

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

February 10, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan Unit 28-4
Rio Arriba County, New Mexico
Non-commercial Well (Well No. 6-11)
Mesaverde Formation
Determined on November 19, 1956

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, determined on November 19, 1956, that the following described well was not capable of producing unitized substances in paying quantities from the Mesaverde formation.

The San Juan 28-4 No. 6-11 Well is located 1,075' from the South line and 925' from the East line of Section 11, Township 28 North, Range 4 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded on September 5, 1955. It reached a total depth of 6,580'. The well was then completed on April 23, 1956, in the Pictured Cliffs formation. The well was subsequently admitted to the Pictured Cliffs Participating Area of the subject Unit. In an attempt to dual complete this well in the Mesaverde formation, reworking operations were commenced on August 27, 1956. The well was shut-in for an initial potential test on September 4, 1956, subsequently the well was tested through 3/4" choke with SITP 1,050# and SICP 1,050#. The well gauged 631 MCFGPD CAOOF.

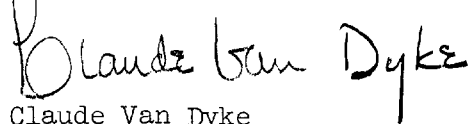
San Juan 28-4
Non-commercial well
February 10, 1958
Page 2

Inasmuch as the determination that the subject well was non-commercial in the Mesaverde formation needs no official approval, no provision is made therefor, and in the absence of disapproval, this well will be considered non-commercial until a contrary determination can be made on the basis of additional work and/or tests.

Copies of this letter are being sent to all the Working Interest Owners of the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

A handwritten signature in dark ink, reading "Claude Van Dyke". The signature is written in a cursive style with a large initial "C".

Claude Van Dyke
District Manager, Land Department

CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

January 15, 1958

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 28-4 Unit No. 14-08-001-933
Rio Arriba County, New Mexico
Disposition of 1957 Plan of
Development Wells

Pacific Northwest Pipeline Corporation, as Unit Operator of San Juan 28-4 Unit, filed a Plan of Development for the calendar year 1957 on December 20, 1956. This Plan proposed the drilling of four (4) Mesaverde Wells in 28-4 Unit. This Plan of Development was approved by the United States Geological Survey on January 28, 1957, the Commissioner of Public Lands on December 28, 1956, and the Oil Conservation Commission on February 28, 1957.

The four (4) wells on the 1957 Plan of Development which were approved were completed as follows:

<u>Well Name</u>	<u>Location</u>	<u>Date Completed</u>	<u>I. P.</u>
# 11-31	NE/4 Section 31, T 28 N, R 4 W	5-29-57	5,114 MCF CAOF
# 12-33	SW/4 Section 33, T 28 N, R 4 W	7-25-57	3,894 MCF CAOF
# 13-20	SW/4 Section 20, T 28 N, R 4 W	12-3-57	5,640 MCF CAOF
# 14-29	NE/4 Section 29, T 28 N, R 4 W	Drilling	-

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

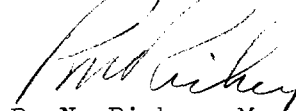
San Juan 28-4 Unit
January 15, 1958
Page 2

approval by letter dated December 4, 1957. It is requested that this letter concerning the disposition of the 1957 Plan of Development be made a part of the December 4, 1957 submittal of the 1958 Plan of Development.

Copies of this letter are being sent to all Working Interest Owners in the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

A handwritten signature in dark ink, appearing to read "R. N. Richey", is written over the typed name.

R. N. Richey, Manager
Land Department

RNR:CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 4, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Director
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: San Juan 28-4 Unit No. 14-08-001-933
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 28-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1958 to December 31, 1958:

<u>LOCATION</u>	<u>FORMATION</u>
S/2 Sec. 31, T 28 N, R 4 W	Mesaverde
S/2 Sec. 29, T 28 N, R 4 W	Mesaverde
N/2 Sec. 20, T 28 N, R 4 W	Mesaverde
N/2 Sec. 30, T 28 N, R 4 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.

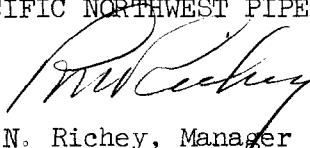
San Juan 28-4 Unit - Plan of Development 1958
December 4, 1957

If this drilling program is acceptable, please signify your approval, as required under Section 10 of the Unit Agreement, in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

Copies of this drilling program have been sent to the Working Interest Owners shown on the attached sheet.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

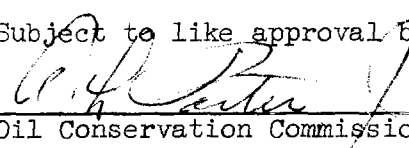
RNR:CVD:mdc
Attachment

APPROVED: _____ 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 28-4 UNIT

WORKING INTEREST OWNERS

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: R. F. Rood or R. A. Brown

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas
Attention: Mr. Sam Smith

Mr. M. A. Romero
134 S. Capitol Place
Santa Fe, New Mexico

Pan American Petroleum Corporation
P. O. Box 1410
Fort Worth, Texas
Attention: Mr. E. V. Hewitt

General American Oil Company of Texas
1404 Republic Bank Building
Dallas, Texas
Attention: Mr. W. H. Sparks

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

MAIN OFFICE 000

August 8, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

1957 AUG 16 AM 8:16

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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
SIXTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: August 1, 1957

file 151

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, approved July 24, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the Participating Area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Sixth Expansion is based is as follows:

SAN JUAN 28-4 MESAVERDE WELL # 12-33

LOCATION:	1850' from South line and 1850' from West line of Section 33, T 28 N, R 4 W, N.M.P.M.
ELEVATION:	7318' (grd.)
SPUD DATE:	May 3, 1957
CASING:	10 3/4" cemented at 195.5' with 200 sx 7 5/8" cemented at 4480' with 200 sx 5 1/2" liner cemented at 6629' with 200 sx.
TOTAL DEPTH:	6629'
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" liner and aqua-fraced (water only) Point Lookout intervals from 6402' to 6554' aqua-fraced (water only), Menefee intervals from 6114' to

Page Two
SIXTH EXPANSION - Mesaverde
San Juan 28-4 Unit

6192' and aqua-fraced (water only),
Cliff House intervals from 6034' to 6092'

TUBING: 2 3/8" hung at 6511.38'

COMPLETION TEST DATA

DATE: July 25, 1957

SHUT-IN-PERIOD: 8 days

FINAL SHUT-IN-PRESSURES: Tubing 1025 #
Casing 1157 #

RATE THROUGH TUBING AND
3/4" CHOKE AFTER THREE
HOUR BLOW DOWN: CAOF 3,894 MCFGPD

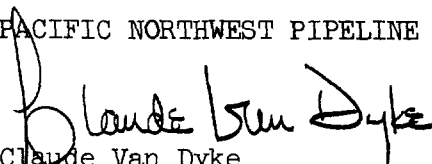
San Juan 28-4 Mesaverde Well # 12-33 is located upon the drilling block described as the S/2 of Section 33, Township 28 North, Range 4 West, N.M.P.M. This drilling block, containing 320 acres, is hereby admitted to the participating area. Attached is Schedule VII showing the Sixth Expanded Participating Area for the Mesaverde Formation of San Juan 28-4 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 28-4 Unit indicating the Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



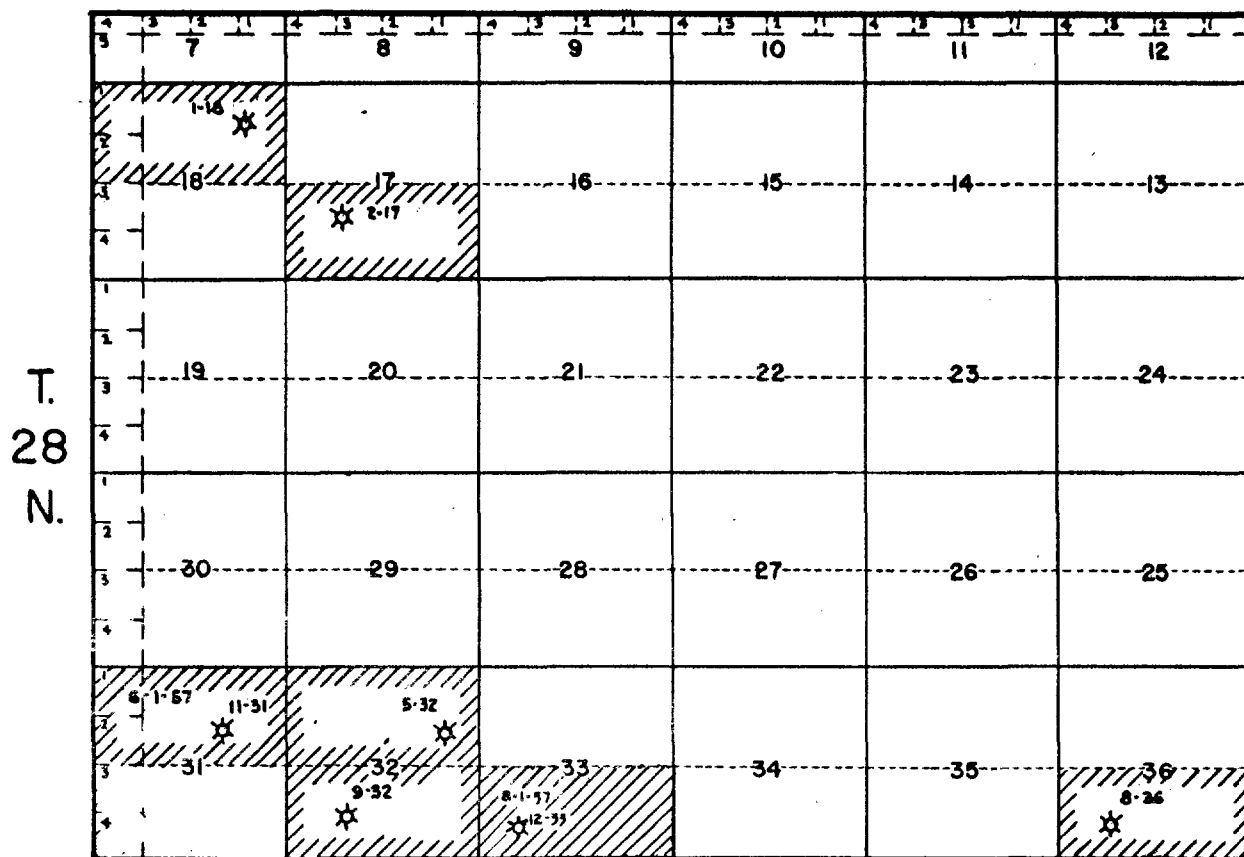
Claude Van Dyke
District Manager, Land Department

CVD: jc

Attachments

EXHIBIT "A"

R. 4 W.



SAN JUAN 28-4 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

SIXTH REVISION EFFECTIVE AUGUST 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

June 18, 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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
FIFTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: June 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

file 57

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, approved July 24, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the Participating Area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Fifth Expansion is based is as follows:

SAN JUAN 28-4 MESAVERDE WELL #11-31

letter 6-20-57

LOCATION:	1700' from South ^{North} line and 1760' from East ^{West} line of Section 31, T 28 N, R 4 W, N.M.P.M.
ELEVATION:	7303' (grd.)
SPUD DATE:	April 6, 1957
CASING:	10 3/4" cemented at 227.38' with 200 sx 7 5/8" cemented at 4456' with 150 sx 5 1/2" liner cemented at 6570' with 150 sx.
TOTAL DEPTH:	6577'
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" liner and aqua-fraced (water only) Point Lookout intervals from 6370' to 6536' aqua-fraced (water only), Menefee intervals from 6098' to

Page Two
FIFTH EXPANSION - Mesaverde
San Juan 28-4 Unit

6236' and aqua-fraced (water only),
Cliff House intervals from 5998'
to 6032'.

