description: Township 30 North, Range 6 West
 Sec. 4: E/2
 Amount of Acreage: 320.00 Acres
 Percentage of Participation: 33.34897%
 Overriding Royalties: 5.0% 1.66745%
 Royalty: U.S.A. 12.5% 4.16862%
 Operating Rights:
 El Paso Natural Gas Company 100%* 27.51290%
 San Juan 31-6 Mesa Well #3-4 (Formerly Simpson #1)
 *Upon reimbursement for development costs the ownership of Gas Rights will be:

El Paso Natural Gas Company	87.500%
General American Oil Company of Texas	12.500%

EXHIBIT "B"
 SECOND EXPANDED MESAVARDE PARTICIPATING AREA, SAN JUAN 31-6 UNIT
 RIO ARRIBA COUNTY, NEW MEXICO
 EFFECTIVE DATE AUGUST 1, 1954

Tract No.	Area Acres	Committed Acres	Tract Participation	WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER
				% of Production	% of Production	% of Production	% of Production			
1	320.00	320.00	33.34897%	82.500%	27.51290%	12.5%	4.16862%	5.0%	1.66745%	Phillips Petroleum Company
5	319.55	319.55	33.30206%	82.500%	27.47420%	12.5%	4.16276%	5.0%	1.66510%	El Paso Natural Gas Company*(Gas Rights)
6	320.00	320.00	33.34897%	82.500%	27.51290%	12.5%	4.16862%	5.0%	1.66745%	El Paso Natural Gas Company*(Gas Rights)
TOTALS	959.55	959.55	100.00000%		82.50000%		12.50000%		5.00000%	

TOTALS COMMITTED

Federal Lands	<u>Acres</u>	<u>Percentage</u>
	959.55	100.000%

TOTAL NET PERCENTAGE OF PARTICIPATION

El Paso Natural Gas Company	54.98710%
Phillips Petroleum Company	27.51290%
Royalty Owners	12.50000%
Overriding Royalty Owners	<u>5.00000%</u>
	100.00000%

*Upon reimbursement for development costs, the working interest ownership of Gas Rights will be:

El Paso Natural Gas Company	87.500%
General American Oil Company of Texas	12.500%

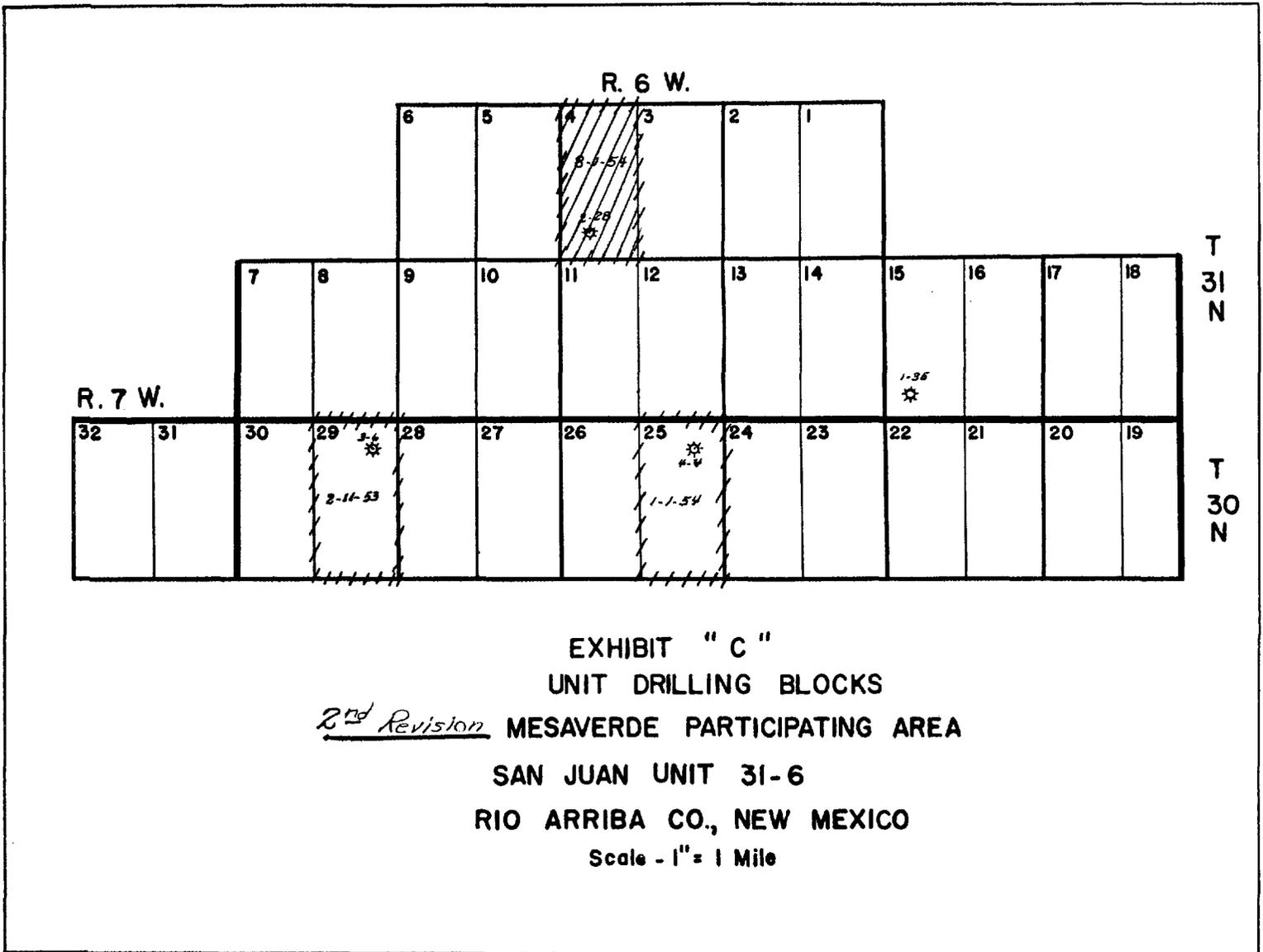


EXHIBIT " C "
 UNIT DRILLING BLOCKS
2nd Revision MESAVERDE PARTICIPATING AREA
 SAN JUAN UNIT 31-6
 RIO ARRIBA CO., NEW MEXICO
 Scale - 1" = 1 Mile

