

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

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

June 12, 1958

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

All Working Interest Owners

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

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

Gentlemen:

Re: Applications for Approval
of the Fourth and Fifth
and Sixth Expansions to the
Mesaverde Formation
Rosa Unit
San Juan and Rio Arriba Counties
New Mexico

Pacific Northwest Pipeline Corporation, as Operator of the Rosa Unit, has received notification of the approvals of the Fourth, Fifth and Sixth Applications for Expansion of the Mesaverde Formation in the Rosa Unit effective July 1, 1957, August 1, 1957 and November 1, 1957, respectively.

The Fourth and Fifth Expansions were approved on the following dates by the three regulatory agencies:

United States Geological Survey	May 29, 1958
Commissioner of Public Lands	
State of New Mexico	September 3, 1957
Oil Conservation Commission	
State of New Mexico	November 21, 1957

The Sixth Expansion:

United States Geological Survey	May 29, 1958
Commissioner of Public Lands	
State of New Mexico	November 22, 1957
Oil Conservation Commission	
State of New Mexico	November 21, 1957.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

June 6, 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:

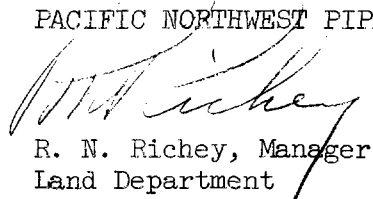
Re: Rosa Unit Well # -22
Section 22, T 31 N, R 4 W
Rio Arriba County, New Mexico

Pacific Northwest Pipeline Corporation, as operator of the Rosa Unit, has authorized Pan American Petroleum Corporation to drill the well scheduled on the 1958 Plan of Development as a Pictured Cliffs test in Section 24, Township 31 North, Range 4 West, N.M.P.M.

The Plan of Development shows this well to be drilled in the Southwest quarter section. Pan American, for geological reasons, now requests that the scheduled location be changed to the Southeast quarter of the same section. Pacific, as operator of the unit, concurs in this change of location and requests that this letter be accepted as an amendment to the Rosa Unit 1958 Plan of Development relocating the Pictured Cliffs test from the SW/4 to the SE/4 of Section 22, Township 31 North, Range 4 West.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:mdc

cc: See attached distribution list

File
Case
132

Copies of letter sent to the following:

United States Geological Survey
Farmington, New Mexico
Attention: Mr. P. T. McGrath

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

P. O. Box 1714
Albuquerque, New Mexico
Attention: Mr. Ben R. Kee

Farmington, New Mexico
Attention: Mr. L. O. Speer

Neville G. Penrose
1815 Fair Building
Fort Worth 2, Texas

Colorado Oil and Gas Corporation
Denver Club Building
Denver, Colorado
Attention: Mr. Charles Titus

J. Glenn Turner
Turner, White, Atwood, McLane & Francis
17th Floor, Mercantile Bank Building
Dallas 1, Texas

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

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

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

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

May 1, 1958

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

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

*File Case
133*

Attention: Mr. James Knauf

Gentlemen:

Re: Application for Approval of
Fourth, Fifth and the Sixth
Expansions of the Mesaverde
Participating Area for the
Rosa Unit
San Juan and Rio Arriba Counties
New Mexico

Enclosed herewith are five copies each of Applications for Approval of the Fourth, Fifth and the Sixth Expansions of the Mesaverde Participating Area for the subject Unit. These Applications were originally submitted to your office during December of 1957. They were returned to us for revision to acreage attributable to Unit Tract No. 36 appearing on the Fifth and Sixth Applications. This revision has been made and approval of this revision has been obtained from the two State Agencies as evidenced by Xerox copies of their letters attached to each Application.

We regret that it has taken so long to make the revision desired by your office but the cause of the delay was beyond our control.

If these Applications as now submitted meet with your approval and that of the Department of the Interior, please so indicate on one copy of each Application for return to us.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

ORIGINAL SIGNED BY
CLAUDE VAN DYKE

Claude Van Dyke
District Manager, Land Department

CVD:jc
Enc.

CC: Commissioner of Public Lands
State of New Mexico

Oil Conservation Commission
State of New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

File
133

April 23, 1958

C
O
P
Y

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

Attention: Claude Van Dyke

Re: Revised Exhibit "B" for the
Fourth, Fifth and Sixth
Expansions of the Mesaverde
Participating Area, Rosa Unit,
San Juan and Rio Arriba Counties,
New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Revised Exhibit "B" for the Fourth, Fifth and Sixth Expansions of the Mesaverde Participating Area of the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One initialed copy of each Exhibit is returned herewith.

Very truly yours,

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

ALP:og

cc: Commissioner of Public Lands, Santa Fe, N. Mex.,
U. S. Geological Survey, Farmington

PACIFIC NORTHWEST PIPELINE CORPORATION

RECEIVED 009 SALT LAKE CITY, UTAH

January 29, 1958

133
REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Mr. Murray E. Morgan
Commissioner of Public Lands
State of New Mexico
Santa Fe, New Mexico

Gentlemen:

Re: Applications for Approval of the
Fourth, Fifth and Sixth Expansions
of the Mesaverde Participating Area
Rosa Unit, San Juan and Rio Arriba
Counties, New Mexico

By letter dated August 21, 1957, we submitted for your approval Application for the Fourth and Fifth Expansions of the Mesaverde Participating Area of the Rosa Unit. This application was subsequently approved by the Commissioner of Public Lands on September 3, 1957, by the Oil Conservation Commission on November 21, 1957.

On November 13, 1957, we submitted Application for Approval of the Sixth Expansion of the Mesaverde Participating Area for the subject Unit. This expansion was approved by the Commissioner on November 22, 1957, by the Oil Conservation Commission on November 21, 1957.

These three applications with their attached Exhibits "B" were then forwarded to the Supervisor of the United States Geological Survey Office in Roswell for submittal to the Director of the Geological Survey Office for approval. The Supervisor in checking acreage dedicated to the drilling blocks being expanded, has informed us that there should have been dedicated a full 320.00 acres to the W/2 of Section 15, Township 31 North, Range 6 West, rather than the 319.59 acres submitted by us for this drilling block on our Fifth and Sixth applications for expansion. For this reason we have revised the Exhibits "B" attached to the Fourth and fifth and the sixth applications for expansion and have attached them to the copies of the original applications which were approved by you. We are also enclosing extra copies of these revised Exhibits "B" for your file copies. If you will initial the copy of the Fourth and Fifth and the copy of the Sixth Expansions enclosed herewith, indicating your

Mr. Murray E. Morgan
January 29, 1958
Page 2

acceptance of this revision, and then return them to us we will resubmit them to the United States Geological Survey Office for approval.

If you are in accord with this procedure, we respectfully request that after approval by you, these applications be forwarded to the Oil Conservation Commission for like acceptance and approval so that they may be returned to us with as little delay as possible.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

CLAUDE VAN DYKE
DISTRICT MANAGER

Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

CC: Mr. A. L. Porter, Jr, Secretary
Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

EXHIBIT "B"

SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
SIXTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARriba & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest* Pacific NW Pipeline	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 6 W</u>								
Sec. 11: All								
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
	2560.00	SF 078771	12.5%	3.716091 %	87.5%	26.012634 %	29.728725 %	XXXVII
<u>T 31 N, R 6 W</u>								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,								
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.	1087.20	SF 078767	12.5%	1.578177 %	87.5%	11.047241 %	12.625418 %	XIV
<u>T 31 N, R 6 W</u>								
Sec. 15: E/2	320.00	SF 078765	12.5%	.464511 %	87.5%	3.251580 %	3.716091 %	XXXIII
<u>T 31 N, R 6 W</u>								
Sec. 22: E/2								
Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	864.48	SF 078766	12.5%	1.254877 %	87.5%	8.784142 %	10.039019 %	XXXIX
<u>T 31 N, R 5 W</u>								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.501944 %	87.5%	17.513617 %	20.015561 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4,								
Sec. 31: E/2, Lots 1,2,3,4.								
<u>T 31 N, R 5 W</u>								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.232256 %	87.5%	1.625789 %	1.858045 %	XXI
<u>T 31 N, R 5 W</u>								
Sec. 20: SW/4								
Sec. 29: NW/4	320.00	FEE	12.5%	.464511 %	87.5%	3.251580 %	3.716091 %	XX
<u>T 31 N, R 5 W</u>								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.220962 %	87.5%	1.546736 %	1.767698 %	XIX

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Section 32:	NW/4 160.00		12.5%	.232256 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.812894 % 0.812895 %	1.858045 %	XXV
T 31 N R 5 W Section 32:	S/2 320.00	E-347	12.5%	.464512 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	1.625789 % 1.625790 %	3.716091 %	XXVII
- 31 N, R 5 W Section 18:	All 463.72	SF 078764	12.5 %	.673135 %	Pacific North- west Pipeline Corporation 87.5 %	4.711945 %	5.385080 %	XVIII
T 31 N, R 6 W Section 15:	Lots 1 118.97 and 2, E/2 SW/4	SF 078765	12.5%	.172697 %	Pacific North- west Pipeline Corporation 87.5 %	1.208876 %	1.381573 %	XXXIII
T 31 N, R 6 W Section 15:	Tract 112.62 #38	Fee	12.5%	.163479 %	Pacific North- west Pipeline Corporation 87.5%	1.144353 %	1.307832 %	XXXVI
T 31 N, R 6 W Section 15:	Tract 80.00 #39	Fee	12.5%	.116128 %	Pacific North- west Pipeline Corporation 87.5%	.812895 %	.929023 %	XXXVIII
T 31 N, R 6 W Section 15:	8.41 8.41 acres out of S/2 S/2 SW/4 SW/4	E-289	12.5%	.012208 %	Pacific North- west Pipeline Corporation 87.5%	.085455 %	.097663 %	XLIII