TUBING: 2 3/8" hung at 6525.96.

COMPLETION TEST DATA

DATE: May 29, 1957

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-PRESSURES: Tubing 1033#
Casing 1126#

RATE THROUGH TUBING AND 3/4"
CHOKE AFTER THREE HOUR BLOW
DOWN:

CAOF 5,114 MCF/GPD

San Juan 28-4 Mesaverde Well #11-31 is located upon the drilling block described as the N/2 of Section 31, Township 28 North, Range 4 West, 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 28-4 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 28-4 Unit indicating the Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 28-4 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 30, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Re: Transfer of Overriding Royalty
Interest in Unit Tract 1-A
San Juan Unit 28-4

The working interest and overriding royalty interest in Unit Tract 1-A
of the above-referenced unit should be changed to read as follows:

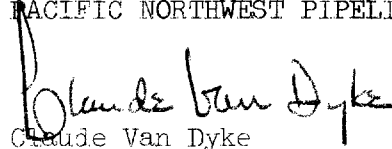
<u>Tract</u>	<u>Description</u>	<u>Working Interest</u>	<u>Overriding Royalty</u>
1-A	<u>T 28 N, R 4 W</u> Sec. 24: All Sec. 36: N/2 (all rights) S/2 (rights below the Mesaverde formation)	Champlin Oil and Refining Company	Roger B. Owings 1.8750% J. L. Tatum .9375% Neville G. Penrose .9375%
1-A	<u>T 28 N, R 4 W</u> Sec. 36: S/2 (Mesaverde rights)	Pacific Northwest Pipeline Corpora- tion	Same as above

This change in ownership will be effective April 1, 1957. Please change
your records accordingly.

Copies of this letter are being sent to all Working Interest Owners.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD:mdc
cc: All Working Interest Owners

551

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 8, 1957

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

file

Commissioner of Public Lands
State of New Mexico
P. O. Box 791
Santa Fe, New Mexico

Oil Conservation Commission
State of New Mexico
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

Re: San Juan 28-4 Unit
1957 Plan of Development

This is to advise that the 1957 Plan of Development for the San Juan 28-4 Unit has been approved as follows:

1. Supervisor, United States Geological Survey, January 28, 1957.
2. Commissioner of Public Lands, State of New Mexico, December 28, 1956.
3. Oil Conservation Commission, State of New Mexico, February 28, 1957.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Donald L. Anderson

Donald L. Anderson
District Manager, Land Department

DLA:mdc

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 28, 1957

C

O

P

Y

Pacific Northwest Pipeline Company
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. N. Richey

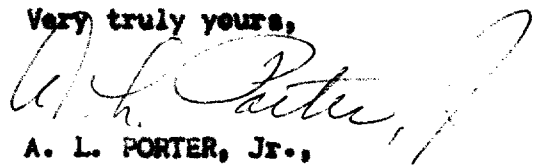
Re: San Juan 28-4 Unit
Rio Arriba County, New Mexico
Plan of Development
Calendar Year 1957

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Plan of Development for Calendar Year 1957 for the above-captioned unit area, dated December 20, 1956, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,



A. L. PORTER, Jr.,
Secretary-Director

ALP:DSN/ga

bcc: United States Geological Survey, Roswell, N. M.
Commissioner of Public Lands, Santa Fe, N. M.



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

January 28, 1957
file

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah

Attention: Mr. R. W. Richay

Gentlemen:

Your plan of development dated December 20, 1956, for the San Juan 22-4 Unit Area, New Mexico, for the calendar year 1957, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

(Orig. Sgd.) R. E. CANFIELD

R. E. CANFIELD
Acting Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/copy of plan)
Farmington (w/copy of plan)
Comm. of Public Lands, Santa Fe (letter only)
✓ Oil Cons. Comm., Santa Fe (letter only)

ILLEGIBLE

MAIN OFFICE 112

RECEIVED 11 21 1956

December 28, 1956

In reply refer to:
Unit Division

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

Re: San Juan 28-4 Unit -
Plan of Development,
Calendar Year 1957

Attention: Mr. R. N. Richey, Manager
Land Department

Gentlemen:

We are enclosing one copy of Plan of Development for the Calendar Year 1957 for the San Juan 28-4 Unit Agreement, which was approved by the Commissioner of Public Lands December 28, 1956.

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

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

ESW:MMR/m
enc: 1

cc: OCC-Santa Fe
USGS-Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

December 20, 1956

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: San Juan 28-4 Unit
Rio Arriba County, 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 28-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1957 to December 31, 1957:

<u>LOCATION</u>	<u>FORMATION</u>
N/2, Sec. 31, T-28-N, R-4-W	Mesaverde
S/2, Sec. 33, T-28-N, R-4-W	Mesaverde
S/2, Sec. 20, T-28-N, R-4-W	Mesaverde
N/2, Sec. 29, T-28-N, R-4-W	Mesaverde

The above wells will be drilled to intermediate casing point with conventional hydraulic rotary tools and the pay section will be drilled with gas tools. After running production casing through the Mesaverde, the gas sands will be perforated and fraced

In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, also plans to drill any offset wells required to prevent drainage of unitized substances.

If this drilling program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.


Re: San Juan 28-4 Unit

December 20, 1956

Copies of this drilling program are being sent to all Working Interest Owners in the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager,
Land Department.

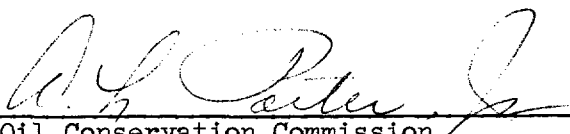
RNR:DLA:jl

APPROVED: _____ DATE: _____
Supervisor, United States Geological Survey

Subject to like approval by the appropriate State officials.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the U.S.G.S. and Oil Conservation Commission.

APPROVED:  DATE: 2-28-57
Oil Conservation Commission

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

October 18, 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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
FOURTH EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: October 1, 1956

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, approved July 24, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the Participating Area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Fourth Expansion is based is as follows:

SAN JUAN 28-4 MESAVERDE WELL #9-32

LOCATION:	1150' from South line and 1650' from West line of Section 32, T 28 N, R 4 W, N.M.P.M.
ELEVATION:	6,976.5' (grd.)
SPUD DATE:	June 29, 1956
CASING:	10 3/4" cemented at 198' with 160 sx 7 5/8" cemented at 4010' with 200 sx 5 1/2" liner cemented at 6231' with 150 sx
TOTAL DEPTH:	6231'
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
Fourth Expansion - Mesaverde
San Juan 28-4 Unit

October 18, 1956

COMPLETION METHOD:

Perforated 5 1/2" liner and aqua-fraced (water only) Lower Point Lookout intervals from 6198' to 6152', aqua-fraced (with sand), Upper Point Lookout intervals from 6032' to 6122', aqua-fraced (water only), Menefee intervals from 5760' to 5992' and aqua-fraced (water only), Cliff House intervals from 5658' to 5716'.

TUBING:

2" hung at 6018'

COMPLETION TEST DATA

DATE:

September 18, 1956

SHUT-IN-PERIOD:

7 days

FINAL SHUT-IN-PRESSURES:

Tubing 1155#
Casing 1151#

RATE THROUGH TUBING AND 3/4" CHOKE
AFTER THREE HOUR BLOW DOWN:

4907 MCFGPD; CAOF 8,442 MCFGPD

San Juan 28-4 Mesaverde Well #9-32 is located upon the drilling block described as the S/2 of Section 32, Township 28 North, Range 4 West, N.M.P.M. This drilling block is hereby admitted to the participating area. Attached is Schedule V showing the Fourth Expanded Participating Area for the Mesaverde Formation of San Juan 28-4 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 the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Donald L. Anderson, District Manager
Land Department

DLA/ebc
Attachment

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

October 15, 1956

REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Regional Supervisor
United States Geological Survey
Post Office Box 6721
Roswell, New Mexico

Commissioner of Public Lands
State of New Mexico
Post Office Box 791
Santa Fe, New Mexico

Re: (San Juan 28-4 Unit)
1956 Plan of Development

Oil Conservation Commission
State of New Mexico
Post Office Box 871
Santa Fe, New Mexico

Gentlemen:

The 1956 Plan of Development, as amended, for the referenced unit provided for the drilling of the wells which, with current status shown, are listed below:

Location	Well No.	Objective Formation	Completion Date	Well Test		Present Status
				3 Hr. IP Thru 3/4" Choke	CAOP	
S/2 Sec. 32-28N-4W	9-32	MV	9-18-56	4,907McF	8,442McF	Shut In
S/2 Sec. 36-28N-4W	-	PC	-	-	-	Not Drilled

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 S/2 Sec. 36, Township 28 North, Range 4 West is situated on leases wholly owned by Pacific and, if drilled would be at Pacific's sole cost and expense. Because of the forced reallocation of funds, we will be unable to drill this well as scheduled; and we must, therefore, delete it from the 1956 Plan of Development.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

R. N. Richey
R. N. RICHEY, Manager
Land Department

RNR:DLA:mb

481
PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

May 7, 1956

Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

file
Re: San Juan 23-4 Unit
Rio Arriba County, New Mexico
Notice of Change of Location
1956 Plan of Development Well

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Gentlemen:

This is to advise that because of conditions of terrain and accessibility to gathering lines, Pacific Northwest Pipeline Corporation, Unit Operator, is making the following location change in the approved 1956 Plan of Development:

FROM:

Township 28 North, Range 4 West, Section 36: NE/4,
Mesaverde Well.