Participating Area 
 Drilling Blocks Added To Participating
 Area By This Revision 
 Effective Date Of Inclusion Is Shown On Each
 Drilling Block Admitted To Participating Area.

467

file

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building

BARTLESVILLE, OKLAHOMA

August 9, 1954

RECEIVED BY MR. MACEY

MAIL OFFICE COO

Mr. W. B. Macey
Oil Conservation Commission of the
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Dear Mr. Macey:

During the conference in Mr. John Anderson's office at Roswell on July 22, 1954, attended by yourself, representatives of Phillips Petroleum Company and Pacific Northwest Pipeline Corp., it was proposed that a request be filed with Mr. Anderson asking for an extension of time within which to file a Plan of Development for San Juan 31-6 Unit, Rio Arriba County, New Mexico.

Pursuant to the provisions of paragraph 10 of the Unit Agreement we have requested the Supervisor and the Commissioner to approve an extension of time to December 31, 1954, in which the required Plan of Development for the subject unit may be filed. Although the Unit Agreement does not contemplate the Commission approve such an extension, we are enclosing herewith a copy of our request in line with the discussion had in Mr. Anderson's office, in order that you may be fully informed regarding our course of action.

Very truly yours

R. N. RICHEY
San Juan Division

By G. E. Benskin
G. E. Benskin

GEB:pw

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building

BARTLESVILLE, OKLAHOMA

August 9, 1954

Regional Supervisor
United States Geological Survey
Department of the Interior
P. O. Box 6721
Roswell, New Mexico

Re: Plan of Development
San Juan 31-6 Federal Unit
No. 14-08-001-464

Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Gentlemen:

As Operator of San Juan 31-6 Federal Unit #14-08-001-464, Phillips Petroleum Company submits the following information and requests an extension of the time in which to submit a Plan of Development for the Unit if it is the opinion of your office that such a plan is now due.

The initial required well, Mesa #1-35, located in the SW/4 Section 35-31N-6W, was drilled to 5580' where it tested the Mesaverde section below the 7" casing point at 5318'. Although the well flowed gas at the rate of 1500 MCFGPD after shot, water entry and casing hole have prevented the taking of a satisfactory potential test. It is believed that the well will be commercial in the Mesaverde if the hole can be cleaned out, a perforated liner run to bottom and the pay section treated with sand-oil frac. The hole has further possibilities in the Fruitland-Pictured Cliffs section. Operations have been suspended pending commencement of a re-work program.

The second required well, Mesa #2-28 in the SW/4 Section 28-31N-6W, tested the Mesaverde from the 7" casing point at 5302' to total depth at 5950'. On official potential test the well gauged 745.3 MCFGPD after a three hour blow down.

The two non-required wells are the #1 Seymour, located in the NE/4 Section 6-30N-6W which tested 648 MCFGPD from the Mesaverde after a six hour blow down, and the #1 Simpson, NE/4 Section 4-30N-6W, which gauged 1100 MCFGPD from the Mesaverde after a three hour blow down. These wells have been redesignated respectively Mesa #3-6 and Mesa #4-4. Both were connected to a line on December 7, 1954, and their combined cumulative production through May 30, 1954, was 39,551 Mcf gas.

We have canvassed the working interest owners within the Unit to determine if any desired Phillips as Unit Operator to drill wells upon their holdings during the remainder of 1954. All have replied in the negative.

Phillips' acreage within the Unit has been committed to Pacific Northwest Pipeline Corporation which desires that no field work now be undertaken other than that required by governmental agencies having proper jurisdiction. A condition of the commitment is that Pacific will have completed its financing prior to October 1, 1954. Under these circumstances Phillips does not desire either to drill wells for its own account or to undertake the reconditioning of Mesa Well #1-35 at this time. According to the statement of

Mr. C. R. Williams, President of Pacific, at a conference in Roswell, New Mexico, on July 22, 1954, Pacific plans, upon completion of its financing, to immediately proceed with an intensive drilling program which will include development of the San Juan 31-6 Unit and commencement of construction of the pipeline to which the gas within Phillips' lands has been dedicated.

While Phillips does not consider Mesa #1-35 a completed well, it is possible that you will consider it as such and on that basis deem the initial drilling requirement of this unit complete. Should you so construe the status of the 31-6 Unit, Phillips Petroleum Company, as Unit Operator, respectfully requests that the time within which to submit a Plan of Development for San Juan 31-6 Unit be extended to December 31, 1954, for the reason that within the extended time it will become possible to prepare and submit a Plan of Development for the calendar year 1955.

Very truly yours

R. N. RICHEY
San Juan Division

By 
G. E. Benskin

GEB:pw

APPROVED: _____ Date: _____
Supervisor, United States Geological Survey

Subject to like approval by the Commissioner of Public Lands .