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W	160.00	E 347-28	12.5%	.232256 %	Pacific NW Pipeline 87.5%	1.625789 %	1.858045 %	XXVI
Sec. 32: NE/4								
TOTALS 8,611.20					12.500000 %	87.500000 %	100.000000%	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

EXHIBIT "B"

SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARriba & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest* Pipeline	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 6 W								
Sec. 11: All	2560.00	SF 078771	12.5%	3.859514 %	87.5%	27.016595 %	30.876109 %	XXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T 31 N, R 6 W								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.639087 %	87.5%	11.473611 %	13.112698 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
T 31 N, R 6 W								
Sec. 15: E/2	320.00	SF 078765	12.5%	.482439 %	87.5%	3.377075 %	3.859514 %	XXIII
T 31 N, R 6 W								
Sec. 22: E/2	864.48	SF 078766	12.5%	1.303310 %	87.5%	9.123167 %	10.426477 %	XXII
Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4								
T 31 N, R 5 W								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.598508 %	87.5%	18.189556 %	20.788064 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4,								
Sec. 31: E/2, Lots 1,2,3,4.								
T 31 N, R 5 W								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.241220 %	87.5%	1.688537 %	1.929757 %	XXI
T 31 N, R 5 W								
Sec. 20: SW/4	320.00	FEE	12.5%	.482439 %	87.5%	3.377075 %	3.859514 %	XX
Sec. 29: NW/4								
T 31 N, R 5 W								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.229490 %	87.5%	1.606432 %	1.835922 %	XIX

EXHIBIT "B"

SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARriba & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Section 32:	NW/4	160.00	12.5%	.241220 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.844268 % 0.844269 %	1.929757 %	XXV
T 31 N R 5 W Section 32:	SW/4	160.00	12.5%	.241220 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	0.844268 % 0.844268 %	1.929756 %	XXVII
T 31 N, R 5 W Section 18:	All	463.72	12.5 %	.699115 %	Pacific North- west Pipeline Corporation 87.5 %	4.893803 %	5.592918 %	XVIII
T 31 N, R 6 W Section 15:	Lots 1 and 2, E/2 SW/4	118.97	12.5%	.179362 %	Pacific North- west Pipeline Corporation 87.5 %	1.255533 %	1.434895 %	XXXIII
T 31 N, R 6 W Section 15:	Tract #38	112.62	12.5%	.169788 %	Pacific North- west Pipeline Corporation 87.5%	1.188520 %	1.358308 %	XXXVI
T 31 N, R 6 W Section 15:	Tract #39	80.00	12.5%	.120610 %	Pacific North- west Pipeline Corporation 87.5%	.844268 %	.964878 %	XXXVIII
T 31 N, R 6 W Section 15:	8.41 acres out of S/2 S/2 SW/4 SW/4	E-289	12.5%	.012678 %	Pacific North- west Pipeline Corporation 87.5%	.088755 %	.101433 %	XLIII
TOTAL		8,291.20		12.500000 %		87.500000 %	100.000000 %	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 15, 1958

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

File
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133

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

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

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

All Working Interest Owners

Gentlemen:

Re: Rosa Unit
Exhibit "B"
Revised March 6, 1958

Please find enclosed, copies of the Exhibit "B" for the Rosa Unit, which has been revised effective March 6, 1958.

If there are any questions concerning the ownership as set out on this revised Exhibit, please contact us.

If any additional copies are desired, we will be glad to supply them upon request.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
<u>FEDERAL LANDS</u>							
1.	T-31 N, R 4 W Sec. 1: All Sec. 2: All Sec. 3: All	1,965.72	SF 078891 4-1-48	U. S. A. 12.5%	Byrd-Frost		J. Glenn Turner
2.	Sec. 4: All Sec. 5: All Sec. 6: All Sec. 7: All	2,539.56	SF 078890 4-1-48	U. S. A. 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
3.	Sec. 8: All Sec. 9: All Sec. 10: All Sec. 11: All	2,560.00	SF 078888 8-1-48	U. S. A. 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
4.	Sec. 12: All Sec. 13: All Sec. 24: All Sec. 25: All	2,559.57	SF 078887 2-1-49	U. S. A. 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
5.	Sec. 14: All Sec. 15: All Sec. 16: All	1,920.00	SF 078892 4-1-48	U. S. A. 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
6.	Sec. 17: All Sec. 18: All Sec. 19: All Sec. 20: All	2,505.68	SF 078889 8-1-48	U. S. A. 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
<u>FEDERAL LANDS</u>							
7.	Sec. 21: All	1,920.00	SF 078893	U. S. A.	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
	Sec. 22: All		4-1-48	12.5%			
	Sec. 23: All						
8.	Sec. 26: E/2 SE/4, N/2 N/2, Lots 1,2, 3,4,5,6,7,8,9, and SW/4 NW/4	2,284.16	SF 078894	U. S. A.	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
	Sec. 27: E/2 E/2, SW/4 SE/4, NW/4 NE/4, NE/4 NW/4, Lots 1,2,3,4,5,6,7, and 8						
	Sec. 28: W/2, SE/4, W/2 NE/4 and Lots 1 and 2						
	Sec. 29: All						
11.	Sec. 30: E/2	716.91	SF 078777	U. S. A.	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
	Sec. 31: E/2, E/2 SW/4		7-1-48	12.5%			
12.	Sec. 30: E/2 W/2, Lots 1,2,3,4	508.84	SF 078774	U. S. A.	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
	Sec. 31: E/2 NW/4, Lots 1,2,3,4		7-1-48	12.5%			

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
FEDERAL LANDS							
T 31 N, R 5 W							
13:	Sec. 3: All	2,544.64	SF 078763	U. S. A.	Pacific North-west Pipeline Corporation	None	TO THE BASE OF THE PICTURED CLIFFS FORMATION Gas and Oil Rights Neville Penrose - All
	Sec. 4: All		8-1-48	12.5%			FROM THE BASE OF THE PICTURED CLIFFS TO THE BASE OF MESAVERDE FORMATION
	Sec. 5: All						Gas Rights
	Sec. 8: E/2, SW/4						Pacific Northwest Pipeline Corporation - All**
	Sec. 9: All						
	Sec. 10: N/2						
Oil Rights							
Colorado Oil and Gas - 1/2							
Pacific Northwest							
Pipeline Corporation - 1/2							
BELOW BASE MESAVERDE FORMATION							
All Rights							
Pan American Petroleum Corporation							
AS TO: NW/4 Section 8							
TO THE BASE OF THE PICTURED CLIFFS FORMATION							
Gas and Oil Rights							
Neville Penrose - All							
14.	Sec. 6: All	2,518.04	SF 078767	U. S. A.	Pacific North-west Pipeline Corporation	None	
	Sec. 7: All		8-1-48	12.5%			
	Sec. 8: NW/4						
	Sec. 12: All (T 31 N, R 6 W)						
	Sec. 13: All (T 31 N, R 6 W)						
	Sec. 24: All (T 31 N, R 6 W)						

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO. DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT PERCENTAGE OF INTEREST
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FEDERAL LANDS
14. (continued)

FROM THE BASE OF THE PICTURED
CLIFFS TO THE BASE OF MESAVERDE
FORMATION
Gas Rights
Pacific Northwest Pipeline
Corporation - All **

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

BELOW BASE MESAVERDE FORMATION
All Rights
Pan American Petroleum
Corporation

AS TO ALL OTHER LANDS:
FROM SURFACE TO BASE OF MESAVERDE
FORMATION
Gas Rights
Pacific Northwest Pipeline
Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest Pipe-
line Corporation - 1/2

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT PERCENTAGE OF INTEREST
FEDERAL LANDS							
15:	Sec. 11: All	2,560.00	SF 078762 7-1-48	U. S. A. 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
16:	Sec. 10: S/2	2,560.00	SF 078770 5-1-48	U. S. A. 12.5%	Pacific North- west Pipeline Corporation	None	AS TO SECTION 10: S/2 SECTION 15: All TO THE BASE OF THE PICTURED CLIFFS FORMATION Gas and Oil Rights Neville Penrose - All
	Sec. 15: All						FROM THE BASE OF THE PICTURED CLIFFS TO THE BASE OF MESAVERDE FORMATION
	Sec. 22: All						Gas Rights
	Sec. 23: N/2						Pacific Northwest Pipeline Corporation - All **
	Sec. 27: All						Oil Rights

Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

BELOW BASE MESAVERDE FORMATION
FORMATION
All Rights
Pan American Petroleum
Corporation

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT PERCENTAGE OF INTEREST
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FEDERAL LANDS

16. (continued)

AS TO ALL OTHER LANDS:

FROM SURFACE TO BASE OF MESAVERTDE
FORMATION

Gas Rights
Pacific Northwest Pipeline
Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest Pipe-
line Corporation - 1/2