TO:

Township 28 North, Range 4 West, Section 36: SE/4,
Pictured Cliffs Well.

Pacific Northwest Pipeline Corporation owns all of the working interest in each of the above locations.

Copies of this notice are being sent to all working interest owners in the San Juan 23-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

R. N. Richey
R. N. Richey, Manager
Land Department

RNR:DLA:mhg

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

April 4, 1956

file

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
FIRST EXPANDED PARTICIPATING AREA
FOR THE PICTURED CLIFFS 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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, approved July 24, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation has been completed upon acreage committed to this Unit, and that the participating area for the Pictured Cliffs Formation is accordingly expanded.

The well data upon which this First Expansion is based is as follows:

SAN JUAN 28-4 PICTURED CLIFFS WELL #6-11

LOCATION:	1075' from South line and 925' from East line of Section 11, T 28 N, R 4 W, N.M.P.M.
ELEVATION:	7,354.3' (grd.)
SPUD DATE:	September 5, 1955
CASING:	10 3/4" cemented at 216' with 110 sx 7 5/8" cemented at 4070' with 210 sx 5 1/2" cemented at 6571' with 240 sx
TOTAL DEPTH:	6580'

First Expansion - Pictured Cliffs
San Juan 28-4 Unit

April 4, 1956

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 (Pictured Cliffs
Formation):

Perforated 5 1/2" casing and aqua-fraced
Pictured Cliffs intervals from 4244' to
4290'

TUBING:

2" with Baker Model D production packer
hung at 5869' with Otis Choke at 4306'

PICTURED CLIFFS FORMATION COMPLETION TEST DATA

DATE:

November 12, 1955

SHUT-IN-PERIOD:

7 days

FINAL SHUT-IN-PRESSURES:

Casing 960 #

RATE BY PITOT TUBE AFTER
3 HOUR BLOW DOWN:

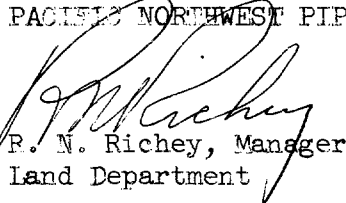
1892 Mcfgpd (thru casing and 2" flow nipple)

San Juan 28-4 Pictured Cliffs Well #6-11 is located upon the drilling block described as the S/2 of Section 11, Township 28 North, Range 4 West, N.M.P.M., and is in mechanical condition to produce gas from the Mesaverde formation. This drilling block is hereby admitted to the participating area. Attached is Schedule II showing the First Expanded Participating Area for the Pictured Cliffs Formation of San Juan 28-4 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 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

DIA:jce
Attachment

PACIFIC NORTHWEST PIPELINE CORPORATION

MAIN OFFICE, OCC

PHONE 7-0211

• SIMMS BUILDING

1235 APR 4 PM 1:18 ALBUQUERQUE, NEW MEXICO

April 2, 1956

Regional 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 28-4 Unit Agreement, approved July 24, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the Participating Area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Third Expansion is based is as follows:

SAN JUAN 28-4 MESAVERDE WELL #8-36

LOCATION:	830' from South line and 1560' from West line of Section 36, T 28 N, R 4 W, N.M.P.M.
ELEVATION:	7,144.8' (grd.)
SPUD DATE:	November 5, 1955
CASING:	10 3/4" cemented at 172' with 110 sx 7 5/8" cemented at 4245' with 200 sx 5 1/2" cemented at 6388' with 150 sx
TOTAL DEPTH:	6388'; PB 6383'
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 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
THIRD EXPANDED PARTICIPATING AREA
FOR THE MESAVERDE FORMATION
Effective: January 1, 1956

file

Page Two
Third Expansion - Mesaverde
San Juan 28-4 Unit

April 2, 1956

COMPLETION METHOD:

Perforated 5 1/2" casing and aqua-
fraced Cliff House intervals from
5916' to 6008', Menefee intervals
from 6078' to 6204' and Point
Lookout intervals from 6260' to
6368'.

TUBING:

2" hung at 6285'

COMPLETION TEST DATA

DATE:

December 21, 1955

SHUT-IN-PERIOD:

11 days

FINAL SHUT-IN-PRESSURES:

Tubing 1173 #
Casing 1232 #

RATE BY PITOT TUBE AFTER
THREE HOUR BLOW DOWN:

2,042 Mcfgpd.

San Juan 28-4 Mesaverde Well #8-36 is located upon the drilling block described as the S/2 of Section 36, Township 28 North, Range 4 West, N.M.P.M. This drilling block is hereby admitted to the participating area. Attached is Schedule IV showing the Third Expanded Participating Area for the Mesaverde Formation of San Juan 28-4 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 the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

DIA:joe
Attachment



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
Simms Building
Albuquerque, New Mexico

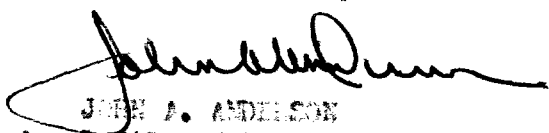
Attention: Mr. E. H. Pichey

Gentlemen:

Your plan of development dated December 9, 1955, for the San Juan 28-4 Unit Area, New Mexico, for the calendar year 1956, has been approved on this date subject to like approval by the appropriate State of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,


JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Enclosure

Copy to: Wash. (w/copy of plan)
Farmington (w/copy of plan)
Gen. of Public Lands, Santa Fe (letter only)
Oil Cons. Div., Santa Fe (letter only)

ILLEGIBLE

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

January 17, 1956

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

jce

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 28-4) Unit #14-08-001-933
Approval of Initial Participating Area -
Pictured Cliffs Formation
Effective September 2, 1955

Gentlemen:

This is to advise that the Initial Participating Area for the Pictured Cliffs Formation has been approved effective September 2, 1955 for the San Juan 28-4 Unit.

The approvals are as follows:

1. Acting Director, United States Geological Survey, December 30, 1955.
2. Commissioner of Public Lands, November 3, 1955.
3. Oil Conservation Commission, November 18, 1955.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

D. L. Anderson
Donald L. Anderson,
Land Department

DLA:jce

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

551

January 5, 1956

Pacific Northwest Pipeline Corporation
Simms Building
Albuquerque, New Mexico

file

Attention: Mr. R. N. Richey

Re: (San Juan 28-4 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 28-4 Unit Area, dated December 9, 1955, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey, and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: U. S. Geological Survey, Roswell
Commissioner of Public Lands, Santa Fe

C
O
P
Y

December 29, 1955

Pacific Northwest Pipeline Corporation
Simms Building
Albuquerque, New Mexico

Re: (San Juan 28-4 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 28-4 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 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

file

December 12, 1955

Regional Supervisor
United States Geological Survey
Department of the Interior
Roswell, New Mexico

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, approved July 24, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities has been completed upon acreage committed to this unit, and that the Participating Area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Second Expansion is based is as follows:

SAN JUAN 28-4 MESAVERDE WELL #5-32

LOCATION:	1700' from North line and 700' from East line of Section 32, T 28 N, R. 4 W, N.M.P.M.
ELEVATION:	7334' (grd.)
SPUD DATE:	September 24, 1953
CASING:	9 5/8" cemented at 446' with 350 sx 7" cemented at 6460' with 245 sx
TOTAL DEPTH:	6700'
DRILLING METHODS:	Conventional rotary to total depth
COMPLETION METHOD:	Sand-oil fraced Mesaverde open hole interval from 6650' to 6700'

Page Two

Second Expansion - Mesaverde
San Juan 28-4 Unit

December 12, 1955

TUBING:

2 3/8" hung at 6650'. Perforated
four holes in tubing at 6445' -
6446' on November 28, 1955

COMPLETION TEST DATA

DATE:

November 28, 1955

FINAL SHUT-IN-PRESSURES:

Tubing 1163 #
Casing 1159 #

RATE BY PITOT TUBE AFTER
3 HOUR BLOW DOWN:

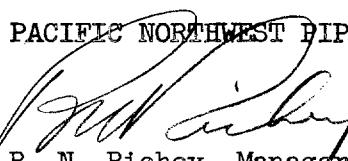
1885 Mcfgpd.

San Juan 28-4 Mesaverde Well #5-32 (also known as E. C. Valdez #1) is located upon the drilling block described as the N/2 of Section 32, Township 28 North, Range 4 West, N.M.P.M. This drilling block is hereby admitted to the participating area. Attached is Schedule III showing the Second Expanded Participating Area for the Mesaverde Formation of San Juan 28-4 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 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



R. N. Richey, Manager
Land Department

DLA:jce
Enclosure

SCHEDULE III
SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION
SAN JUAN 28-4 UNIT AREA
EFFECTIVE: DECEMBER 1, 1955

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 5					
SF 079729	T 28 N, R 4 W Sec. 17: S/2	320.00	Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	33.351399 %
TRACT 9					
San Juan 28-4 Mesaverde Well #2	Sec. 17: S/2	320.00		100.00 % <u>100.00 %</u>	33.351399 %
TRACT 9					
N.M. 03862	T 28 N, R 4 W Sec. 18: N/2	319.48	Working Interest: El Paso Natural Gas Company Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	33.297202 %
San Juan 28-4 Mesaverde Well #1	Sec. 18: N/2	319.48		100.00 % <u>100.00 %</u>	33.297202 %

Second Expansion - Mesaverde
San Juan 28-4 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE		COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP			
TRACT 7						
SF 079731	T 28 N, R 4 W Sec. 32: N/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:	85.00 % 12.50 % 2.50 % TOTAL 100.00 %	85.00 % 12.50 % 2.50 % 100.00 %	33.351399 %
San Juan 28-4 Mesaverde Well #5-32 (Also known as F. C. Valdez #1)			Sec. 32: N/2		100.00 %	33.351399 %

SCHEDULE III
 SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERTIDE FORMATION
 SAN JUAN 28-4 UNIT
 EFFECTIVE: DECEMBER 1, 1955

RECAPITULATION

Description of lands in Participating Area:

Township 28 North, Range 4 West, N.M.P.M.

Sec. 17: S/2
 Sec. 18: N/2
 Sec. 32: W/2

Total number of acres in Participating Area:	959.48
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 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

December 9, 1955

Re: San Juan 28-4 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 28-4 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, is submitting this Plan of Development providing for the drilling of the following wells during the period from January 1, 1956 to December 31, 1956:

LOCATION

FORMATION

S $\frac{1}{2}$ Sec. 32
N $\frac{1}{2}$ Sec. 36

Mesaverde
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.