APPROVED: _____ Date: _____
Commissioner of Public Lands of the State of New Mexico

Subject to like approval by the Supervisor of the U.S.G.S.

cc: Manager - Bureau of Land Management
Oil Conservation Commission
~~El Paso Natural Gas Company~~
Stanolind Oil and Gas Company
Skelly Oil Company
Slick-Moorman Oil Company
General American Oil Company of Texas
Mike Abraham & Roseline Abraham
Delhi Oil Corporation
Southern Petroleum Exploration, Inc.
Messrs. P. T. McGrath

A. M. Rippel
K. E. Beall
R. B. Stewart
L. E. Fitzjarrald
M. B. Heine
R. E. Parr
R. L. Powell
D. E. Fryhofer
R. L. Pulsifer (2)
E. R. Holt

D. M. McBride
F. D. Smythe (2)
G. P. Bunn
P. B. Cordry
T. E. Smiley (2)
S. E. Redman
M. A. Tippie
F. R. Burgess
G. E. Benskin
W. M. Freeman

R. B. Edmundson
G. L. Sneed
Val Reese
E. A. Humphrey (2)

10/24

MAIN OFFICE OCC

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing Phillips Building
BARTLESVILLE, OKLAHOMA

MAR 23 AM 9:03

March 23, 1954

Re: San Juan 31-6 Unit
Mesa #3-6 Well
Determination of Effective Date
of Initial Participating Area

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

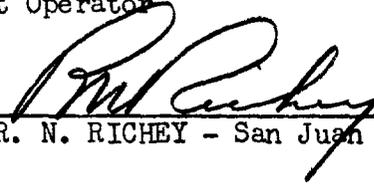
Gentlemen:

Pursuant to a recent directive, the effective date of an initial participating area is to be the date of first production which has been determined to be the date the well was completed. This is to advise you of our determination regarding the effective date of first production for the initial participating area of the Mesaverde formation for the San Juan 31-6 Mesa #3-6 Well.

The completion date for the above mentioned well was prior to the date this Unit was approved. Therefore, we submit to you the effective date of this participating area as February 11, 1953, that being the approval date of this Unit.

Yours very truly

PHILLIPS PETROLEUM COMPANY
Unit Operator

BY 
R. N. RICHEY - San Juan Division

RNR:RBE:wg
cc: See attached

Copies of the foregoing letter have been sent to the following:

Manager - Bureau of Land Management
El Paso Natural Gas Company
Stanolind Oil and Gas Company
Skelly Oil Company
Slick-Moorman Oil Company
General American Oil Company of Texas
Mike Abraham & Roseline Abraham
Delhi Oil Corporation
Southern Petroleum Exploration, Inc.
Mr. P. T. McGrath

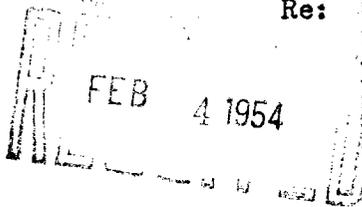
2

PHILLIPS PETROLEUM COMPANY

10th Floor W. W. - Phillips Building
BARTLESVILLE, OKLAHOMA

February 2, 1954

Re: San Juan 31-6 Unit
Unit #14-08-001-464
Rio Arriba County
New Mexico
Automatic Elimination Date



Regional Supervisor
United States Geological Survey
Department of the Interior
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Gentlemen:

This is to advise that the date of first sale of unitized substances from San Juan 31-6 Unit was December 7, 1953 from the #3-6 and #4-4 wells. Therefore, pursuant to Section 22 of the Unit Agreement, any lease, no portion of which is included within a participating area by December 7, 1960, shall be automatically eliminated from this agreement and shall no longer be a part of the Unit Area, unless drilling operations are in progress on said lease on December 7, 1960, in which case said lease shall remain subject to the agreement while drilling operations are diligently continued and so long thereafter as any portion of said lease is included in a participating area.

This is for your information and file.

Yours very truly

PHILLIPS PETROLEUM COMPANY
Unit Operator

BY *R. A. Wolgast*
R. A. Wolgast - San Juan Division

RW:wg
cc: See attached

Copies of the foregoing letter have been sent to the following:

Manager - Bureau of Land Management
El Paso Natural Gas Company
Delhi Oil Corporation
General American Oil Company of Texas
Slick-Moorman Oil Company
Southern Petroleum Exploration, Inc.
Skelly Oil Company
Stanolind Oil and Gas Company
Mike Abraham & Roseline Abraham
Mr. P. T. McGrath

43

437

JAN 1 1954

PHILLIPS PETROLEUM COMPANY

10 West Wing - Phillips Building
BARTLESVILLE, OKLAHOMA

January 7, 1954

Re: San Juan 31-6 Unit
#14-08-001-464
Rio Arriba & San Juan Counties
New Mexico

Regional Supervisor
United States Geological Survey
Department of the Interior
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Gentlemen:

By cover letter of December 18, 1953, Phillips Petroleum Company as Unit Operator gave notice of completion of El Paso Natural Gas Company's #1 Simpson well located in the NE/4 Section 4-T30N-R6W, Rio Arriba County, New Mexico, and referred to said well in Exhibit "A" of Schedule 2 for first expanded participating area as the "San Juan 31-6 Mesa Well #3-4 (formerly Simpson #1)". Please correct your records to reflect that said well is the San Juan 31-6 Mesa Well #4-4.

The discovery well on this Unit, formerly the #1 Seymour located in the NE/4 Section 6-T30N-R6W has been named and will be carried as the San Juan 31-6 Mesa Well #3-6.

This is for your information and file.