BELOW THE BASE OF THE MESAVERTDE
FORMATION
All Rights
Pan American Petroleum
Corporation

AS TO SECTION 16: All
SECTION 17: All

TO THE BASE OF THE PICTURED
CLIFFS FORMATION
Gas and Oil Rights
Neville Penrose - All

17. Sec. 16: All 2,560.00 SF 078769 U. S. A. Pacific North- None
Sec. 17: All 5-1-48 12.5% west Pipeline
Sec. 21: All Corporation
Sec. 28: All

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO. DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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FEDERAL LANDS

17. (continued)

FROM THE BASE OF THE PICTURED
CLIFFS TO THE BASE OF MESAVERDE
FORMATION
Gas Rights
Pacific Northwest Pipeline
Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

BELOW BASE MESAVERDE FORMATION
All Rights
Pan American Petroleum
Corporation

AS TO ALL OTHER LANDS:

FROM SURFACE TO BASE OF MESAVERDE
FORMATION
Gas Rights
Pacific Northwest Pipeline
Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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FEDERAL LANDS

17. (continued)

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

18. Sec. 18: All 2,507.30 SF 078764 U. S. A. None
Sec. 19: E/2 E/2, NW/4 12.5% Pacific North-
NE/4, SW/4 SE/4, west Pipeline
Lots 1, 4 Corporation

FROM SURFACE TO BASE OF MESAVERDE
FORMATION
Gas Rights
Pacific Northwest Pipeline
Corporation - All**
Oil Rights
Colorado Oil and Gas- 1/2
Pacific Northwest
Pipeline Corporation- 1/2

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

21. Sec. 29: S/2 NE/4, 160.00 SF 079165 U. S. A. None
E/2 SE/4 5-1-48 12.5% Pacific North-
west Pipeline
Corporation

FROM SURFACE TO BASE OF MESAVERDE
FORMATION
Gas Rights
Pacific Northwest Pipe-
line Corporation - All**
Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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FEDERAL LANDS

21. (continued)

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

22. Sec. 23: S/2 2,560.00 SF 078768 U. S. A. Pan American None
Sec. 24: All 8-1-48 12.5% Petroleum
Sec. 25: W/2, SE/4 Corporation
Sec. 26: W/2, SE/4
Sec. 36: All

Pan American Petroleum
Corporation - All Rights

28. Sec. 33: All 1,920.00 SF 078773 U. S. A. Pacific North- None
Sec. 34: All 8-1-48 12.5% west Pipeline
Sec. 35: All Corporation

FROM SURFACE TO BASE OF MESAVERDE
FORMATION
Gas Rights
Pacific Northwest
Pipeline Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
FEDERAL LANDS							
T 31 N, R 6 W							
29.	Sec. 1: All	2,561.86	SF 078772	U. S. A.	Pacific Northwest	None	FROM SURFACE TO BASE OF MESAVERDE FORMATION
	Sec. 3: Lots 5,6,7,8, 9, SE/4, E/2 SW/4, SW/4 SW/4		4-1-48	12.5%	Pipeline Corporation		Gas Rights Pacific Northwest Pipeline Corporation - All**
	Sec. 4: Lots 5,6,7,8,9, N/2 SW/4, NW/4 SE/4, SE/4 SE/4 W/2, NE/4, W/2 SE/4 (T 32 N, R 6 W)						Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2
	Sec. 34: E/2, E/2 W/2, SW/4 SW/4 (T 32 N, R 6 W)						BELOW THE BASE OF THE MESAVERDE FORMATION
	Sec. 35: All (T 32 N, R 6 W)						All Rights Pan American Petroleum Corporation
33.	Sec. 4: S/2 SW/4, SW/4 SE/4	2,460.23	SF 078765	U. S. A.	Pacific Northwest	None	FROM SURFACE TO BASE OF MESAVERDE FORMATION
	Sec. 5: All		4-1-48	12.5%	Pipeline Corporation		Gas Rights Pacific Northwest Pipeline Corporation -All**
	Sec. 8: W/2, E/2 E/2						Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2
	Sec. 9: All						
	Sec. 10: Lots 1,2,3, E/2 E/2, NW/4						
	Sec. 15: Lots 1,2, E/2, E/2 SW/4						

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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FEDERAL LANDS

33. (continued)

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

37.	Sec. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	2,560.00	SF 078771 4-1-48	U. S. A. 12.5%	Pacific Northwest Pipeline Corporation	None	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**
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Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2
BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

39.	Sec. 16: Lots 1,2,3, N/2 NE/4, N/2 NW/4, SW/4 NW/4, W/2 SW/4 Sec. 17: All Sec. 21: Lots 1,2,3, W/2 NW/4, S/2	2,552.71	SF 078766 4-1-48	U. S. A. 12.5%	Pacific Northwest Pipeline Corporation	None	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation -All**
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Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO. DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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FEDERAL LANDS

39. (continued)						
Sec. 22: Lot 1, S/2, NE/4, E/2 NW/4						BELOW THE BASE OF THE MESAVERTDE FORMATION All Rights Pan American Petroleum Corporation
Sec. 25: All						

STATE LANDS

T 31 N, R 5 W

25. Sec. 32: NW/4	160.00	E-347-30 6-1-45	State of New Mexico 12.5%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	Before Payout John R. Brennamd 5.468750% Dan R. Ponder 5.468750% After Payout None	Before Payout El Paso Natural Gas Company 1/2 J. Glenn Turner After Payout El Paso Natural Gas Company 3/10 J. Glenn Turner 3/10 John R. Brennamd 2/10 Dan R. Ponder 2/10
26. Sec. 32: NE/4	160.00	E-347-28 6-1-48	State of New Mexico 12.5%	Pacific Northwest Pipeline Corporation	M. B. Armer 5.0%	FROM SURFACE TO BASE OF MESAVERTDE FORMATION Gas and Oil Rights Pacific Northwest Pipeline Corporation - All

BELOW THE BASE OF THE MESAVERTDE
FORMATION
All Rights
Pan American Petroleum
Corporation

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER		OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
				PERCENTAGE OF ROYALTY	LESSEE OF RECORD		
STATE LANDS							
27.	Sec. 32: S/2	320.00	E-347-31 6-1-45	State of New Mexico 12.5%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	First National Bank of Dallas, Trustee for the account of Three States Nat- ural Gas Company 10.937500% Squire Production Company 10.937500%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2

T 31 N, R 6 W

30.	Sec. 2: All except lot 5	346.91	E-289-37 5-2-45	State of New Mexico 12.5%	Pacific North- west Pipeline Corporation	Francis L. Harvey 2.5%	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**
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Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

31.	Sec. 2: Lot 5	9.35		State of New Mexico 12.5%	L. A. Smith	None	L. A. Smith - All Rights
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EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
STATE LANDS							
40.	Sec. 16: N/2 NW/4	80.00	E-346-20 6-1-45	State of New Mexico 12.5%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	Three States Natural Gas Company 10.937500% Squire Production Company 10.937500%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2
40-A.	Sec. 16: SW/4 NW/4 NW/4 NE/4	80.00	E-346-22 6-1-45	State of New Mexico 12.5%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	Three States Natural Gas Company 10.937500% Squire Production Company 10.937500%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2
41.	Sec. 16*	160.00		State of New Mexico 12.5%	Southern Petroleum Exploration, Inc.	None	Southern Petroleum Exploration Inc. - All Rights
42.	Sec. 16 and 21*	80.00	E-289-37 5-2-45	State of New Mexico 12.5%	Pacific Northwest Pipeline Corporation	Francis L. Harvey 2.5%	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest Pipeline Corporation - 1/2

BELOW THE BASE OF THE MESAVERDE FORMATION
All Rights
Pan American Petroleum Corporation

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
STATE LANDS							
43.	Sec. 15 and 22*	80.00	E-289-32 5-2-45	State of New Mexico 12.5%	Pacific Northwest Pipeline Corporation	Levi Hughes 5.0%	FROM THE SURFACE TO THE BASE OF THE MESAVERDE FORMATION Gas and Oil Rights Pacific Northwest Pipeline Corporation - All
BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Phillips Petroleum Company							
44.	Sec. 32: W/2	320.00	E-504-11 8-21-45	State of New Mexico 12.5%	Pacific Northwest Pipeline Corporation	3.0%	FROM THE SURFACE TO THE BASE OF THE MESAVERDE FORMATION Gas and Oil Rights Pacific Northwest Pipeline Corporation - All
BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Phillips Petroleum Company							
45.	Sec. 32: E/2	320.00	E-504-12 8-21-45	State of New Mexico 12.5%	El Paso Natural Gas Company J. Glenn Turner 1/2	Three States Natural Gas Company Squire Production Company 10.937500% 10.937500%	El Paso Natural Gas Company J. Glenn Turner 1/2 1/2

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	PERCENTAGE OF ROYALTY RECORD	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
STATE LANDS							
47.	Sec. 36: W/2	320.00	E-346-19 6-1-45	State of New Mexico 12.5%	Pacific Northwest Pipeline Corporation	None	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All **
48.	Sec. 36: E/2	320.00	E-346-14 6-1-45	State of New Mexico 12.5%	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	Three States Natural Gas Company 10.937500% Squire Production Company 10.937500%	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2 BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation
PATENTED LANDS							
<u>T 31 N, R 4 W</u> 9.	Sec. 26: H.E. #282	156.80	Patented 5-20-53 5 year	Lewis W. Lynch 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights
10.	Sec. 27 and 28: H.E. #277	120.63	Patented 3-5-47 10 year 5-19-47 10 year	Ruth Scammahorn, et vir Horace F. McKay, Jr., et ux 6.25%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - All Rights