Re: San Juan 28-4 Unit

2

December 9, 1955

If this drilling program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided below and return an approved copy to Pacific Northwest Pipeline Corporation.

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

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORP.

orig/s/

R. N. RICHEY, Manager,
Land Department.

RNR:DNC:gm

Approved.....JAN 5. 1956.....19.....

.....*W B Macey*.....
Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

THIS APPROVAL GRANTED SUBJECT TO LIKE APPROVAL
BEING GRANTED BY THE UNITED STATES GEOLOGICAL
SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO.

SAN JUAN 28-4 UNIT

WORKING INTEREST OWNERS

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma.
Attention: Mr. G. E. Benskin.

Stanolind Oil and Gas Company
Oil and Gas Building
Fort Worth, Texas.
Attention: Mr. C. F. Bedford.

El Paso Natural Gas Company
P. O. Box 1492
El Paso, Texas.
Attention: Mr. R. L. Hamblin.

Mr. M. A. Romero
134 S. Capitol Place
Santa Fe, New Mexico.

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio.

General American Oil Company of Texas
1404 Republic Bank Building
Dallas, Texas.
Attention: Mr. W. H. Sparks.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 18, 1955

Pacific Northwest Pipeline Corp.
Simms Building
Albuquerque, New Mexico

Attention: Mr. R. N. Richey

Re: San Juan 28-4 Unit
Rio Arriba County
Initial Participating Area,
Pictured Cliffs Formation

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Initial Participating Area for the Pictured Cliffs Formation in the subject unit area, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

We are enclosing eight copies of the request for approval, all of which have been signed by the Commissioner of Public Lands and the Secretary-Director of the Oil Conservation Commission.

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

November 18, 1955

file

Pacific Northwest Pipeline Corp.
Simms Building
Albuquerque, New Mexico

Attention: Mr. R. N. Richey

Re: (San Juan 28-4 Unit)
Rio Arriba County, N. M.
1955 Supplemental Plan
of Development

Gentlemen:

This is to advise that the Supplemental Plan of Development for the above unit, dated October 27, 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.

This Supplemental Plan supercedes the one dated October 11, 1955, which was in error.

One approved copy of the Plan is returned herewith.

Very truly yours,

W. B. Macey
Secretary-Direttor

WBM:jh

cc: U. S. Geological Survey, Roswell
Commissioner of Public Lands, Santa Fe

C
O
P
Y

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

November 9, 1955

Regional Supervisor
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

Re: San Juan 28-4 Unit #14-08-001-933
Rio Arriba County, New Mexico
REQUEST FOR APPROVAL
INITIAL PARTICIPATING AREA
PICTURED CLIFFS FORMATION
Effective: September 2, 1955

*retain one
copy for
OCC files.*

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, approved July 24, 1953, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby requests approval of the initial participating area for the Pictured Cliffs Formation. A well capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation has been completed upon acreage committed to this Unit, and accordingly we submit for your approval the Initial Participating Area for the Pictured Cliffs Formation.

The well data upon which this initial participating area is based is as follows:

SAN JUAN 28-4 PICTURED CLIFFS WELL #7-12

LOCATION:	1075' from south line and 800' from east line of Sec. 12, T 28 N, R 4 W, N.M.P.M.
ELEVATION:	7192.5' (grd.)
SPUD DATE:	August 1, 1955
CASING:	8 5/8" cemented at 249' with 125 sx 5 1/2" cemented at 3,912' with 150 sx
TOTAL DEPTH:	4145'
DRILLING METHODS:	Conventional rotary to total depth; drilled with gas below 5 1/2" casing

Initial Participating Area - P. C.
San Juan 28-4 Unit
Effective: September 2, 1955

November 2, 1955

COMPLETION METHOD: Sand-oil fraced Pictured Cliffs
open hole interval from 3912'
to 4145'

TUBING: 2" hung at 4097'

COMPLETION TEST DATA

DATE: September 2, 1955

SHUT-IN-PERIOD: 10 days

FINAL SHUT-IN-PRESSURES: Tubing 1013 #
Casing 1013 #

RATE BY PITOT TUBE 1058 Mcfgpd
AFTER 3 HOUR BLOW DOWN:

San Juan 28-4 Pictured Cliffs well #7-12 is located upon the drilling block described as the S/2 of Sec. 12, T 28 N, R 4 W, N.M.P.M.

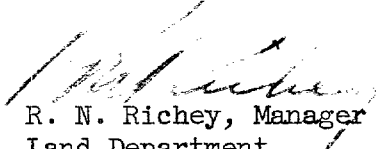
Attached is Schedule 1, showing the Initial Participating Area for the Pictured Cliffs Formation of San Juan 28-4 Unit Area. This describes the initial participating area and shows the percentage of unitized substances allocated to the unitized tract.

If this initial participating area meets with your approval, please indicate such approval in the space provided and return one approved copy for our files.

Copies of this letter and schedule are being sent to all working interest owners within San Juan 28-4 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

DLA:jce

Initial Participating Area - P. C.
San Juan 28-4 Unit
Effective: September 2, 1955

November 2, 1955

APPROVED: _____ DATE: _____
Regional Oil and Gas Supervisor
United States Geological Survey

Subject to like approval by the Commissioner of Public Lands of the
State of New Mexico, and Oil Conservation Commission of the State
of New Mexico.

APPROVED: E. Scovel DATE: November 3, 1955
Commissioner of Public Lands

Subject to like approval by the Regional Oil and Gas Supervisor of the
United States Geological Survey and Oil Conservation Commission of the
State of New Mexico.

APPROVED: W B Macey DATE: 11/18/55
Oil Conservation Commission

Subject to like approval by the Regional Oil and Gas Supervisor of the
United States Geological Survey and the Commissioner of Public Lands
of the State of New Mexico.

SCHEDULE 1

INITIAL PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION

SAN JUAN 28-4 UNIT AREA

EFFECTIVE SEPTEMBER 2, 1955

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 3					
SF 079727-A	T 28 N, R 4 W Sec. 12: Lots 1, 2, 3, 4 S/2 S/2	228.72	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	100.000000 %
San Juan 28-4 P.C. Well #7-12	Sec. 12: S/2	228.72		100.00 %	100.000000 %

Initial Participating Area - Effective September 2, 1955
 San Juan 28-4 Unit

SCHEDULE 1
 INITIAL PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION
 SAN JUAN 28-4 UNIT AREA
 EFFECTIVE SEPTEMBER 2, 1955

RECAPITULATION

Description of lands in Participating Area:

Township 28 North, Range 4 West, N.M.P.M.

Sec. 12: Lots 1, 2, 3, 4
 S/2 S/2

Total Number of Acres in Participating Area:	228.72
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

November 2, 1955

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 28-4 Unit #14-08-001-933
Initial Participating Area - Pictured
Cliffs Formation

Gentlemen:

I enclose ten copies of "Schedule I, Initial Participating Area for the Pictured Cliffs Formation, San Juan 28-4 Unit". Since this is an initial participating area, it is necessary that the schedule be submitted to the United States Geological Survey, Department of the Interior in Washington after approvals have been acquired from the Commissioner of Public Lands of the State of New Mexico and the Oil Conservation Commission of the State of New Mexico. Consequently, to facilitate matters, it is respectfully requested that if the enclosed Initial Participating Area Schedule meets with your approval, you sign in the appropriate space and transmit the approved copies to the Oil Conservation Commission of the State of New Mexico, Attention Mr. William B. Macey. I have enclosed a sufficient number of copies so that you may retain a copy for your files.

By copy of this letter to the Oil Conservation Commission of the State of New Mexico, Attention Mr. William B. Macey, I am asking that if the Initial Participating Area Schedule meets with the Commission's approval, that all of the copies be signed in the appropriate space, retaining one copy for the Commission's files and transmitting the remaining eight copies directly to me for transmittal to the United States Geological Survey.

Thank you very much for your cooperation.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Donald L. Anderson,
Land Department

DLA:jce
Enclosures

cc: ✓ Oil Conservation Commission



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

October 31, 1955

file

Pacific Northwest Pipeline Corp.
Simms Building
Albuquerque, New Mexico

Gentlemen:

The supplemental plan of development dated October 27, 1955, for the San Juan 28-4 unit area, New Mexico, No. 14-08-001-933 has been approved on this date, subject to like approval by the appropriate State officials.

The subject plan corrects the location of the well proposed in the supplemental plan dated October 11, 1955.

One approved copy of said plan is returned herewith.

Very truly yours,

R. E. Canfield
R. E. CANFIELD
Acting Oil and Gas Supervisor

Enclosure

Copy to: Cons. Div., Wash (w/1 copy of plan)
Farmington (w/1 copy of plan)
NMOCC, Santa Fe (ltr only) ✓

ILLEGIBLE

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

October 27, 1955

file

Pacific Northwest Pipeline Corp.
Simms Building
Albuquerque, New Mexico

Attention: Mr. R. N. Richey

Re: (San Juan 28-4 Unit)
Rio Arriba County, New Mexico
1955 Supplemental Plan of
Development.

Gentlemen:

This is to advise that the 1955 Supplemental Plan of Development for the above-captioned unit, dated October 11, 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.

We presume that the location of this additional Mesaverde well should correctly be the W/2 Section 26, Township 28 North, Range 4 West, rather than Range 8 West as was stated in the Supplemental Plan.

One approved copy of the plan is returned herewith.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: USGS - Roswell

Commissioner of Public Lands, Santa Fe

C
O
P
Y

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

October 11, 1955

Re: 1955 Supplemental Plan of Development
San Juan 28-4 Unit
Serial #14-08-001-933
Rio Arriba County, New Mexico

Regional Oil and Gas Supervisor
United States Geological Survey
Department of the Interior
P. O. 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

Gentlemen:

Pacific Northwest Pipeline Corporation, as Unit Operator of the San Juan 28-4 Unit effective July 1, 1955, submits for your approval a Supplemental Plan of Development for 1955.

Of the two wells which have previously been approved under the 1955 Plan of Development, one well was completed September 2, 1955 and the other well is now being drilled. Pacific Northwest Pipeline Corporation, as Unit Operator, plans to drill one additional Mesaverde well during the remainder of the year 1955 on the following drilling block which is fully owned by Pacific Northwest Pipeline Corporation:

Township 28 North, Range 8 West
Section 26: W₂

Pacific plans to drill this well to casing point with conventional hydraulic rotary tools and to drill the pay section with gas tools individually aqua-frac treating all potential pay sections of the Mesaverde.