Yours very truly

PHILLIPS PETROLEUM COMPANY
Unit Operator

By *R. N. Richey*
R. N. Richey - San Juan Division *rw*

RNR:RW:wg
cc: See attached

Copies of the foregoing letter have been sent to the following:

Manager - Bureau of Land Management
El Paso Natural Gas Company
Delhi Oil Corporation
General American Oil Company of Texas
Slick-Moorman Oil Company
Southern Petroleum Exploration, Inc.
Skelly Oil Company
Stanolind Oil and Gas Company
Mike Abraham & Roseline Abraham
Mr. P. T. McGrath

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building

BARTLESVILLE, OKLAHOMA

December 18, 1953

Regional Supervisor
United States Geological Survey
Department of the Interior
P. O. Box 6721
Roswell, New Mexico

Re: San Juan 31-6 Unit #14-08-001-464
Rio Arriba and San Juan Counties,
New Mexico.

FIRST REVISION OF MESAVERDE

PARTICIPATING AREA

Effective January 1, 1954

Commissioner of Public Lands of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of the
State of New Mexico
Capital Annex Building
Santa Fe, New Mexico

COPY FILED

DEC 21 1953

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 31-6 Unit Agreement, approved February 11, 1953, Phillips Petroleum Company as Unit Operator determines that a second well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon committed acreage to this Unit and the participating area for the Mesaverde formation is accordingly expanded.

The well is El Paso Natural Gas Company's #1 Simpson well located 990' from the north and east lines of Section 4, Township 30 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on January 30, 1953, prior to the effective date of this Unit Agreement and completed in accordance with Section 3, sub-section (a) of the Unit Operating Agreement by El Paso Natural Gas Company. This well reached a total depth of 5796' on August 30, 1953. The Mesaverde pay section from 5416' to 5796' was shot with 1330 quarts of nitroglycerin.

On September 22, 1953, following a 22 day shut-in period at which time SICP was 1059# and SITP was 1066#, the well was tested in accord with the Oil Conservation Commission of the State of New Mexico field testing order of June 13, 1953, and after a 3 hour blow down gauged 1,100 MCFGPD. The one-half section Drilling Block upon which this well is located is described as E/2 Section 4-30N-6W, N.M.P.M., Rio Arriba County, New Mexico, and there are attached the following schedules showing lands and leases committed and the ownership thereof, together with schedule of allocation of production from the expanded participating area to now include E/2 Section 4, Lots 8 and 9, S/2 NE/4 and SE/4 Section 6, both 30 North, 6 West, N.M.P.M.:

1. Schedule II - First revision of Mesaverde participating area from Federal leases SF 079002 and SF 079012.
2. Exhibit "A" - Schedule of leases and ownership in first revision of Mesaverde participating area.

3. Exhibit "B" - Schedule of allocation of production from first revision of Mesaverde participating area effective January 1, 1953.

Yours very truly

PHILLIPS PETROLEUM COMPANY
Unit Operator

By 
R. N. Richey - San Juan Division

Registered
RNR:pw

cc: Manager - Bureau of Land Management
El Paso Natural Gas Company
Delhi Oil Corporation
General American Oil Company of Texas
Slick-Moorman Oil Company
Southern Petroleum Exploration, Inc.
Skelly Oil Company
Stanolind Oil and Gas Company
Mike Abraham & Roseline Abraham

Messrs: P. T. McGrath
A. M. Rippel
R. B. Stewart
L. E. Fitzjarrald
E. M. Gorence
G. L. Sneed
H. E. Koopman
R. E. Parr
R. L. Powell (1)
R. L. Pulsifer (3)
E. R. Holt
D. M. McBride
F. D. Smythe (2)
G. P. Bunn
P. B. Cordry
T. E. Smiley (2)
S. E. Redman
E. A. Humphrey (3)
M. A. Tippie
J. W. Mims
G. E. Benskin
W. M. Freeman
Val Reese
R. A. Wolgast

SCHEDULE II
 FIRST EXPANDED PARTICIPATING AREA (Gas), MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT
 RIO ARriba COUNTY, NEW MEXICO
 EFFECTIVE JANUARY 1, 1954

New Mexico Principal Meridian

Township 30 North, Range 6 West

Sec. 4: E/2

Sec. 6: Lots 8 & 9, S/2 NE/4, SE/4

The working interest under leases on the above described lands which have been committed to the Unit is vested:

Gas Rights

El Paso Natural Gas Company 100.000%*

Oil Rights

General American Oil Company of Texas 100.000%*

*Upon reimbursement for development cost the ownership will be:

Gas Rights

El Paso Natural Gas Company 87.500%

General American Oil Company of Texas 12.500%

Oil Rights

General American Oil Company of Texas 50.000%

Mike Abraham 50.000%

Royalties are payable on production from these lands to the Government under the provisions of Santa Fe leases:

079002

079012

The United States of America owns one-eighth (1/8) royalty interest in the above Federal leases.

- Attached find: (1) A schedule, marked Exhibit "A", showing leases included in the participating area.
 (2) A schedule, marked Exhibit "B", a recap of committed acreage in the participating area.