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
PATENTED LANDS							
T 31 N, R 5 W							
19.	Sec. 19:	SW/4 NE/4, NW/4 SE/4, Lots 2, 3	152.22	Patented 11-10-47 10 year	Miguel A. Gonzales 12.5%	Pacific North-west Pipeline Corporation	None
FROM SURFACE TO BASE OF MESAVERDE FORMATION							
Gas Rights							
Pacific Northwest Pipeline Corporation - All**							
Oil Rights							
Colorado Oil and Gas - 1/2							
Pacific Northwest Pipeline Corporation - 1/2							
BELOW THE BASE OF THE MESAVERDE FORMATION							
All Rights							
Pan American Petroleum Corporation							
FROM SURFACE TO BASE OF MESAVERDE FORMATION							
Gas Rights							
Pacific Northwest Pipeline Corporation - All**							
Oil Rights							
Colorado Oil and Gas - 1/2							
Pacific Northwest Pipeline Corporation - 1/2							
BELOW THE BASE OF THE MESAVERDE FORMATION							
All Rights							
Pan American Petroleum Corporation							
20.	Sec. 20:	SW/4	320.00	Patented 11-21-46 10 year	Manuel C. Candelario 1.56250	Pacific North-west Pipeline Corporation	None
	Sec. 29:	NW/4			Allen M. Tonkin 1.56250		
					W. P. McDonald 1.56250		
					Dee Forehand. 1.56250		
					R. E. Beaumont. 1.56250		
					Johnston Oil & Gas 1.56250		
					1st Nat'l Bank of Ft. Worth (Trustee for Eula Mae Johnston) 1.56250		

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
<u>PATENTED LANDS</u>							
20.	(cont.)			Ralph A. Johnston			
				.08139			
				Orville C. Rogers			
				.01356			
				Veva Jean Gibbard			
				.01356			
				V. A. Johnston			
				.04069			
				Lillie Leona Rogers			
				.01356			
				Brookhaven Oil Company			
				1.36718			
				Paul H. Umbach			
				1.36718			
				Dacresa Corporation			
				<u>3.51560</u>			
				<u>12.50000</u>			

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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PATENTED LANDS

23.	Sec. 25: NE/4	160.00	Patented	Undivided Interest in 12.5% owned equally as follows: Mrs. Josefa A. Abeyta Mrs. Fibradita A. Rivera Mike A. Abeyta Tiva Abeyata Garcia Estifanito A. Serrano Atachita Abeyta	Unknown	Unknown	Unknown
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24.	Sec. 26: NE/4	160.00	Patented	Jose J. Sanchez, et ux 12.5%	Unknown	Unknown	Unknown
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T 31 N, R 6 W

32.	Sec. 3 and 4: Tract 37	158.36	Fee	T. H. McElvain 5/16 John and Gladys 11/32 Greene 11/32 D. A. and Helen 11/32 Greene	Unknown	Unknown	Unknown
	33: E/2 SE/4 (T 32 N, R 6 W)						
	34: NW/4 SW/4 (T 32 N, R 6 W)						

34.	Sec. 8: W/2 E/2	160.00	Fee 1-26-48	Miller - 3/8 Wise - 3/8 Axtell - 2/8	Pacific North-west Pipeline Corporation	None	
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FROM SURFACE TO BASE OF MESAVERDE FORMATION
Gas Rights
Pacific Northwest Pipeline Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest Pipeline Corporation - 1/2

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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PATENTED LANDS

34. (continued)

BELOW THE BASE OF THE MESAVERDE FORMATION
All Rights
Pan American Petroleum Corporation

35. Sec. 10: W/2 E/2 160.00 Fee 11-7-47

FROM SURFACE TO BASE OF MESAVERDE FORMATION
Gas Rights
Pacific Northwest Pipeline Corporation - All**

Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest Pipeline Corporation - 1/2
BELOW THE BASE OF THE MESAVERDE FORMATION
All Rights
Pan American Petroleum Corporation

V. A. Johnston 3/512
Mrs. Willie Johnston 3/512
Lillie Leona Rogers 1/512
Orville Curtis Rogers 1/512
Veva Jean Gibbard 1/512
C. H. Nye 1/8
Allen M. Tonkin and

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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PATENTED LANDS

35.	(continued)			Nancy P. Tonkin, Joint Tenants 1/4 W. B. Comegys 1/4			
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36.	Sec. 10 and 15: Tr. 38	160.00	Fee 2-1-49	Covert and Johnson 12.5%	Pacific North- west Pipeline Corporation	Covert and Johnson 1/16 of 7/8 until \$200.00 per acre received	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**
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Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

BELOW THE BASE OF THE MESAVERDE
FORMATION
All Rights
Pan American Petroleum
Corporation

38.	Sec. 15 and 16: Tr. 39	160.00	Fee 8-6-47	Dacresa Corpora- tion Umbach Jose Lopez Margarito Lopez Brookhaven	Pacific North- west Pipeline Corporation		FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**
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Oil Rights
Colorado Oil and Gas - 1/2
Pacific Northwest
Pipeline Corporation - 1/2

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST
IN ALL LANDS IN THE ROSA UNIT AGREEMENT

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
--------------	-------------	-----------------	---------------------------------	--	---------------------	--	--

PATENTED LANDS

38. (continued)

BELOW THE BASE OF THE MESA-
VERDE FORMATION
All Rights
Pan American Petroleum
Corporation

T 32 N, R 6 W

46. Sec. 34: W/2 NW/4	80.00	Fee 1-18-47	Mescalinas 12.5%	Pacific North- west Pipeline Corporation	None	<u>FROM SURFACE TO BASE OF MESA- VERDE FORMATION</u> Gas Rights Pacific Northwest Pipeline Corporation - All**
-----------------------	-------	----------------	---------------------	--	------	--

Oil Rights
Colorado Oil and Gas-1/2
Pacific Northwest
Pipeline Corp. -1/2

BELOW THE BASE OF THE MESA-
VERDE FORMATION
All Rights
Pan American Petroleum
Corporation

*Resurvey plat, dated June 30, 1919, approved August 27, 1919, shows "School Section" to be parts of Sections 15, 16, 21, and 22, T 31 N, R 6 W, but is carried on State of New Mexico records as Section 16, T 31 N, R 6 W, and is leased as follows:

- N/2 NW/4 - leased to J. Glenn Turney et al - 160 acres - Unit Tract 40
 - SW/4 NW/4, NW/4 NE/4 - leased to J. Glenn Turner, et al - Unit Tract 40-A
 - SW/4 - leased to Southern Petroleum Explorations Inc. - 160 acres - Unit Tract 41
 - W/2 SE/4 - leased to Pacific Northwest Pipeline Corporation - 80 acres - Unit Tract 42
 - E/2 SE/4 - leased to Pacific Northwest Pipeline Corporation - 80 acres - Unit Tract 43
- Balance of Section is Patented

**Subject to Colorado Oil and Gas Corporation Reversional Interest.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 3, 1958

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

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

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

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

All Working Interest Owners

Gentlemen:

Re: Rosa Unit
1958 Plan of Development

This is to advise that the 1958 Plan of Development for the Rosa Unit has been approved as follows:

1. Supervisor, United States Geological Survey, February 24, 1958.
2. Commissioner of Public Lands, State of New Mexico, January 22, 1958.
3. Oil Conservation Commission, State of New Mexico, March 28, 1958.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke
Claude Van Dyke
District Manager, Land Department

CVD:jc

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

132

March 28, 1958

**Pacific Northwest Pipeline Corporation
Box 1526
Salt Lake City, Utah**

Attention: Mr. R. N. Richey

**Re: Rosa Unit Area, San Juan & Rio Arriba
Counties, New Mexico - 1958 Plan of
Development**

Gentlemen:

**This is to advise that the New Mexico Oil Conservation Com-
mission has this date approved the 1958 Plan of Development for the
Rosa Unit Area, dated December 4, 1957, subject to like approval by
the United States Geological Survey and by the Commissioner of Public
Lands of the State of New Mexico.**

One approved copy of the plan is returned herewith.

Very truly yours,

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

ALP/RLS/ga

Enclosure

C
O
P
Y

154
129

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 21, 1958

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

Mr. A. L. Porter, Jr., Secretary
Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

Re: Applications for Approval of
the Fourth, Fifth and Sixth
Expansions of the Mesaverde
Participating Area
Rosa Unit
San Juan and Rio Arriba Counties
New Mexico

We will appreciate your advising us the present status of
your consideration of Revised Exhibits "B" for the above refer-
enced Rosa Unit Expansions.

If you have any questions concerning these Exhibits, please
advise.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke
Claude Van Dyke
District Manager, Land Department

CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

February 28, 1958

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

Mr. A. L. Porter, Jr., Secretary
Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

Dear Mr. Porter:

Re: Applications for Approval of
the Fourth, Fifth and Sixth
Expansions of the Mesaverde
Participating Area
Rosa Unit
San Juan and Rio Arriba Counties
New Mexico

Please refer to copy of our letter dated January 29, 1958, regarding the revised Exhibits "B" for the above referenced applications for expansion. This letter was addressed to the Commissioner of Public Lands and we have received correspondence from the Commission's Office indicating that the applications have been forwarded to you for handling.