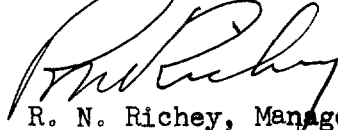
*Supervised by field
plan Oct 27*

Page Two.
1955 Supplemental Plan of Development
San Juan 28-4 Unit

Your approval of this Supplemental Plan of Development for the remainder of the calendar year 1955 is respectfully requested.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

DLA:jce

APPROVED: _____ DATE: _____
Regional Oil and Gas Supervisor
United States Geological Survey

Subject to like approval by the Commissioner of Public Lands of the State of New Mexico and Oil Conservation Commission of the State of New Mexico.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the Regional Oil and Gas Supervisor of the United States Geological Survey and Oil Conservation Commission of the State of New Mexico.

APPROVED: W. W. Macey DATE: 10-27-55
Oil Conservation Commission

Subject to like approval by the Regional Oil and Gas Supervisor of the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

October 27, 1955

Re: 1955 Supplemental Plan of Development
San Juan 28-4 Unit
Serial #14-08-001-933
Rio Arriba County, New Mexico

Regional Oil and Gas Supervisor
United States Geological Survey
Department of the Interior
P. O. 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

Gentlemen:

Under date of October 26, 1955 Pacific Northwest Pipeline Corporation, as Unit Operator of the San Juan 28-4 Unit effective July 1, 1955, submitted for your approval a Supplemental Plan of Development for 1955. The drilling block for the additional well set forth therein was in error and it is now desired to state the correct area. Will you please therefore destroy the 1955 Supplemental Plan of Development for the San Juan 28-4 Unit dated October 26, 1955 which has been submitted to you and substituting therefor this submittal.

Of the two wells which have previously been approved under the 1955 Plan of Development, one well was completed September 2, 1955 and the other well is now being drilled. Pacific Northwest Pipeline Corporation, as Unit Operator, plans to drill one additional Mesaverde well during the remainder of the year 1955 on the following drilling block which is fully owned by Pacific Northwest Pipeline Corporation:

Township 28 North, Range 4 West
Section 36: S $\frac{1}{2}$

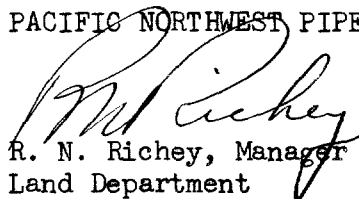
Page Two.
1955 Supplemental Plan of Development
San Juan 28-4 Unit

Pacific plans to drill this well to casing point with conventional hydraulic rotary tools and to drill the pay section with gas tools individually aqua-frac treating all potential pay sections of the Mesaverde.

Your approval of this Supplemental Plan of Development for the remainder of the calendar year 1955 is respectfully requested.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

DLA:jce

APPROVED: _____ DATE: _____
Regional Oil and Gas Supervisor
United States Geological Survey

Subject to like approval by the Commissioner of Public Lands of the State of New Mexico, and Oil Conservation Commission of the State of New Mexico.

APPROVED: _____ DATE: _____
Commissioner of Public Lands

Subject to like approval by the Regional Oil and Gas Supervisor of the United States Geological Survey and Oil Conservation Commission of the State of New Mexico.

APPROVED: W B Macey DATE: 11/18/55
Oil Conservation Commission

Subject to like approval by the Regional Oil and Gas Supervisor of the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

October 25, 1955

file

Pacific Northwest Pipeline Corp.
Simms Building
Albuquerque, New Mexico

Re: (1955 Supplemental Plan)
of Development
San Juan 28-4 Unit
Rio Arriba County

Gentlemen:

This is to advise that the Supplemental Drilling Program for 1955, on the above designated Unit, has this date been approved by the Commissioner of Public Lands, subject to like approval by the proper Officials, and same is enclosed herewith.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

Encl.
cc: OCO-Santa Fe
USGS-Roswell
MMR/m

PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING
ALBUQUERQUE, NEW MEXICO

file

October 25, 1955

Re: (San Juan 28-4 Unit
No. 14-08-001-933,
Rio Arriba County,
New Mexico.

Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico.

Attention: Mr. W. B. Macey.

Gentlemen:

We forward herewith for the completion of your San Juan 28-4 Unit Agreement one approved copy of the Designation of Pacific Northwest Pipeline Corporation as Successor Unit Operator.

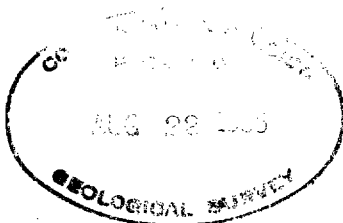
Please note that the change of Unit Operator for San Juan 28-4 Unit Area was effective as of July 1, 1955.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

D. N. Canfield
D. N. CANFIELD,
Land Department.

DNC:gm
Enclosure.



DESIGNATION OF SUCCESSOR UNIT OPERATOR

SAN JUAN 28-4 UNIT AREA
RIO ARRIBA COUNTY, NEW MEXICO
14-08-001-933

ILLEGIBLE

THIS INSTRUMENT, dated as of this 30th day of June, 1955, by and between PACIFIC NORTHWEST PIPELINE CORPORATION, hereinafter designated as "First Party," and the owners of unitized working interests, hereinafter designated as "Second Parties."

WITNESSETH:

WHEREAS, under the provisions of the act of February 25, 1920, 41 Stat. 437, 30 U.S.C. Secs. 181, et seq., as amended by the act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 24th day of July, 1953, approved a unit agreement for the 28-4 Unit Area, wherein El Paso Natural Gas Company is Designated Unit Operator; and

WHEREAS, said El Paso Natural Gas Company has resigned as such operator, and the designation of a successor Unit Operator is now required pursuant to the terms thereof; and

WHEREAS, the First Party has been and hereby is designated by the Second Parties as Unit Operator, and said First Party desires to assume all the rights, duties and obligations of Unit Operator under the said unit agreement;

NOW, THEREFORE, in consideration of the premises hereinabove set forth and the premises hereinafter stated, the First Party hereby covenants and agrees to fulfill the duties and assume the obligations of unit operator under and pursuant to all the terms of the 28-4 Unit Agreement and the Second Parties covenant and agree that, effective upon approval of this instrument by the Director of the Geological Survey, First Party shall be granted the exclusive right and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said unit agreement; said unit agreement being hereby incorporated herein by reference and made a part hereof as fully and effectively as though said unit agreement were expressly set forth in this instrument.

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

ATTEST:

PACIFIC NORTHWEST PIPELINE CORPORATION

W. H. Keyser
Asst. Secretary

By *J. M. Lund*
Vice-President
First Party

ATTEST:

EL PASO NATURAL GAS COMPANY

A. C. Martch
Asst. Secretary

By *A. H. Shaw* R.L.H.
Vice President

ATTEST:

PHILLIPS PETROLEUM COMPANY

R. L. Hunsch
Asst. Secretary

By *H. H. Hunsch*
Vice President

ATTEST:

STANOLIND OIL AND GAS COMPANY

A. J. Datta
Assistant Secretary

By *A. J. Datta*
President

ATTORNEY-IN-FACT

Second Parties



The undersigned hereby approve the foregoing indenture designating Pacific Northwest Pipeline Corporation as Unit Operator under the Unit Agreement for the 28-4 Unit Area, as of the 1st day of July, 1955.

Arthur J. Baker SEP - 1 1955
Acting Director of the Geological Survey

APPROVAL GRANTED SUBJECT TO LIKE APPROVAL
BY THE UNITED STATES GEOLOGICAL
SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS
OF THE STATE OF NEW MEXICO.

W B Macey
Oil Conservation Commission
of the State of New Mexico

Ed Walker
Commissioner of Public Lands
of the State of New Mexico



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

File

October 12, 1955

Pacific Northwest Pipeline Corporation
Sims Building
Albuquerque, New Mexico

Gentlemen:

The supplemental plan of development dated October 11, 1955, for the (San Juan 28-4 unit) area, New Mexico, No. 14-08-001-933 has been approved on this date, subject to like approval by the appropriate State officials.

The supplemental plan provides for the drilling of an additional Mesaverde well making a total of three Mesaverde wells to be drilled during the calendar year.

One approved copy of said plan is returned herewith.

Very truly yours,

[Signature]
E. E. CANFIELD
Acting Oil and Gas Supervisor

Enclosure

Copy to: Cons.Div., Wash (w/1 copy of plan)
Farmington (w/1 copy of plan)
NMOCC, Santa Fe (1tr only) ✓

ILLEGIBLE

RESIGNATION OF UNIT OPERATOR

file

San Juan 28-4 Unit Area
Rio Arriba County, New Mexico
14-08-001-933

To The Honorable Director of the U. S. Geological Survey
Washington, D. C.

To The Honorable The Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

To The Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

To The Working Interest Owners under said Unit Agreement

Gentlemen:

El Paso Natural Gas Company, Unit Operator under the
above described Unit Agreement, and pursuant to the provi-
sions of Section 5, of said agreement, hereby respectfully
resigns as Unit Operator under said Unit Agreement effect-
ive July 1, 1955, and gives notice of such
resignation.

Very truly yours,

ATTEST:

EL PASO NATURAL GAS COMPANY

W. H. Mantch
Assistant Secretary

By *H. F. Shaw*
Vice President

Date *July 7, 1955*

El Paso Natural Gas Company

El Paso, Texas

May 12, 1955

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 28-4 Unit Area
#14-08-001-933
Rio Arriba County, New Mexico
Notice of Approval of Amended
Plan of Development for the
Calendar Year 1955

Gentlemen:

This is to advise that the Amended Plan of Development for the San Juan 28-4 Unit Area for the calendar year 1955 was approved as follows:

1. Regional Supervisor, United States Geological Survey, April 29, 1955
2. Commissioner of Public Lands, State of New Mexico, May 3, 1955.
3. Oil Conservation Commission, State of New Mexico, May 2, 1955.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



T. W. Bittick
Area Landman
Lease Department

TWB:BG:pb
cc: Attached List

May 3, 1955

file

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

Re: San Juan 28-4 Unit
#14-08-001-933
San Juan 29-4 Unit
#14-08-001-1055
San Juan 30-4 Unit
#14-08-001-1056
Amended Drilling Program 1955

Gentlemen:

This is to advise that the Amended Plan of Drilling 1955 for the above captioned Units, have this date been approved by the Commissioner of Public Lands, subject to like approval by the United States Geological Survey and by the New Mexico Oil Conservation Commission.