EXHIBIT "A"
 FIRST EXPANDED PARTICIPATING AREA (Gas) FOR MESAVERDE FORMATION
 SAN JUAN 31-6 UNIT
 RIO ARriba COUNTY, NEW MEXICO
 EFFECTIVE JANUARY 1, 1954

Tract #5

Lessee: Mike Abraham 1/2
 Gordon Simpson 1/2
 Serial Number: Santa Fe 079002
 Lease Description: Township 30 North, Range 6 West
 Sec. 6: Lots 8 & 9, S/2 NE/4, SE/4
 Amount of Acreage: 319.55 Acres
 Percentage of Participation 49.964819%
 Overriding Royalties: 5.0% 2.498241%
 Royalty: U.S.A. 12.5% 6.245602%
 Operating Rights:
 El Paso Natural Gas Company 100%* 41.220976%

*Upon reimbursement for development costs the ownership of Gas Rights will be:

El Paso Natural Gas Company 87.500%
 General American Oil Company of Texas 12.500%
 San Juan 31-6 Mesa Well #1 Seymour

Tract #6

Lessee: Mike Abraham 1/2
 Gordon Simpson 1/2
 Serial Number: Santa Fe 079012
 Lease Description: Township 30 North, Range 6 West
 Sec. 4: E/2
 Amount of Acreage: 320.00 Acres
 Percentage of Participation: 50.035181%
 Overriding Royalties: 5.0% 2.501759%
 Royalty: U.S.A. 12.5% 6.254398%
 Operating Rights:
 El Paso Natural Gas Company 100%* 41.279024%

*Upon reimbursement for development costs the ownership of Gas Rights will be:

El Paso Natural Gas Company 87.500%
 General American Oil Company of Texas 12.500%
 San Juan 31-6 Mesa Well #3-4 (Formerly Simpson #1)

EXHIBIT "B"
 FIRST EXPANDED MESAVARDE PARTICIPATING AREA, (Gas), SAN JUAN 31-6 UNIT
 RIO ARRIBA COUNTY, NEW MEXICO
 EFFECTIVE DATE JANUARY 1, 1954

Tract No.	INITIAL PARTICIPATING AREA		WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		O&RI PARTICIPATION		W. I. OWNER	
	Area Acres	Committed Acres	Tract Participation	% of Production	% of Production	% of Production	% of Production			
5	319.55	319.55	49.964819%	82.500%	41.220976%	12.5%	6.245602%	5.0%	2.498241%	El Paso Natural Gas Company*(Gas Rights)
6	320.00	320.00	50.035181%	82.500%	41.279024%	12.5%	6.254398%	5.0%	2.501759%	El Paso Natural Gas Company*(Gas Rights)
TOTALS	639.55	639.55	100.000000%		82.500000%		12.500000%		5.000000%	
TOTALS COMMITTED										
Federal Lands		<u>Acres</u> 639.55	<u>Percentage</u> 100.000%	TOTAL NET PERCENTAGE OF PARTICIPATION						
				El Paso Natural Gas Company						82.500%*
				Royalty Owners						12.500%
				Overriding Royalty Owners						<u>5.000%</u>
										100.000%

*Upon reimbursement for development costs, the working interest ownership of Gas Rights will be:

El Paso Natural Gas Company	<u>Gross</u> 87.500%	<u>Net</u> 72.1875%
General American Oil Company of Texas	12.500%	10.3125%

STATE LAND OFFICE

Santa Fe, New Mexico

E. S. WALKER
COMMISSIONER OF PUBLIC LANDS



March 27, 1953

Re: San Juan 31-6 Unit
Rio Arriba and San
Juan Counties,
New Mexico

Mr. E. F. Rood
Phillips Petroleum Company
10th Floor West Wing-Phillips Building
Bartlesville, Oklahoma

Dear Sir:

We are in receipt of your letter dated March 21, 1953 regarding the above captioned Unit Agreement. We also have your correspondence and instruments dated January 7 and February 19, 1953.

Please be advised that no protests have been filed with this office in regard to your discovery and allocation of gas production. We wish to further advise that no objections have been received pertaining to the participating area.

Very truly yours,

E. S. Walker

E. S. WALKER
Commissioner of Public Lands

cc: U. S. Geological Survey
Albuquerque, New Mexico

Oil Conservation Commission
Santa Fe, New Mexico

ct

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PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building

June 8, 1953

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO.

JUN 11 1953

Re: San Juan 31-6 Unit
Rio Arriba County,
New Mexico
Unit No. 14-08-001-464

San Juan 32-7 Unit
San Juan County,
New Mexico
Unit No. 14-08-001-441

United States Department
of the Interior
Geological Survey
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

The Oil Conservation Commission
of the State of New Mexico
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 2 of the Unit Agreement, we have revised Exhibit "B" to show changes in ownership which have occurred since the above Unit Agreements were executed and filed for approval. Attached is a copy of the revised Exhibit "B" on each of the above units, which should be attached and substituted for the one that was previously sent to you.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

By 
Owen I. Jones

OIJ:ndb
encl.