We respectfully request that you approve the revised Exhibits "B" in the manner set out in our January 29th letter and return them to us at your earliest convenience.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke
Claude Van Dyke
District Manager, Land Department

CVD:jc



IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

P. O. Box 6721
Roswell, New Mexico

February 24, 1958

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

Attention: Mr. R. N. Hickey

Gentlemen:

Your plan of development dated December 4, 1957, for the
Rosa Unit Area, New Mexico, for the calendar year 1958, has been
approved on this date subject to like approval by the appropriate State
of New Mexico officials.

One approved copy of the plan is enclosed.

Very truly yours,

(Orig. Sgd.) JOHN A. ANDERSON
JOHN A. ANDERSON
Regional Oil and Gas Supervisor

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)

In reply refer to:
Unit Division

February 6, 1958

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

Re: Rosa Unit Agreement
Fourth, Fifth and Sixth
Expansions of the Mesaverde
Participating Area

ATTENTION: Mr. Claude Van Dyke

Gentlemen:

We are handing to the New Mexico Oil Conservation Commission, two copies of the above designated applications with revised exhibits "B" attached. These revisions having been initialed by the Commissioner of Public Lands February 5, 1958.

Also attached are copies of the Fourth, Fifth and Sixth revised Exhibit "B" which we assume are for the Oil Conservation Commission's file.

Very truly yours,

MURRAY E. MORGAN,
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MMR/s

cc: Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

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

In reply refer to:
Unit Division

January 22, 1958

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

Re: Rosa Unit - Plan of
Development for Calendar
year 1958

Attention: R. W. Rickey

Gentlemen:

We are enclosing two copies of your Plan of Development, for the Calendar year 1958, on the Rosa Unit Area, which was approved by the Commissioner of Public Lands January 22, 1958.

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

Very truly yours,

MURRAY E. MORGAN,
Commissioner of Public Lands

BY:

Ted Bilberry, Supervisor
Oil and Gas Division

MEM/MMR/s

cc: United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

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

File

133

January 15, 1958

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

Re: Rosa Unit
Supplement to 1957
Plan of Development
Mesaverde Formation

Attention: Mr. Van Dyke

In reply to our telephone conversation of today, by this letter we are herewith approving the Supplement to your 1957 Plan of Development, which is dated June 13, 1957.

The date of our approval shall be effective as of June 17, 1957, and effective as of the date the United States Geological Survey, approved.

Very truly yours,



MURRAY E. MORGAN,
Commissioner of Public Lands

MEM/MMR/s
cc:

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

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

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

January 15, 1958

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

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: Rosa Unit-Federal Unit No. I-Sec. No. 587
San Juan and Rio Arriba Counties,
New Mexico
Disposition of 1957 Plan of Development
Wells

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, filed a Plan of Development for the calendar year 1957 on December 27, 1956. This Plan proposed the drilling of six (6) Mesaverde wells in the Rosa Unit. This Plan of Development was approved by the United States Geological Survey on February 4, 1957, the Commissioner of Public lands on January 8, 1957, and the Oil Conservation Commission on February 28, 1957. On June 13, 1957, Pacific supplemented the 1957 Plan of Development with the addition of three (3) wells and this Supplemental Plan was approved by the United States Geological Survey on June 25, 1957, the Commissioner of Public Lands on June 17, 1957, and the Oil Conservation Commission on August 27, 1957.

By letter dated November 27, 1957, Pacific requested that the well scheduled for the NE/4 of Section 32, Township 32 North, Range 6 West be deleted from the 1957 Plan for reason of inaccessability of the drill site due to inclement weather conditions.

Eight (8) of the nine (9) wells scheduled on the revised 1957 Plan of Development were completed as follows:

<u>Well Name</u>	<u>Location</u>	<u>Date Completed</u>	<u>I. P.</u>
# 19-24	SW/4 Section 24, T 31 N, R 6 W	6-27-57	3,313 MCF CAOF
# 20-14	NE/4 Section 14, T 31 N, R 6 W	6-12-57	3,835 MCF CAOF
# 21-23	SW/4 Section 23, T 31 N, R 6 W	5-2-57	3,585 MCF CAOF

Rosa Unit
January 15, 1958
Page 2

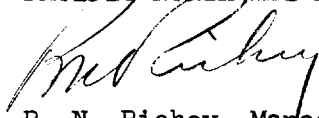
<u>Well Name</u>	<u>Location</u>	<u>Date Completed</u>	<u>I. P.</u>
# 22-18	NE/4 Section 18, T 31 N, R 5 W	6-12-57	3,928 MCF CAOF
# 23-29	SW/4 Section 29, T 31 N, R 5 W	5-2-57	2,295 MCF CAOF
# 24-32	SW/4 Section 32, T 31 N, R 5 W	2-8-57	2,633 MCF CAOF
# 26-32	NE/4 Section 32, T 31 N, R 5 W	10-15-57	3,074 MCF CAOF
# 25-15	SW/4 Section 15, T 31 N, R 6 W	7-8-57	2,619 MCF CAOF

Upon completion of the 1957 Plan of Development with its indicated results, Pacific as Unit Operator, in concurrence with the other Working Interest Owners in the Unit, prepared and submitted the 1958 Plan of Development for 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 Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 9, 1957

File
Case 121
REPLY TO:
P. O. Box 1526
SALT LAKE CITY 10, UTAH

Working Interest Owners
Rosa Unit

Re: Rosa Unit
San Juan and Rio Arriba
Counties, New Mexico

Enclosed herewith are revised copies of Page 2 of Schedule attached to the Sixth Application for Expansion, Mesaverde Participating Area, Rosa Unit.

The revision contained on the enclosed page pertains to Tract No XXVII correcting the description and acreage amount for lands described in Section 32. The percentage figures indicating Unit Participation and Total Tract Participation for this tract are not changed.

Please substitute this page in the copies of the Expansions previously furnished you.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 5 W</u> <u>Section 32:</u>	NW/4	160.00	12.5%	.232267 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.812934 % 0.812933 %	1.858134 %	XXV
<u>T 31 N R 5 W</u> <u>Section 32:</u>	S/2	320.00	E-347 12.5%	.464534 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	1.625867 % 1.625867 %	3.716268 %	XXVII
<u>31 N, R 5 W</u> <u>Section 18:</u>	All	463.72	SF 078764 12.5 %	.673167 %	Pacific North- west Pipeline Corporation 87.5 %	4.712169 %	5.385336 %	XVIII
<u>T 31 N, R 6 W</u> <u>Section 15:</u>	Lots 1 and 2, E/2 SW/4	118.97	SF 078765 12.5%	.172705 %	Pacific North- west Pipeline Corporation 87.5 %	1.208934 %	1.381639 %	XXXIII
<u>T 31 N, R 6 W</u> <u>Section 15:</u>	Tract #38	112.21	Fee 12.5%	.162891 %	Pacific North- west Pipeline Corporation 87.5%	1.140241 %	1.303132 %	XXXVI
<u>T 31 N, R 6 W</u> <u>Section 15:</u>	Tract #39	80.00	Fee 12.5%	.116133 %	Pacific North- west Pipeline Corporation 87.5%	.812934 %	.929067 %	XXXVIII
<u>T 31 N, R 6 W</u> <u>Section 15:</u>	8.41 acres out of S/2 S/2 SW/4 SW/4		E-289 12.5%	.012209 %	Pacific North- west Pipeline Corporation 87.5%	.085459 %	.097668 %	XLIII

OFFICE 600
DEC 11 11:44
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: Rosa Unit - Federal Unit No. I-Sec. No. 587
San Juan and Rio Arriba Counties, N. M.
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 9 of the Rosa 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:

MESAVERDE LOCATIONS

W/2 Sec. 17, T 31 N, R 5 W
W/2 Sec. 12, T 31 N, R 6 W
E/2 Sec. 21, T 31 N, R 6 W
E/2 Sec. 32, T 32 N, R 6 W

PICTURED CLIFFS LOCATION

SW/4 Sec. 22, T 31 N, R 4 W

The Mesaverde wells will be drilled with mud to intermediate casing point below the Pictured Cliffs and with gas to total depth. A liner will be cemented from within the intermediate casing to bottom. The Mesaverde pay sands will be selectively perforated and given high velocity hydro-frac treatment.

The Mesaverde well in Section 32, Township 32 North, Range 6 West, and the Pictured Cliffs test will be drilled as exploratory wells by the working interest owners pursuant to Section 12 of the Unit Agreement.

In addition to the above wells, Pacific Northwest Pipeline Corporation, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners. Among such other wells will be one, or possibly two wells, in Section 16, Township 31 North, Range 6 West, in the event questions of title are satisfactorily settled during the year.