One approved copy of each of said listed plans is returned herewith.

Very truly yours,

dk
E. S. Walker
COMMISSIONER OF PUBLIC LANDS

Encl.
cc: USGS, Roswell
Occ, Santa Fe
MR:M

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

May 2, 1955

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

Attention: Mr. R. L. Hamblin

File
com
Re: San Juan 28-4 Unit
Rio Arriba County, N. M.
1955 Amended Plan of Development

Gentlemen:

This is to advise that the Amended Plan of Development for the above-captioned unit, dated April 22, 1955, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

In addition to the proposed wells, adequate offset wells must be drilled to protect the unit from drainage as provided in the unit agreement.

One approved copy of said plan is returned herewith.

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
MAIN OFFICE 000
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

April 29, 1955

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

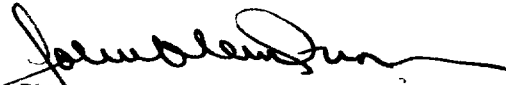
Gentlemen:

The amended plan of development dated April 22 for the San Juan 28-4 unit area, New Mexico, No. 14-08-001-933 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/l copy of plan)
Farmington (w/l copy of plan)
NMOCC, Santa Fe (ltr only) ✓

~~Enclosure~~

El Paso Natural Gas Company

El Paso, Texas

April 22, 1955

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission
of the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

approved 5/3/55

Re: San Juan 28-4 Unit
#14-08-001-933
Rio Arriba County, New Mexico
Amended Drilling Program 1955

Gentlemen:

On December 31, 1954, El Paso Natural Gas Company, as Unit Operator, submitted for your approval a Drilling Program for the calendar year 1955, for the San Juan 28-4 Unit Area. By letters dated February 15, 1955, and February 10, 1955, respectively, the United States Geological Survey and the New Mexico Oil Conservation Commission, accepted the Drilling Program and required an amended plan be filed on or before April 15, 1955, providing for the drilling of not less than two (2) development and exploration wells drilled at least to the base of the Mesaverde formation unless production in paying quantities is found at a lesser depth. By letter dated April 18, 1955, the United States Geological Survey extended the time for filing this amended Drilling Program until May 15, 1955.

All working interest owners have been contacted for the purpose of complying with these requests, and El Paso Natural Gas Company, as Unit Operator, now submits for your approval an amended Drilling Program for the calendar year 1955, providing for the drilling of two Mesaverde wells, unless as stated above, production in paying quantities is found at a lesser depth. These wells are to be drilled on the following locations:

S/2 Section 11, T-28-N, R-4-W
S/2 Section 12, T-28-N, R-4-W

Page 2

Amended Drilling Program, 1955
United States Geological Survey

These wells will be drilled in accordance with your operating regulations and due care will be taken to protect known horizons.

It is understood that the Plan of Development herein outlined may be modified from time to time with the approval of the Supervisor, the Commissioner, and the Commission to meet changing conditions.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



R. L. Hamblin

Manager

Lease Department

RLH/BG/mas

APPROVED: _____
Supervisor, United States Geological Survey

Date: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____
Commissioner of Public Lands

Date: _____

Subject to like approval by the U.S.G.S. and Oil Conservation Commission

APPROVED: *orig. s/ Worne* _____
Oil Conservation Commission

Date: *5/3/55* _____

Subject to like approval by the U.S.G.S. and Commissioner of Public Lands



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
March 3, 1955

P. O. Box 6721
Roswell, New Mexico

April 18, 1955

fill

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

Attention: Mr. Roland L. Hamblin

Gentlemen:

Reference is made to your telegram of April 15, requesting a thirty day extension of time until May 15, 1955, within which to file amended development plans for the San Juan 28-4 29-4, and 30-4 unit areas, New Mexico. You stated that you now have the necessary consents and that you expect approval of the drilling programs by the working interest owners by May 1, 1955.

The extension requested is hereby approved subject to like approval by the appropriate State officials.

Very truly yours,

(Orig. Sgd.) H. E. CANFIELD

H. E. CANFIELD
Acting Oil and Gas Supervisor

am

Copy to: Cons. Div.-Washington
Farmington
N.M.O.C.C., Santa Fe ✓

ILLEGIBLE

EL PASO NATURAL GAS COMPANY

El Paso Office

TELEGRAM

Type of Service:

WUX Western Union

Fast Telegram ☒Day Letter ☐Night Letter ☐TWX Telephone Company ☐Prepaid ☒ Collect ☐Date APRIL 15, 1955

For use of teletype operator

A.M.

Time sent _____ P.M.

By _____

To:

MR. JOHN A. ANDERSON
REGIONAL OIL & GAS SUPERVISOR
UNITED STATES GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

IN ACCORDANCE WITH OUR TELEPHONE CONVERSATION, EL PASO IS REQUESTING A THIRTY DAY EXTENSION OF TIME WITHIN WHICH TO FILE DRILLING PROGRAMS ON SAN JUAN 28-4, 29-4, AND 30-4 UNITS. AS WE HAVE ADVISED YOU WE HAVE HAD A GREAT DEAL OF DIFFICULTY OBTAINING CONSENT OF ALL WORKING INTEREST OWNERS NECESSARY TO DRILL ADDITIONAL WELLS. WE NOW BELIEVE THAT WE HAVE FINALLY OBTAINED NECESSARY CONSENT. EXPECT WE CAN HAVE DRILLING PROGRAMS APPROVED BY WORKING INTEREST OWNERS APPROXIMATELY MAY 1ST. PLEASE CONSIDER THIS TELEGRAM AS A REQUEST FOR SUCH AN EXTENSION.

R. L. HAMBLIN, MANAGER
LEASE DEPARTMENT

RLH:ms

El Paso Natural Gas Company

El Paso, Texas

February 28, 1955

TO: ALL WORKING INTEREST OWNERS
SAN JUAN 28-4 UNIT

Re: 1955 Drilling Program

Gentlemen:

By copies of the enclosed letters from the United States Geological Survey and the New Mexico Oil Conservation Commission, we have been advised that our proposed 1955 drilling program for the above unit has been only conditionally approved, and that additional wells must be drilled in 1955 and an amended plan of development filed.

This letter is to inform you of this situation and inquire whether any working interest owner desires additional wells drilled on his acreage. You have previously advised us, as Unit Operator, that you did not desire any wells drilled on your acreage and the only wells being drilled in the San Juan 28-4 Unit are those on El Paso Natural Gas Company acreage, on which we are obligated to pay the initial drilling cost.

If we must drill additional wells, we feel that some of these wells should be on acreage other than that of El Paso Natural Gas Company. In other words, we do not feel that we should carry the entire load of these unit obligations. We would appreciate hearing from you as soon as possible on this matter.

Perhaps it would be advisable to have a meeting with all of the working interest owners to discuss the drilling of additional wells. In the event no decision is reached, we feel that we will have to put the problem up to the U.S.G.S. and Oil Conservation Commission and drill such wells at such locations as they select. However, we of course do not want to do this if an agreement can be reached between the working interest owners as to these additional wells which are required to be drilled. We would appreciate your comments as soon as possible.

Yours very truly,
EL PASO NATURAL GAS COMPANY

By R. L. Hamblin
R. L. Hamblin, Manager
Lease Department

RLH:ms



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLAIN TYPE SET

11783

11783

P. O. Box 6721
Roswell, New Mexico

February 15, 1955

El Paso Natural Gas Company
El Paso Natural Gas Building
El Paso, Texas

file

Gentlemen:

The 1955 plan of development dated December 31, 1954, for the San Juan 28-4 unit agreement is accepted subject to similar acceptance by the appropriate State officials as bare compliance with that provision of Sec. 10 of the unit agreement requiring that a plan be filed. An amended plan of development for 1955 providing for the drilling of not less than two 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. In addition, the San Juan 28-4 No. 5 well located in the N $\frac{1}{2}$ Sec. 32, T. 28 N., R. 4 W., N.M.P.M., must be placed in a satisfactory mechanical condition for production without undue delay.

One copy of said plan indicating acceptance by this office is returned herewith.

Very truly yours,

(Orig. Sgd.) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Cons.Div., Wash., D.C. (w/1 copy of plan)
N.M.O.C.C., Santa Fe (ltr only)

John

NEW MEXICO OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 9, 1955

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

*file
case 55-1*

O
Attention: Mr. R. L. Hamblin

Re: San Juan 28-4 Unit
Rio Arriba County, New Mexico
1955 Drilling Program

Gentlemen:

P
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.

Y
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 two 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.

Jan
One approved copy of the Plan is herewith returned.

Very truly yours,

W. B. Macey
Secretary - Director

WBM:jh

El Paso Natural Gas Company

El Paso, Texas

December 31, 1954

Mr. John A. Anderson
Regional Supervisor
United States Geological Survey
Department of the Interior
Post Office Building
Roswell, New Mexico

Mr. E. S. Walker
Commissioner of Public Lands
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Mr. W. B. Macey, Secretary
Oil Conservation Commission
State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

*OK to Apr 15
then - 2 wells*

Re: San Juan 28-4 Unit
#14-08-001-933
Rio Arriba County, New Mexico
1955 Drilling Program

Gentlemen:

Section 9 of the above Unit Agreement provides for the drilling of four obligation wells to test the Mesaverde and shallower formations underlying this Unit. All of these wells have been completed upon this Unit as follows:

<u>Well Name</u>	<u>Drilling Tract</u>	<u>Initial Potential</u>	<u>Tied-in</u>
San Juan 28-4 #1	N/2 Sec. 18-28N-4W	785	10-29-54
San Juan 28-4 #2	S/2 Sec. 17-28N-4W	872	10-29-54
*San Juan 28-4 #3	S/2 Sec. 14-28N-4W	114	No
*San Juan 28-4 #4	S/2 Sec. 26-28N-4W	-0-	No

*These wells were determined to be noncommercial.

The San Juan 28-4 #5 Well, located in the N/2, Section 32, T-28-N, R-4-W, was drilled by Stanolind Oil and Gas Company with an IP of 1335 MCFGPD. This well, however, in its present condition is not acceptable to El Paso Natural Gas Company as Unit Operator.

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

11 June 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

file

Re: San Juan 28-4 Unit No. 14-08-001-933
Rio Arriba County, New Mexico
Noncommercial Well - Pictured Cliffs Formation
Determined 28 April 1954

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, No. 14-08-001-933, approved 24 July 1953, El Paso Natural Gas Company as Unit Operator determined on 28 April 1954, that the following described well was not capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation.