cc: Mr. G. E. Benskin

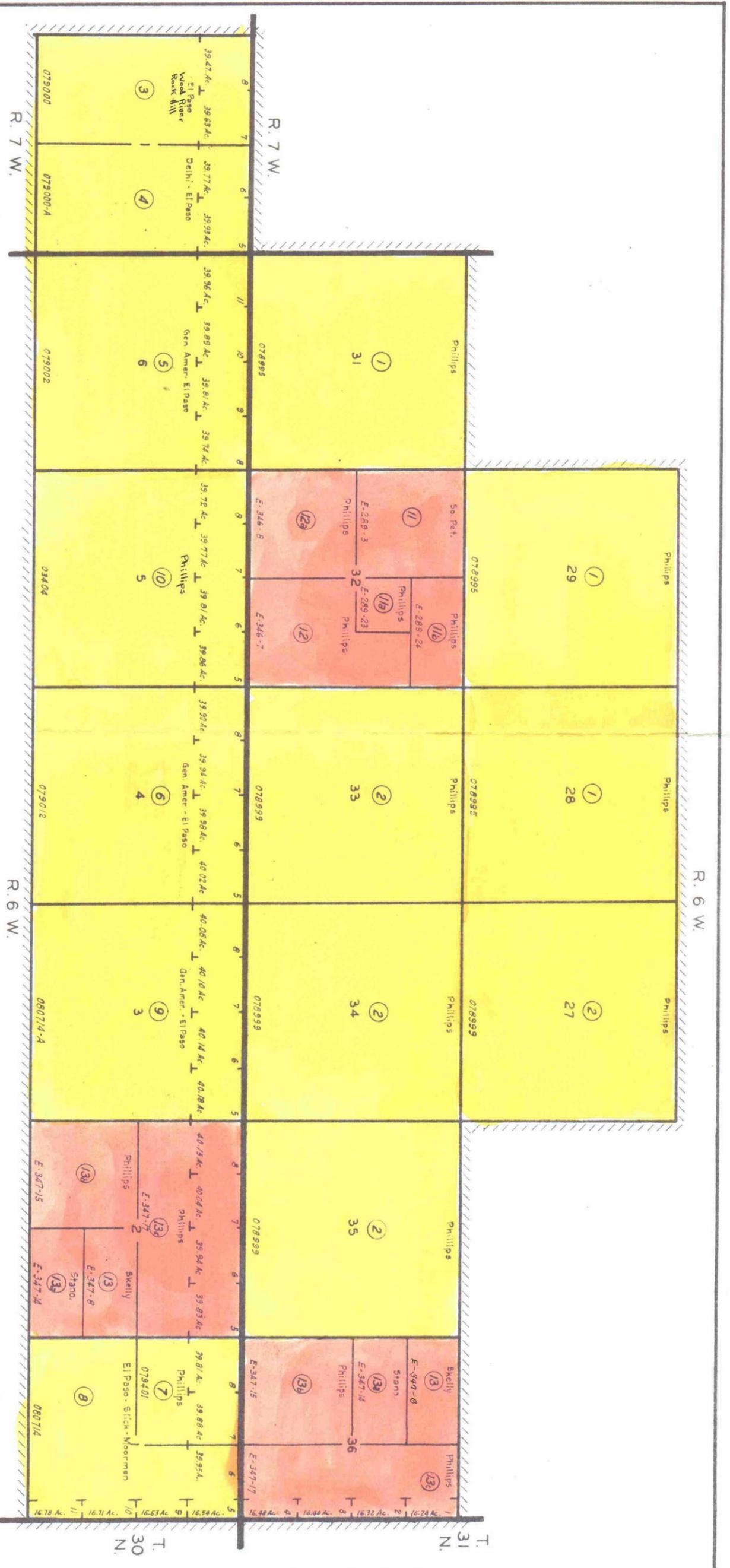


EXHIBIT "A"
SAN JUAN 31-6 UNIT
RIO ARRIBA COUNTY NEW MEXICO

- FEDERAL LANDS
- STATE LANDS
- FEE & PATENTED LANDS-NONE
- OUTLINE OF UNIT AREA

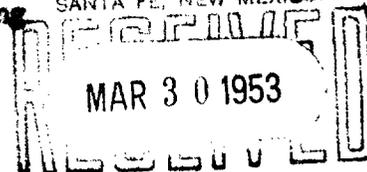
SCALE 2" = 1 MILE

TOTAL ACREAGE = 10,049.38

461
10th Floor West Wing - Phillips Building

March 25, 1953

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO



Re: San Juan 31-6 Unit
Rio Arriba and San Juan
Counties, New Mexico

Oil Conservation Commission
of the State of New Mexico
State Capital Building
Santa Fe, New Mexico

Gentlemen:

Herewith is photo copy of approval of Initial Participating Area from the Mesaverde formation in the above unit comprising Lts. 8 and 9, 3/2 NE/4, SE/4 of Section 6, Township 30 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico, and containing 319.55 acres.

The schedule of allocation of production was furnished you by our letter of February 19, 1953, but if you have need for additional copies we will be pleased to furnish.

Yours very truly

ORIGINAL SIGNED BY
R. F. ROOD

R. F. ROOD

RFR:pw

Case 461

10th Floor West Wing - Phillips Building

March 24, 1953

Re: San Juan 31-6 Unit
Rio Arriba and San
Juan Counties,
New Mexico

RECEIVED
MAR 27 1953
SANTA FE, NEW MEXICO

~~Honorable Commissioner of Public Lands~~
and
Oil Conservation Commission
of the State of New Mexico

Gentlemen:

On January 7, 1953, we advised of a discovery of unitized substances in paying quantities in the El Paso Natural Gas Company's No. 1 Seymour Well located in the NE/4 of Section 6, Township 30 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico.

On February 19, 1953, we furnished schedule showing the initial participating area and allocation of gas production from the Mesa-verde formation for this initial participating area.

No protests were filed with Phillips Petroleum Company the Unit Operator or the Director of the United States Geological Survey and we have approval from Thomas B. Nolan, Acting Director of the United States Geological Survey.

Will you kindly advise whether or not any protests have been received by either of you.

Yours very truly

PHILLIPS PETROLEUM COMPANY

By R. F. Rood
R. F. ROOD
San Juan Division

RFR:pw



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

MAR 23 1953

MAR 23 1953

Phillips Petroleum Company
10th Floor West wing-Phillips Bldg.
 Bartlesville, Oklahoma

Gentlemen:

On March 17, 1953, Acting Director of the Geological Survey, Thomas B. Nolan, approved the application of February 19, 1953, for establishment of an initial Mesaverde participating area pursuant to section 11(a) of the San Juan 31-6 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-464, approved February 11, 1953. The effective date of the initial participating area is the date of first production. Said participating area is described as follows:

$E\frac{1}{2}$ sec. 6, T. 30 N., R. 6 W. (319.5⁺ acres)

Enclosed is one copy of the approved application for your records. It is assumed that you will furnish the State of New Mexico or any other interested principal with whatever evidence of this approval is deemed appropriate.