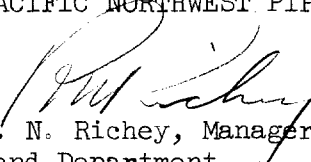
Page 2
Rosa Unit - Plan of Development for 1958
December 4, 1957

If this drilling program is acceptable, please signify your approval, as required by Section 9 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 furnished to the Working Interest Owners within the Unit as shown on the attached sheet.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:mdc
Attachment

APPROVED: _____
Supervisor, United States Geological Survey

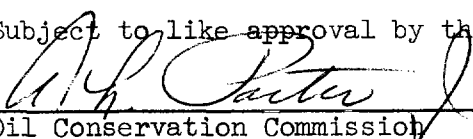
DATE: _____

Subject to like approval by the appropriate State officials.

APPROVED: _____
Commissioner of Public Lands

DATE: _____

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

APPROVED:  _____
Oil Conservation Commission

DATE: 3/28/58

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

ROSA UNIT

WORKING INTEREST OWNERS

Neville G. Penrose
1815 Fair Building
Fort Worth 2, Texas

Colorado Oil and Gas Company
Denver Club Building
Denver, Colorado

J. Glenn Turner
Turner, White, Atwood, McLane & Francis
17th Floor, Mercantile Bank Building
Dallas 1, Texas

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

Southern Petroleum Exploration, Inc.
P. O. Box 192
Sistersville, West Virginia
Attention: Mr. Paul W. Neuenschwander

Phillips Petroleum Company
508 Bank Building
Bartlesville, Oklahoma
Attention: Mr. R. F. Rood

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

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 5, 1957

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

Re: Rosa Unit
Rio Arriba and San Juan Counties
New Mexico.
PLAN OF DEVELOPMENT
CALENDAR YEAR 1958

TO ALL WORKING INTEREST OWNERS,
ROSA UNIT:

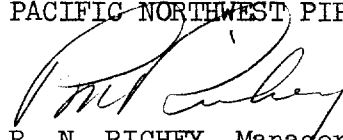
Submitted herewith for your approval is a copy of the 1958 Plan of Development that we, as Unit Operator, recommend for filing with the Regional Supervisor of the United States Geological Survey, The Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commission of the State of New Mexico.

This plan sets out the development to be undertaken in the above-captioned unit during the calendar year 1958. It is contemplated that the Pictured Cliffs Well in Section 22, T 31 N, R 4 W, and the Mesaverde Well in Section 32, T 32 N, R 6 W, will be drilled by and at the expense of the Working Interest Owners within the lands dedicated to each well while the remaining Mesaverde wells will be drilled by Pacific Northwest Pipeline Corporation as Unit Operator for and at the expense of the Participating Area. Your approval will constitute any Consents necessary under the Unit Operating Agreement and will be a commitment on your part to bear any costs allocable to your interest.

Prior to filing this plan, we must have the approval of a majority of the Working Interest Owners within the unit in accordance with Section 5 of the Unit Operating Agreement. We are very anxious to file this plan by December 20, 1957 and, therefore, will appreciate an immediate response by your returning a copy of this letter with the approved form completed.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. RICHEY, Manager,
Land Department

RNR:CVD:jc
Enc.

Attached 1958 Plan of Development Rosa Unit approved:

Company: _____

By: _____

Date: _____

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

November 27, 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: Rosa Unit
1957 Plan of Development
Mesaverde Formation
San Juan and Rio Arriba
Counties, New Mexico

*File
Case 133*

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

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

Gentlemen:

Reference is made to our letter dated June 13, 1957, in which we requested that three additional wells be supplemented on the 1957 Plan of Development for the Rosa Unit.

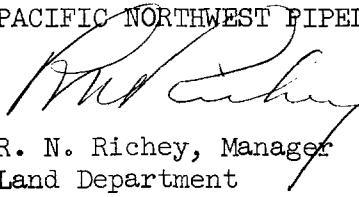
Well No. 1 on this revised list located in the NE/4 Section 32, Township 31 North, Range 5 West, and Well No. 3 located in the SW/4 Section 15, Township 31 North, Range 6 West, have been completed as planned. Well No. 2, NE/4 Section 32, Township 32 North, Range 6 West, was one of the wells requested by El Paso Natural Gas Company and was to be drilled by El Paso.

By letter dated November 19, 1957, from El Paso, we are requested that, due to the inaccessability of this location and the severe winter weather conditions presently prevailing in the area, El Paso be permitted to defer the drilling of this well until the Spring of 1958.

In the absence of any objection by regulatory authorities to the deferment of this well, Pacific, as Unit Operator approves El Paso's request for deferment, and will include on its 1958 Plan of Development for the Rosa Unit the subject deferred well to be located in the NE/4 Section 32, Township 32 North, Range 6 West.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:jc

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

Done

November 25, 1957

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

Attention: Mr. R. M. Richey

file
C 954
133

Re: Rosa Unit-San Juan and
Rio Arriba Counties
Fourth, Fifth and Sixth
Expansions - Mesaverde
Participating Area

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fourth and Fifth Expansions of the Mesaverde Participating Area dated August 21, 1957, and the Sixth Expansion of the Mesaverde Participating Area dated November 13, 1957 for the Rosa Unit. Two approved copies of the Fourth and Fifth Expansions and five copies of the Sixth Expansion are returned herewith.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

DSN:omg

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

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Y

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PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

August 21, 1957

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

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

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

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

Re: Application for Approval of Fourth
and Fifth Expansions of the Mesa-
verde Participating Area for the
Rosa Unit.
San Juan and Rio Arriba Counties
New Mexico

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, approved by the Director of the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commissioner of the State of New Mexico, affecting lands in the Rosa Unit Area in San Juan and Rio Arriba Counties, New Mexico, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby submits for your approval a selection of lands to constitute the Fourth and Fifth Expansions of the Participating Area for the Mesaverde zone.

The lands to be included in the Fourth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on June 12, 1957, of Rosa Unit Well # 22-18 located in the NE/4 of Section 18, Township 31 North, Range 5 West. This well was completed in the Mesaverde zone from 5530' to 5848' for an initial potential of 3016 MCFGPD through 3/4" choke on tubing. Shut-in tubing pressure was 1158#, and shut-in casing pressure 1257#. By the completion of Well # 22-18 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved productive and should be included in the Fourth Expansion of the Mesaverde Participating Area, effective as of July 1, 1957:

<u>Township 31 North, Range 5 West</u>	<u>Acres</u>
Section 18: All	463.72
Total Acres	463.72

The lands to be included in the Fifth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on July 2, 1957, of Rosa Unit Well # 25-15, located in the SW/4 of Section 15, Township 31 North, Range 6 West. This well was completed in the Mesaverde zone from 5234' to 5560' for an initial potential of 2583 MCFGPD through 3/4" choke on tubing. Shut-in tubing pressure was 1200#, and shut-in casing pressure 1212#. By the completion of Well #25-15 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved

Page 2
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
August 21, 1957

productive and should be included in the Fifth Expansion of the Mesaverde Participating Area, effective as of August 1, 1957:

<u>Township 31 North, Range 6 West</u>	<u>Acres</u>
Section 15: W/2	319.59
Total Acres	319.59

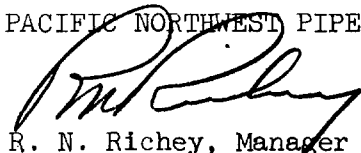
In support of the applicant's recommendations for the Fourth and Fifth Expansions to the Mesaverde Participating Area for the Rosa Unit, the applicant attaches hereto and makes a part hereof the following items:

- (1) A map of the Rosa Unit indicating the present Participating Area and the proposed Fourth and Fifth Expansions of the Participating Area for the Mesaverde zone.
- (2) Schedules marked Exhibit "B" showing the leases included in the proposed participating areas and setting forth a percentage of unitized substances to be allocated to each unitized tract within the proposed participating area.
- (3) A brief geological and engineering report marked Exhibit "C" discussing the general area of the proposed Fourth and Fifth Expansions in the participating area for the Mesaverde zone.

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, respectfully requests that the Director, the Commissioner and the Oil Conservation Commission approve the selection of lands to constitute the Fourth and Fifth Expansions of the Mesaverde Participating Area for the Rosa Unit to be effective as of July 1, 1957 and August 1, 1957, respectively.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

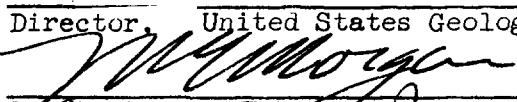

R. N. Richey, Manager
Land Department

RNR:CVD:jc


Enc.