This well is as follows:

El Paso Natural Gas Company's San Juan 28-4 #4 Well located 1020' North of the South line and 1590' East of the West line of Section 26, Township 28 North, Range 4 West, Rio Arriba County, New Mexico. This well was spudded on 23 November 1953 and reached a total depth of 6535' but as the Mesaverde formation proved unproductive this well was plugged back to a total depth of 4307'. The pay section was acidized. The well was tested on 28 April 1954 and after a three hour blow-down gauged an IP of 0 MCFGPD with an SIPC of 982# and an SIPT of 980#. The drilling block upon which this well is located is described as the S/2 of Section 26, Township 28 North, Range 4 West, N.M.P M. and consists of 320 acres.

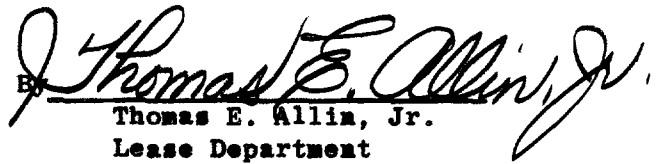
- 2 -

Inasmuch as this determination needs no official approval, no provision is made therefore, and in the absence of disapproval this well will continue to be considered noncommercial.

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

Yours very truly,

EL PASO NATURAL GAS COMPANY


By Thomas E. Allin, Jr.
Thomas E. Allin, Jr.
Lease Department

TEA,Jr/mas
cc: Attached List

Re: 28-4 Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. R. F. Rood
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Building
Fort Worth, Texas

Mr. C. F. Bedford
Stanolind Oil and Gas Building
P. O. Box 1410
Fort Worth 1, Texas

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
P. O. Box 2011
Santa Fe, New Mexico

Mr. Robert Critchfield
Gay Acres Farm
Wooster, Ohio

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

11 June 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

file

Re: San Juan 28-4 Unit No. 14-08-001-933
Rio Arriba County, New Mexico
Noncommercial Well - Pictured Cliffs Formation
Determined 7 April 1954

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, No. 14-08-001-933, approved 24 July 1953, El Paso Natural Gas Company as Unit Operator determined on 7 April 1954, that the following described well was not capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation.

This well is as follows:

El Paso Natural Gas Company's San Juan 28-4 #3 Well, located 1650' North of the South line and 990' East of the West line of Section 14, Township 28 North, Range 4 West, Rio Arriba County, New Mexico. This well was spudded on 17 August 1953 and reached a total depth of 6619' but as the Mesaverde formation proved unproductive this well was plugged back to a total depth of 4363'. The pay section between 4060' and 4315' was acidized with 6000 gallons of acid. The well was tested on 7 April 1954 and after a three hour blow-down gauged an IP of 114 MCFGPD with an SIPC of 1125# and an SIPT of 1071#. The drilling block upon which this well is located is described as the S/2 of Section 14, Township 28 North, Range 4 West, N.M.P.M. and consists of 320 acres.

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

10 May 1954

MAINT OFFICE 000
MAY 11 1954 2:30

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 28-4 Unit
Revised Exhibit "B"

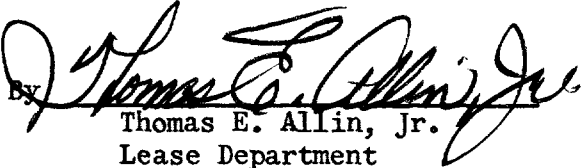
Gentlemen:

Enclosed please find copies of Exhibit "B" for the above noted Unit revised to 7 May 1954. You will note many changes which have been made due to a great deal of additional information having been obtained since distribution of the Exhibit "B" you now possess.

This San Juan 28-4 Unit has been committed one hundred percent with respect to all involved interests, and I believe that this revised schedule will more accurately disclose to you these same interests.

Yours very truly,

EL PASO NATURAL GAS COMPANY

BY 
Thomas E. Allin, Jr.
Lease Department

TEA, Jr/mas
cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

4 June 1954

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

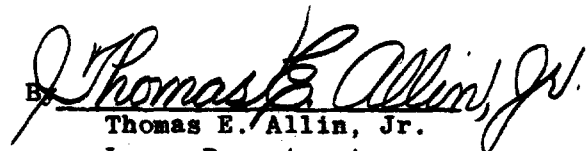
Re: San Juan 28-4 Unit
Revised Page One for
Exhibit "B" dated
7 May 1954

Gentlemen:

Enclosed please find a new Page one (1) revised to 2 June 1954, to be used in place of the Page one (1) revised to 7 May 1954, which you now possess. This change was brought about by the forwarding to us from the Chicago Corporation of additional title information on this Unit.

Yours very truly,

EL PASO NATURAL GAS COMPANY


Thomas E. Allin, Jr.
Lease Department

TEA,Jr/mas
cc: Attached List
Enclosures

EXHIBIT "B"
Schedule Showing the Percentage and Kind of Ownership of Oil and Gas
Interests in All Lands in the San Juan 28-4 Unit Agreement

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS</u> <u>T. 28 N., R. 4 W</u>							
1	Sec. 25, All	640.00	S.F. 079525 8-1-48 5 yrs.	U.S.A. 12½% All	J. K. Riggsbee	Roger B. Owings 2.50%	<u>Gas Rights before payout:</u> <u>El Paso Natural Gas Co.</u> All <u>Oil Rights at all times:</u> <u>General American Oil Co.</u> All <u>Gas Rights after payout:</u> <u>El Paso Natural Gas Co.</u> 3/4 <u>General American Oil Co.</u> 1/4
1A	Sec. 24, All Sec. 36, All	1280.00	S.F. 079525-A 8-1-48 5 yrs.	U.S.A. 12½% All	The Chicago Corp.	Roger B. Owings 2.50%	<u>Gas Rights before payout:</u> <u>El Paso Natural Gas Co.</u> All <u>Oil Rights before payout:</u> <u>General American Oil Co.</u> All <u>Gas Rights after payout:</u> <u>El Paso Natural Gas Co.</u> 67.50% <u>General American Oil Co.</u> 22.50% <u>General American Oil Co.</u> 22.50% <u>Oil Rights after payout:</u> <u>General American Oil Co.</u> 90.00% <u>El Paso Natural Gas Co.</u> 10.00%
2	Sec. 7, Lots 1,2,3,4,5, S½SE¼, S½SE¼ Sec. 8, Lots 1,2,3,4, S½S½ Sec. 9, Lots 1,2,3,4, S½S½	689.76	S.F. 079727 11-1-48 5 yrs.	U.S.A. 12½% All	W. L. Perryman, Jr.	Robert Critchfield until \$1000.00 per acre paid M. A. Romero 2.50% 2.50% 5.00%	<u>Gas Rights before payout:</u> <u>El Paso Natural Gas Co.</u> All <u>Oil Rights before payout:</u> <u>General American Oil Co.</u> All <u>Gas Rights after payout:</u> <u>El Paso Natural Gas Co.</u> 67.50% <u>General American Oil Co.</u> 22.50% <u>General American Oil Co.</u> 22.50% <u>Oil Rights after payout:</u> <u>General American Oil Co.</u> 90.00% <u>El Paso Natural Gas Co.</u> 10.00%

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS (continued)</u>							
<u>T. 28 N., R. 4 W.</u>							
3	Sec. 10, Lots 1 $\frac{1}{2}$ 2 $\frac{1}{2}$	1326.84	S.F. 079727-A 11-1-48 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	T. D. Cunningham	M. A. Romero Robert Critchfield	Phillips Petroleum Company All
	3,4, S $\frac{1}{2}$ S $\frac{1}{2}$						
	Sec. 11, Lots 1 $\frac{1}{2}$ 2 $\frac{1}{2}$						
	3,4, S $\frac{1}{2}$ S $\frac{1}{2}$						
	Sec. 12, Lots 1 $\frac{1}{2}$ 2 $\frac{1}{2}$						
	3,4, S $\frac{1}{2}$ S $\frac{1}{2}$						
	Sec. 13, All						
4	Sec. 14, All	2560.00	S.F. 079728 11-1-48 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Ernest H. Peterson	M. A. Romero Robert Critchfield	Phillips Petroleum Company All
	Sec. 15, All						
	Sec. 22, All						
	Sec. 23, All						
5	Sec. 16, All	2560.00	S.F. 079729 11-1-48 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	W. L. Perryman, Jr.	Robert Critchfield until \$1000.00 per acre paid M. A. Romero	Gas Rights before payout: El Paso Natural Gas Co. All Oil Rights before payout: General American Oil Co. All Gas Rights after payout: El Paso Natural Gas Co. 67.50% General American Oil Co. 22.50% M. A. Romero) Robert Critchfield) Oil Rights after payout: General American Oil Co. 90.00% M. A. Romero) Robert Critchfield) 10.00%
	Sec. 17, All						
	Sec. 20, All						
	Sec. 21, All						
6	Sec. 26, All	2560.00	S.F. 079730 11-1-48 5 yrs.	U.S.A. 12 $\frac{1}{2}$ % All	Joseph Miller	M. A. Romero Robert Critchfield	Phillips Petroleum Company All
	Sec. 27, All						
	Sec. 34, All						
	Sec. 35, All						

Tract No.	Description	No. of Acres	Serial No. and Lease Date	Land Owner Percentage of Royalty	Record Owner of Lease or Application	Overriding Royalty Owner and Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment and Percentage of Interest
<u>FEDERAL LANDS (continued)</u>							
<u>T. 28 N., R. 4 W.</u>							
7	Sec. 32, All Sec. 33, All	1280.00	S.F. 079731 11-1-48 5 yrs.	U.S.A. 12½% All	Stanolind Oil & Gas Company	M. A. Romero 2.50%	Stanolind Oil & Gas Co. All
8	Sec. 31, Lots 1½2½ 3¼, E½W½, E½	639.56	S.F. 079732 11-1-48 5 yrs.	U.S.A. 12½% All	Vance W. McKanus	M. A. Romero 2.50%	Stanolind Oil & Gas Co. All
9	Sec. 18, Lots 1½2½ 3¼, E½W½, E½ Sec. 19, Lots 1½2½ 3¼, E½W½, E½ Sec. 30, Lots 1½2½ 3¼, E½W½, E½	1917.00	N.M. 03862 11-1-48 5 yrs.	U.S.A. 12½% All	W. L. Perryman, Jr.	Robert Critchfield until \$1000.00 per acre paid M. A. Romero 2.50% 2.50% 5.00%	Gas Rights before payout: El Paso Natural Gas Co. All Oil Rights before payout: General American Oil Co. All Gas Rights after payout: El Paso Natural Gas Co. 67.50% General American Oil Co. 22.50% M. A. Romero) Robert Critchfield) Oil Rights after payout: General American Oil Co. 90.00% M. A. Romero) Robert Critchfield) 10.00%
10	Sec. 28, All Sec. 29, All	1280.00	N.M. 03863 11-1-48 5 yrs.	U.S.A. 12½% All	W. L. Perryman, Jr.	Robert Critchfield until \$1000.00 per acre paid M. A. Romero 2.50% 2.50% 5.00%	Gas Rights before payout: El Paso Natural Gas Co. All Oil Rights before payout: General American Oil Co. All Gas Rights after payout: El Paso Natural Gas Co. 67.50% General American Oil Co. 22.50% M. A. Romero) Robert Critchfield) Oil Rights after payout: General American Oil Co. 90.00% M. A. Romero) Robert Critchfield) 10.00%
11 FEDERAL LAND TRACTS - 16,733.16 acres							