In order to clarify the procedures for processing papers in connection with the unit operator's notices of commerciability and submittal of schedules for the establishment and revision of participating areas pursuant to the pertinent provisions of section 11 of this and similar unit agreements, the following procedure, heretofore approved by the Director, is outlined here for your future guidance:

Initial Notice of Commerciability and Establishment of
Initial Participating Area for Each Producing Formation

At least four copies of the notices of commerciability are needed for Government distribution and all such copies should be filed with the Supervisor. The proposed schedule setting forth the percentage of unitized substances to be allocated to the unitized land in the participating area to be established, pursuant to the pertinent provisions of said section 11, particularly the fourth sentence of the second paragraph thereof, could be submitted with the notices of commerciability, if desired. If not so submitted, such schedule should be submitted

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promptly after the expiration of the 30-day waiting period specified in the unit agreement. The schedule should be prepared in somewhat the same manner as an application for the establishment of an initial participating area under a standard form unit agreement, be as complete as possible, include the effective date or time, identify the drilling block, and provide for approval on the face thereof. In the absence of disapproval of your conclusion as to commerciability by the Director, the Commissioner, or the Commission, within 30 days after the filing thereof, the schedule, upon approval required by the unit agreement, will be distributed. All surplus approved copies, above the number required for Government records, will be returned to you for your records and for any further distribution deemed appropriate.

Subsequent Notices and Revisions of Participating Areas

The schedule, in quadruple and complete with all pertinent details as outlined above including the date or time the addition to the participating area is to become effective, could accompany the notices of discovery of a well in paying quantities pursuant to the pertinent provisions of section 11. All copies of such notices should be filed with the Supervisor. If the schedule does not accompany such notices, it should be submitted within the 30-day waiting period. Then, in the absence of disapproval of your notice by the State or by the Director within said waiting period, both your conclusion and the addition to the participating area as outlined in the schedule will become effective without further action. Inasmuch as no approval action will be required, only sufficient copies for Government distribution will be needed. This procedure should become more or less routine and thereby add to the simplicity of handling such matters.

Very truly yours,



For the Director

Enclosure

ILLEGIBLE

D-2

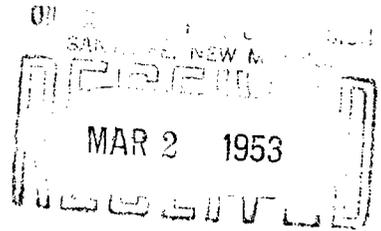
PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA

LAND AND GEOLOGICAL DEPARTMENT

C. O. STARK, VICE PRESIDENT
D. E. LOUNSBERY, CHIEF GEOLOGIST
D. C. HEMSELL, MGR. LAND DIVISION
W. B. WEEKS, MGR. GEOLOGICAL SECTION
A. J. HINTZE, MGR. EXPLORATION SECTION

10 West Wing Phillips Bldg.
February 26, 1953



Re: San Juan 31-6 Unit
Rio Arriba County, N. M.
Unit No. 14-08-001-464

Case 464

The Oil Conservation Commission
of the State of New Mexico
Santa Fe, New Mexico

Gentlemen:

On February 16, 1953, you were furnished with a fully executed copy of the Unit and Unit Operating Agreement, covering our San Juan 31-6 Unit. Your copy of the Unit Agreement is dated December 10, 1952. This date is incorrect and should be November 28, 1952. It is requested that you make this correction.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

By 
Owen I. Jones

OIJ:ndb

cc: G. E. Benskin

PHILLIPS PETROLEUM COMPANY
10th Floor West Wing - Phillips Building
BARTLESVILLE, OKLAHOMA

Case 467

February 19, 1953

Re: San Juan 14-08-001-464
San Juan 31-6 Unit
Rio Arriba and San Juan
Counties, New Mexico

Director
United States Geological Survey
Department of the Interior
Washington 25, D. C.

Dear Sir:

On January 7, 1953, we advised of a discovery of unitized substances in paying quantities upon this unit in the following well located thereon:

El Paso Natural Gas Company's No. 1 Seymour, located in the NE/4 of Section 6, Township 30 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico.

This well was completed on December 30, 1952, from the Mesaverde formation and was given a potential of 648 MCFGPD gauged with pitot tube after six hour blow down.

The one-half section Drilling Block upon which this well is located is committed to San Juan 31-6 Unit Agreement and pursuant thereto we attach the following:

1. Schedule I showing initial participating area for the Mesaverde formation as comprising Lots 8 and 9, S/2 NE/4 and SE/4 (being the E/2) of Section 6-T30N-R6W, N.M.P.M., Rio Arriba County, New Mexico, and containing 319.55 acres, more or less.
2. Exhibit "A" showing the allocation of gas production from the Mesaverde formation for this initial participating area.