APPROVED: _____ DATE: _____

Director, United States Geological Survey


Commissioner of Public Lands

DATE: September 3, 1957


Oil Conservation Commission

DATE: _____

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

EXHIBIT "B"

SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 6 W</u>					Pacific NW Pipeline			
Sec. 11: All	2560.00	SF 078771	12.5%	4.014453 %	87.5%	28.101163 %	32.115616 %	XXXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
<u>T 31 N, R 6 W</u>								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.704887 %	87.5%	11.934213 %	13.639100 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
<u>T 31 N, R 6 W</u>								
Sec. 15: E/2	320.00	SF 078765	12.5%	.501807 %	87.5%	3.512645 %	4.014452 %	XXXIII
<u>T 31 N, R 6 W</u>								
Sec. 22: E/2	864.48	SF 078766	12.5%	1.355631 %	87.5%	9.489411 %	10.845042 %	XXXIX
Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4								
<u>T 31 N, R 5 W</u>								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.702824 %	87.5%	18.919768 %	21.622592 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4,								
Sec. 31: E/2, Lots 1,2,3,4.								
<u>T 31 N, R 5 W</u>								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.250903 %	87.5%	1.756323 %	2.007226 %	XXI
<u>T 31 N, R 5 W</u>								
Sec. 20: SW/4	320.00	FEE	12.5%	.501806 %	87.5%	3.512646 %	4.014452 %	XX
Sec. 29: NW/4								
<u>T 31 N, R 5 W</u>								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.238703 %	87.5%	1.670922 %	1.909625 %	XIX

EXHIBIT "B"

SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Section 32: NW/4	160.00		12.5%	.250903 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	0.878161 % 0.878162 %	2.007226 %	XXV
T 31 N, R 5 W Sec. 32: SW/4	160.00	E-347	12.5%	.250903 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	0.878162 % 0.878161 %	2.007226 %	XXVII
T 31 N, R 5 W Section 18: All	463.72	SF 078764	12.5%	.727180 %	Pacific North- west Pipeline Corporation 87.5 %	5.090263 %	5.817443 %	XVIII
TOTALS	7,971.20			12.500000 %		87.500000 %	100.000000 %	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARriba & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest* Pacific NW Pipeline	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 6 W								
Sec. 11: All	2560.00	SF 078771	12.5%	3.859704 %	87.5%	27.017933 %	30.877637 %	XXXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T 31 N, R 6 W								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.639168 %	87.5%	11.474179 %	13.113347 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
T 31 N, R 6 W								
Sec. 15: E/2	320.00	SF 078765	12.5%	.482462 %	87.5%	3.377243 %	3.859705 %	XXXIII
T 31 N, R 6 W								
Sec. 22: E/2	864.48	SF 078766	12.5%	1.303374 %	87.5%	9.123618 %	10.426992 %	XXXIX
Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4								
T 31 N, R 5 W								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.598637 %	87.5%	18.190455 %	20.789092 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4,								
Sec. 31: E/2, Lots 1,2,3,4.								
T 31 N, R 5 W								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.241232 %	87.5%	1.658620 %	1.929852 %	XXI
T 31 N, R 5 W								
Sec. 20: SW/4	320.00	FEE	12.5%	.482463 %	87.5%	3.377242 %	3.859705 %	XX
Sec. 29: NW/4								
T 31 N, R 5 W								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.229502 %	87.5%	1.606511 %	1.836013 %	XIX

EXHIBIT "B"

SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Section 32:	NW/4	160.00	12.5%	.241232 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.844310 % 0.844311 %	1.929853 %	XXV
T 31 N R 5 W Section 32:	SW/4	160.00	12.5%	.241232 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	0.844310 % 0.844310 %	1.929852 %	XXVII
T 31 N, R 5 W Section 18:	All	463.72	12.5 %	.699149 %	Pacific North- west Pipeline Corporation 87.5 %	4.894045 %	5.593194 %	XVIII
T 31 N, R 6 W Section 15:	Lots 1 and 2, E/2 SW/4	118.97	12.5%	.179371 %	Pacific North- west Pipeline Corporation 87.5 %	1.255595 %	1.434966 %	XXXIII
T 31 N, R 6 W Section 15:	Tract #38	112.21	12.5%	.169179 %	Pacific North- west Pipeline Corporation 87.5%	1.184250 %	1.353429 %	XXXVI
T 31 N, R 6 W Section 15:	Tract #39	80.00	12.5%	.120616 %	Pacific North- west Pipeline Corporation 87.5%	.844310 %	.964926 %	XXXVIII
T 31 N, R 6 W Section 15:	8.41 acres out of S/2 S/2 SW/4 SW/4	E-289	12.5%	.012680 %	Pacific North- west Pipeline Corporation 87.5%	.088757 %	.101437 %	XLIII
TOTALS		8,290.79		12.500000 %		87.500000 %	100.000000 %	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

4th and 5th EXPANSIONS OF MESAVERDE PARTICIPATING AREA, ROSA UNIT, SAN JUAN AND RIO ARriba COUNTIES, NEW MEXICO.

Since the last expansion of the Mesaverde participating area in the Rosa Unit, two additional wells have been completed. The #22-18 well, NE/4, Sec. 18, T-31N, R-5W, was completed in the Mesaverde formation for an initial potential of 3928 MCF/D and the #25-15 well, SW/4, Sec. 15, T-31N, R-6W, was completed in the Mesaverde formation for an initial potential of 2619 MCF/D.

An examination and comparison of the radioactivity logs of the two subject wells with the logs of the other wells in the Rosa Unit, shows that the wells are completed in the same reservoir (Mesaverde). The #22-18 and #25-15 wells are also on the same geologic structure, a northeast-dipping monocline, as the rest of the wells in the Unit.

In view of the above mentioned considerations, the W/2 of Sec. 15, T-31N, R-6W, Rio Arriba and San Juan Counties, New Mexico, and all of partial Sec. 18, T-31N, R-5W, Rio Arriba County, New Mexico, are geologically recommended for inclusion in the Mesaverde participating area of the Rosa Unit.



V. H. Zabel, Manager
Geological Department

000

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

November 13, 1957

REPLY TO:
P. O. BOX 1526
SALT LAKE CITY 10, UTAH
NOV 15 1957

Director
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: Application for Approval of Sixth
Expansion of the Mesaverde Participating
Area for the Rosa Unit.
San Juan and Rio Arriba Counties
New Mexico

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

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, approved by the Director of the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commissioner of the State of New Mexico, affecting lands in the Rosa Unit Area in San Juan and Rio Arriba Counties, New Mexico, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby submits for your approval a selection of lands to constitute the Sixth Expansion of the Participating Area for the Mesaverde zone. Me

The lands to be included in the Sixth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on October 15, 1957, of Rosa Unit Well #26-32 located in the NE/4 of Section 32, Township 31 North, Range 5 West. This well was completed in the Mesaverde zone from 5544' to 5958' for an initial potential of 3074 MCFGPD, CAOF. Shut-in tubing pressure was 1,220#, and shut-in casing pressure 1,220#. By the completion of Well #26-32 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved productive and should be included in the Sixth Expansion of the Mesaverde Participating Area, effective as of November 1, 1957:

<u>Township 31 North, Range 5 West</u>	<u>Acres</u>
Section 32: E/2	320.00
Total Acres	320.00

In support of the applicant's recommendations for the Sixth Expansion to the Mesaverde Participating Area for the Rosa Unit, the applicant attaches hereto and makes a part hereof the following items:

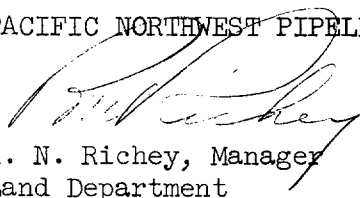
Page 2
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
November 13, 1957

- (1) A map of the Rosa Unit indicating the present Participating Area and the proposed Fourth and Fifth Expansions, submitted for approval on the 21st day of August 1957, and the proposed Sixth Expansion of the Participating Area for the Mesaverde zone.
- (2) Schedule marked Exhibit "B" showing the leases included in the proposed participating area and setting forth a percentage of unitized substances to be allocated to each unitized tract within the proposed participating area.
- (3) A brief geological and engineering report marked Exhibit "C" discussing the general area of the proposed Sixth Expansion in the participating area for the Mesaverde zone.

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, respectfully requests that the Director, the Commissioner and the Oil Conservation Commission approve the selection of lands to constitute the Sixth Expansion of the Mesaverde Participating Area for the Rosa Unit to be effective as of November 1, 1957.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:jc

Enc.

APPROVED: _____
Director, United States Geological Survey

DATE: _____


Commissioner of Public Lands

DATE: November 22, 1957


Oil Conservation Commission

DATE: Nov 25

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.

R. 6 W.

R. 4 W.

R. 5 W.

R. 6 W.

R. 5 W.

R. 4 W.

ROSA UNIT

SAN JUAN & RIO ARriba COUNTIES, NEW MEXICO

Scale: 1"=4000'

Present Mesaverde Participating Area

Proposed Sixth Expansion of Mesaverde Participating Area

Proposed Fourth Expansion of Mesaverde Participating Area
(Filed for approval 8-21-57)

Proposed Fifth Expansion of Mesaverde Participating Area
(Filed for approval 8-21-57)