Revised to
May 7, 1954

EXHIBIT "B"

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

RECAPITULATION

	<u>Number of Tracts</u>	<u>Acreage</u>	<u>Percentage</u>
Federal Land	11	16,733.16	100.00%
State Land	0	None	None
Patented Land	0	None	None
	<u>11</u>	<u>16,733.16</u>	<u>100.00%</u>

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

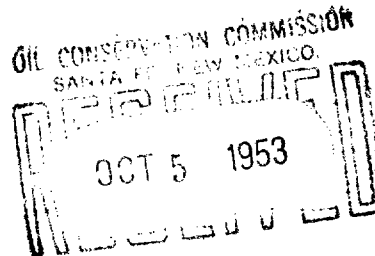
El Paso, Texas

October 1, 1953

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico



Re: San Juan 28-4 Unit No. 14-08-001-933
Rio Arriba County, New Mexico
First Expanded Participating Area
Mesaverde Formation
Effective October 1, 1953

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 28-4 Unit Agreement, No. 14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company as Unit Operator determines that one additional 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.

This well is as follows:

El Paso Natural Gas Company's San Juan 28-4 #2 Well, located 1750' North of the South line and 1700' East of the West line of Section 17, Township 28 North, Range 4 West, Rio Arriba County, New Mexico. This well was spudded on July 9, 1953, reached a total depth of 6821' and was completed on August 31, 1953. The pay section between 6201' and 6821' was shot with 1800 quarts of nitroglycerine. The well was tested on September 16, 1953, and after three-hour blow down gauged an IP of 872 MCFGPD with an SIPC of 913# and an SIPT of 919#. The committed drilling block upon which this well is located is described as the S/2 of Section 17, Township 28 North, Range 4 West, N.M.P.M. and consists of 320 acres.

October 1, 1953

Attached is Schedule II showing the First Expanded Participating Area for the Mesaverde Formation for the San Juan 28-4 Unit Area. This describes the expanded participating area, 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 therefore, and in the absence of disapproval, this expanded participating area will become effective as of October 1, 1953.

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

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD:jaf
cc: Attached List

Re: 28-4 Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. R. F. Rood
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Building
Fort Worth, Texas

Mr. G. B. Jenkinson
Stanolind Oil and Gas Company
Box 591
Tulsa, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
134 S. Capitol Place
Santa Fe, New Mexico

Robert Critchfield
Gay Acres Farm
Wooster, Ohio

SCHEDULE II
FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVEDE FORMATION
SAN JUAN 28-4 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 5</u>					
SF 079729	T-28-N, R-4-W Sec. 17: S/2	320.00	Royalty Owner: United States of America; Working Interest Owner: El Paso Natural Gas Co.;	12.50% 12.50% 82.50%	50.04066% 6.25508% 41.28355%
			ORRI Owners: M. A. Romero, et al.;	5.00% 5.00%	2.50203%
			TOTAL	100.00% 100.00%	50.04066%
San Juan 28-4 Unit #2 Well (New Well)					

SCHEDULE II
FIRST EXPANDED PARTICIPATING AREA FOR THE MESAVERTDE FORMATION
SAN JUAN 28-4 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>PERCENTAGE COMMITTED</u>	<u>PERCENTAGE OF PARTICIPATION</u>
<u>Tract 9</u>					
NM 03862	T-28-N, R-4-W Sec. 18: N/2	319.48			
	Royalty Owner:				<u>49.95934%</u>
	United States of America;	12.50%	12.50%		6.24492%
	Working Interest Owner:				
	El Paso Natural Gas Co.;	82.50%	82.50%		41.21645%
	ORRI Owners:				
	M. A. Romero, et al;	<u>5.00%</u>	<u>5.00%</u>		<u>2.49797%</u>
	TOTAL	100.00%	100.00%		49.95934%

San Juan 28-4 Unit #1 Well

RECAPITULATION

Description of lands in Participating Area:
Township 28 North, Range 4 West, N.M.P.M.
Section 17: S/2
Section 18: N/2

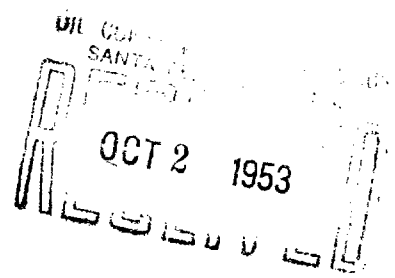
Total number of acres in Participating Area:	639.48
Percent of Working Interest and Royalty Interest committed:	100.00%

6-1-51

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas
September 29, 1953



Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Re: San Juan 28-4 Unit No. 14-08-001-933
Approval of Initial Participating Area
Mesaverde Formation

Gentlemen:

This is to advise that the Initial Participating Area for the Mesaverde Formation in the above numbered unit was approved by the Acting Director of the United States Geological Survey on September 23, 1953, by the Commissioner of Public Lands of the State of New Mexico on August 20, 1953, and by the Oil Conservation Commission of the State of New Mexico on August 10, 1953.

We call your attention to two slight errors in the schedule. The tract number should be changed from 2 to 9. The words ORRI Owner should be owners and the words et al should follow the name M. A. Romero.

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 
Charles S. Deason
Lease Department

CSD:jaf
cc: Attached List

El Paso Natural Gas Company

TENTH FLOOR BASSETT TOWER

El Paso, Texas

August 3, 1953

Director
United States Geological Survey
Department of the Interior
Washington, D. C.

Commissioner of Public Lands of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

Oil Conservation Commission of
the State of New Mexico
Capitol Annex Building
Santa Fe, New Mexico

OK RS
8/10

Re: San Juan 28-4 Unit No. 14-08-001-933
Rio Arriba County, New Mexico
Request for Approval of Initial
Participating Area - Mesaverde Formation
To Be Effective July 24, 1953

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-4 Unit Agreement No. 14-08-001-933, approved July 24, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Initial Participating Area for the Mesaverde Formation. On this same date we are sending out our Notice of Discovery of unitized substances as of July 24, 1953, the effective date of the unit agreement.

The Initial Participating Area contains 319.48 acres and is composed of one drilling block with one discovery well located thereon:

Township 28 North Range 4 West

<u>Well</u>	<u>Drilling Block</u>	<u>Acres</u>
Valdez #1	N/2 Section 18	319.48

This well is located in the NE/4 of this section. It was completed April 14, 1953, at a total depth of 6898'. On a six-hour open blow test this well gauged an IP of 785 MCFGPD with SIPC of 1064#.

San Juan 28-4 Unit

-2-

August 3, 1953

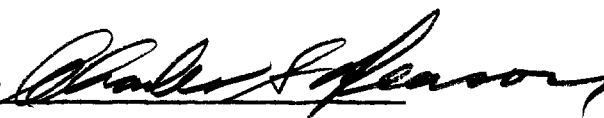
Attached hereto is our Schedule I legally describing the proposed participating area showing the percentage of unitized substances to be allocated to this unitized tract and also showing the exact breakdown of the percentages so allocated to this tract according to the various ownerships in said tract. We are also attaching a map, Exhibit "A", showing the location of this well and the outline of this Initial Participating Area.

If this Initial Participating Area meets with your approval, please indicate such approval in the space provided on said Schedule I and return an approved copy for our files.

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

Yours very truly,

EL PASO NATURAL GAS COMPANY

By 

CSD:jaf
cc: Attached List
encls.

Re: 28-4 Unit

Copies of the foregoing letter have been sent to the following Working Interest Owners:

Mr. R. F. Rood
Phillips Petroleum Company
Bartlesville, Oklahoma

Mr. H. K. Greenleaf
The Chicago Corporation
2101 Continental Life Building
Fort Worth, Texas

Mr. G. B. Jenkinson
Stanolind Oil and Gas Company
Box 591
Tulsa, Oklahoma

Mr. W. H. Sparks
General American Oil Company
1404 Republic Bank Building
Dallas, Texas

Mr. M. A. Romero
134 S. Capitol Place
Santa Fe, New Mexico

Robert Critchfield
Gay Acres Farm
Wooster, Ohio

SCHEDULE I
INITIAL PARTICIPATING AREA FOR THE MESAVERTERDE FORMATION
SAN JUAN 28-4 UNIT AREA

<u>SERIAL NUMBER</u>	<u>DESCRIPTION</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND</u>		<u>PERCENTAGE</u>	<u>PERCENTAGE OF</u>
						<u>PARTICIPATION</u>
			<u>Tract 2</u>			
NM 03862	T-28-N,R-4-W Sec. 18: N/2	319.48				
			Royalty Owner:			<u>100.00%</u>
			United States of America;	12.50%	12.50%	12.50%
			Working Interest Owner:			
			El Paso Natural Gas Co.;	82.50%	82.50%	82.50%
			ORRI Owner:			
			M. A. Romero;	<u>5.00%</u>	<u>5.00%</u>	<u>5.00%</u>
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>

Valdez #1 well

RECAPITULATION

Description of lands in Participating Area:

Township 28 North, Range 4 West, N.M.P.M.
Section 18: N/2

Total number of acres in Participating Area:	319.48
Percent of Working Interest and Royalty Interest committed:	100.00%

Approved _____ 1953

Subject to like approval by the appropriate State Officials, effective July 24, 1953, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Approved _____ 1953

Subject to like approval by the United States Geological Survey and Oil Conservation Commission of the State of New Mexico, effective July 24, 1953, pursuant to the pertinent provisions Sec. 11 of the Unit Agreement.

Approved 8/10/53 1953

Subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico, effective July 24, 1953, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Director - United States Geological Survey

Commissioner of Public Lands of the
State of New Mexico

W. R. R. Linnier
Oil Conservation Commission of the
State of New Mexico