Director

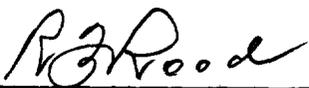
-2-

February 19, 1953

3. Exhibit "B" which is a recapitulation of the participating area.

Yours very truly

PHILLIPS PETROLEUM COMPANY
Unit Operator

By 
R. F. ROOD

RFR:pw

cc: Regional Supervisor

United States Geological Survey
Manager - Bureau of Land Management
Commissioner of Public Lands
Oil Conservation Commission ← **COPY FOR** →
of the State of New Mexico
El Paso Natural Gas Company
Delhi Oil Corporation
General American Oil Company of Texas
Slick-Moorman Oil Company
Southern Petroleum Exploration, Inc.
Skelly Oil Company
Stanolind Oil and Gas Company
Messrs. D. C. Hemsell

A. M. Rippel
L. E. Fitzjarrald
G. E. Benskin
G. L. Knight
O. I. Jones
E. M. Gorence
G. L. Sneed
H. E. Koopman
R. E. Parr
R. L. Powell (2)
R. L. Pulsifer (3)
E. R. Holt
D. M. McBride
L. D. Smythe (2)
G. P. Bunn
P. B. Cordry
T. E. Smiley (2)
S. E. Redman
Val. Reese
E. A. Humphrey (3)

SCHEDULE I
INITIAL PARTICIPATING AREA FOR MESAVERDE FORMATION
SAN JUAN 31-6 UNIT
RIO ARriba COUNTY, NEW MEXICO

New Mexico Principal Meridian

Township 30 North, Range 6 West
Sec. 6: Lots 8 & 9, S/2 NE/4, SE/4

The working interest under leases on the above described lands which have been committed to the Unit is vested:

Gas Rights

El Paso Natural Gas Company 100.000%*

Oil Rights

General American Oil Company of Texas 100.000%*

*Upon reimbursement for development costs the ownership will be:

Gas Rights

El Paso Natural Gas Company 87.500%

General American Oil Company of Texas 12.500%

Oil Rights

General American Oil Company of Texas 50.000%

Mike Abraham 50.000%

Royalties are payable on production from these lands to the Government under the provisions of Santa Fe lease:

079002

The United States of America owns one-eighth (1/8) royalty interest in the above federal lease.

Attached find: (1) A schedule, marked Exhibit "A", showing leases included in the participating area. (2) A schedule, marked Exhibit "B", a recap of committed acreage in the participating area.

EXHIBIT "A"
INITIAL PARTICIPATING AREA (Gas) FOR MESAVERDE FORMATION
SAN JUAN 31-6 UNIT
RIO ARriba COUNTY, NEW MEXICO

Tract #5

Lessee: Mike Abraham 1/2
Gordon Simpson 1/2
Serial Number: Santa Fe 079002
Lease Description: Township 30 North, Range 6 West
Sec. 6: Lots 8 & 9,
S/2 NE/4, SE/4
Amount of Acreage: 319.55 Acres
Percentage of Participation: 100.0000%
Overriding Royalties:
Mildred D. Olle, et al 5.00% 5.0000%
Royalty U.S.A.: 12.50% 12.5000%
Operating Rights:
El Paso Natural Gas Company 100.00%* 82.5000%

*Upon reimbursement for development costs the ownership of Gas Rights will be:

El Paso Natural Gas Company 87.500%
General American Oil Company of Texas 12.500%

EXHIBIT "B"
 INITIAL MESAVERDE PARTICIPATING AREA, (Gas), SAN JUAN 31-6 UNIT, RIO ARRIBA COUNTY, NEW MEXICO

Tract No.	Area Acres	Committed Acres	WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER	
			%	% of W.I. Participation	%	% of Production	%	% of Production		
5	319.55	319.55	82.500%*	100.000%	82.500%*	12.500%	12.500%	5.000%	5.000%	El Paso Natural Gas Company* (Gas Rights)
TOTALS	319.55	319.55		100.000%	82.500%		12.500%		5.000%	

TOTALS COMMITTED: TOTAL NET PERCENTAGE OF PARTICIPATION:

Federal Lands	319.55	100.000%	82.500%*
	Acres	Percentage	
			El Paso Natural Gas Company: 82.500%*
			Royalty Owners: 12.500%
			Overriding Royalty Owners: 5.000%
			100.000%

*Upon reimbursement for development costs, the working interest ownership of Gas Rights will be:

	Gross	Net
El Paso Natural Gas Company	87.500%	72.1875%
General American Oil Company of Texas	12.500%	10.3125%

PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA

10 West Wing Phillips Bldg.
February 16, 1953

LAND AND GEOLOGICAL DEPARTMENT

C. O. STARK, VICE PRESIDENT
D. E. LOUNSBERY, CHIEF GEOLOGIST
D. C. HEMSELL, MGR. LAND DIVISION
W. B. WEEKS, MGR. GEOLOGICAL SECTION
A. J. HINTZE, MGR. EXPLORATION SECTION

Re: San Juan Unit 31-6
Rio Arriba County,
New Mexico
Unit No. 14-08-001-464

Oil Conservation Commission
of the State of New Mexico
Santa Fe, New Mexico

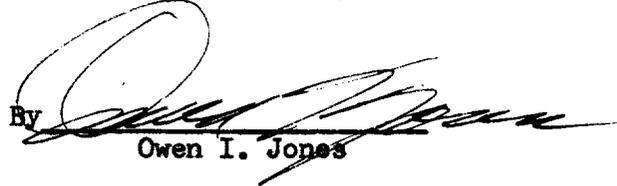
Gentlemen:

The above numbered Federal unit was approved by the Acting Director, United States Geological Survey, on February 11, 1953. We are enclosing for your files a fully executed copy of the Unit Agreement, and also a fully executed copy of the Unit Operating Agreement.

We sincerely appreciate your cooperation in connection with obtaining approval of this and other units by the State of New Mexico.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

By 

Owen I. Jones

OIJ:ndb
Registered - RR
encl.

cc: G. E. Benskin