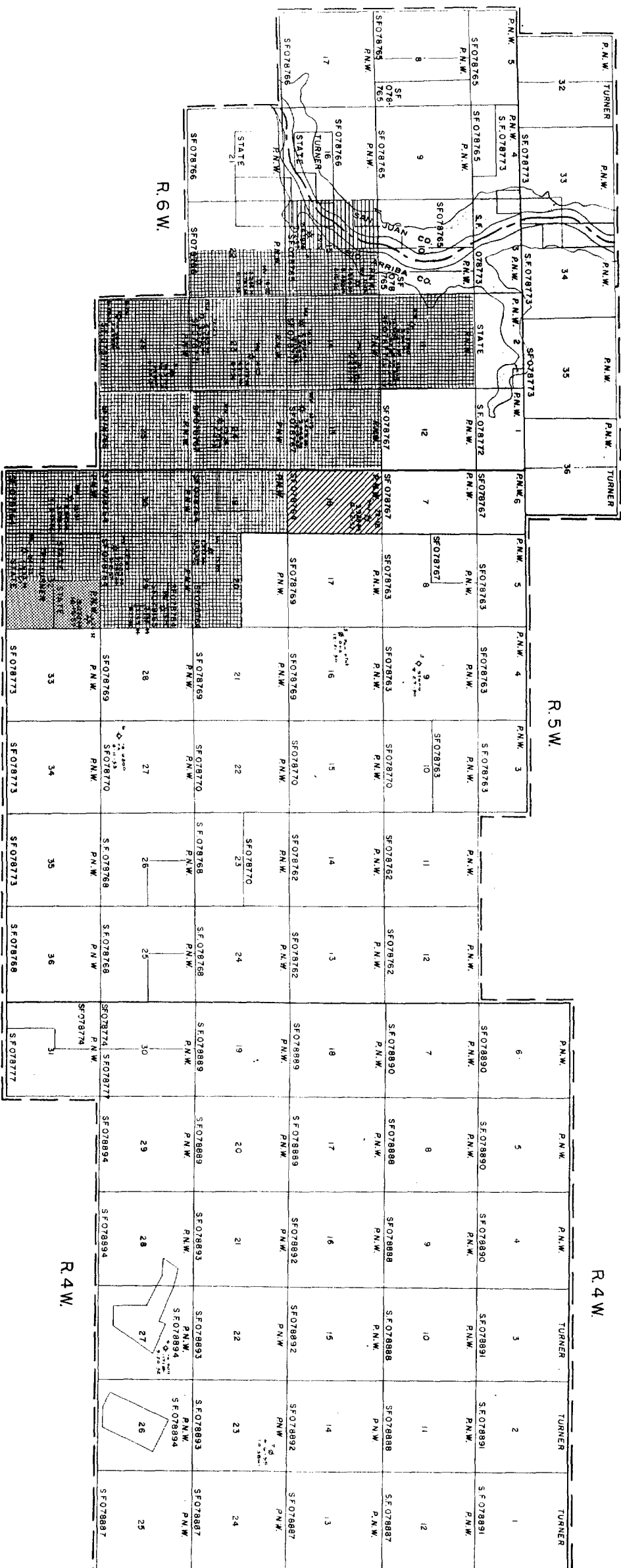


EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVARDE
SIXTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARIIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 6 W								
Sec. 11: All	2560.00	SF 078771	12.5%	3.716267 %	Pipeline 87.5%	26.013873 %	29.730140 %	XXXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T 31 N, R 6 W								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.578252 %	87.5%	11.047767 %	12.626019 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
T 31 N, R 6 W								
Sec. 15: E/2	320.00	SF 078765	12.5%	.464533 %	87.5%	3.251735 %	3.716268 %	XXXIII
T 31 N, R 6 W								
Sec. 22: E/2 Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	864.48	SF 078766	12.5%	1.254937 %	87.5%	8.784560 %	10.039497 %	XXXIX
T 31 N, R 5 W								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.502064 %	87.5%	17.514450 %	20.016514 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.								
T 31 N, R 5 W								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.232267 %	87.5%	1.625867 %	1.858134 %	XXI
T 31 N, R 5 W								
Sec. 20: SW/4 Sec. 29: NW/4	320.00	FREE	12.5%	.464534 %	87.5%	3.251734 %	3.716268 %	XX
T 31 N, R 5 W								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FREE	12.5%	.220973 %	87.5%	1.546809 %	1.767782 %	XIX

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 5 W</u> Section 32:	NW/4	160.00	12.5%	.232267 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.812934 % 0.812933 %	1.858134 %	XXV
<u>T 31 N R 5 W</u> Section 32:	SW/4	160.00	E-347 12.5%	.464534 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	1.625867 % 1.625867 %	3.716268 %	XXVII
<u>T 31 N, R 5 W</u> Section 18:	All	463.72	SF 078764 12.5 %	.673167 %	Pacific North- west Pipeline Corporation 87.5 %	4.712169 %	5.385336 %	XVIII
<u>T 31 N, R 6 W</u> Section 15:	Lots 1 and 2, E/2 SW/4	118.97	SF 078765 12.5%	.172705 %	Pacific North- west Pipeline Corporation 87.5 %	1.208934 %	1.381639 %	XXXIII
<u>T 31 N, R 6 W</u> Section 15:	Tract #38	112.21	Fee 12.5%	.162891 %	Pacific North- west Pipeline Corporation 87.5%	1.140241 %	1.303132 %	XXXVI
<u>T 31 N, R 6 W</u> Section 15:	Tract #39	80.00	Fee 12.5%	.116133 %	Pacific North- west Pipeline Corporation 87.5%	.812934 %	.929067 %	XXXVIII
<u>T 31 N, R 6 W</u> Section 15:	8.41 acres out of S/2 S/2 SW/4 SW/4		E-289 12.5%	.012209 %	Pacific North- west Pipeline Corporation 87.5%	.085459 %	.097668 %	XLIII

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Sec. 32: NE/4	160.00	E 347-28	12.5%	.232267 %	Pacific NW Pipeline 87.5%	1.625867 %	1.858134 %	XXVI
TOTALS	8,610.79			12.500000 %		87.500000 %	100.000000%	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

SIXTH EXPANSION OF MESA VERDE PARTICIPATING AREA, ROSA UNIT, RIO ARriba
AND SAN JUAN COUNTIES, NEW MEXICO

Since the last expansion of the Mesa Verde participating area in the Rosa Unit, one additional well has been drilled. The #26-32 Well, NE/4, Sec. 32, T-31N, R-5W, NMPM was completed in the Mesa Verde formation for an initial potential of 307⁴ MCF/D, calculated absolute open flow.

An examination and comparison of the radioactivity log of the #26-32 Well with the logs of the other wells in the Rosa Unit participating area, has shown that the wells are completed in the same reservoir and are located on the same geologic structure.

In view of the above mentioned facts, the E/2 Sec. 32, T-31N, R-5W, Rio Arriba County, New Mexico is geologically recommended for inclusion in the Mesa Verde participating area of the Rosa Unit.


V. H. Zabel

RECEIVED
OCT 22 1957

File
Well 26-32
Recorded RES

November 22, 1957

In reply refer to:
Unit Division

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

Re: Application for
approval of the Sixth
Expansion of Mesaverde
Participating Area
Rose Unit

Attention: Mr. Claude Van Dyke

Gentlemen:

We are today transmitting to the Oil Conservation
Commission under carbon copy of this letter, seven copies
of the above designated application.

This application was approved by the Commissioner of
Public Lands November 22, 1957.

May we have another copy at such time as this appli-
cation is fully approved.

Very truly yours,

MURRAY E. MORGAN
Commissioner of Public Lands

By: Ted Bilberry, Supervisor
Oil and Gas Department

MEM:MMR
cc: OGC-Santa Fe
USGS-Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

November 18, 1957

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

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

Attention: Mr. Ted Bilberry

Gentlemen:

Re: Application for Approval of the
Sixth Expansion of the Mesaverde
Participating Area for the Rosa Unit.
San Juan and Rio Arriba Counties
New Mexico

Transmitted herewith are eight copies of Application for Approval of the Sixth Expansion of the Mesaverde Participating Area for the Rosa Unit for your examination and approval. We will appreciate your executing all eight copies and forward seven of these executed copies to the Oil Conservation Commission for like approval and execution. It is expected that you will retain one copy for your files.

The United States Geological Survey Office requires that they be furnished with five approved copies of this application whereon both the Commissioner of Public Lands and the Oil Conservation Commission have signified their approval of the application for expansion.

By carbon copy of this letter to the Oil Conservation Commission, we herewith request that they execute all the copies forwarded to them by you and return to us six copies of the application so that we can forward them to the United States Geological Survey Office.

We would also like to point out to the Oil Conservation Commission that we have not received from them the four copies of the Fourth and Fifth Application for Expansion to the Rosa Unit which we sent to them on September 27, 1957. It is herewith requested that the Oil Conservation Commission expedite the return of the Fourth and Fifth Applications so

November 18, 1957
Page 2

that they may be forwarded to the United States Geological Survey Office.

If you have any questions concerning any of these applications for approval, please contact us immediately.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

C. W. H. H. H.
C. W. H. H. H.

Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

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

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

November 13, 1957

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

Director
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: Application for Approval of Sixth
Expansion of the Mesaverde Participating
Area for the Rosa Unit
San Juan and Rio Arriba Counties
New Mexico

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, approved by the Director of the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commissioner of the State of New Mexico, affecting lands in the Rosa Unit Area in San Juan and Rio Arriba Counties, New Mexico, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby submits for your approval a selection of lands to constitute the Sixth Expansion of the Participating Area for the Mesaverde zone.

The lands to be included in the Sixth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on October 15, 1957, of Rosa Unit Well #26-32 located in the NE/4 of Section 32, Township 31 North, Range 5 West. This well was completed in the Mesaverde zone from 5544' to 5958' for an initial potential of 3074 MCFGPD, CAOF. Shut-in tubing pressure was 1,220#, and shut-in casing pressure 1,220#. By the completion of Well #26-32 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved productive and should be included in the Sixth Expansion of the Mesaverde Participating Area, effective as of November 1, 1957:

<u>Township 31 North, Range 5 West</u>	<u>Acres</u>
Section 32: E/2	320.00
Total Acres	320.00

In support of the applicant's recommendations for the Sixth Expansion to the Mesaverde Participating Area for the Rosa Unit, the applicant attaches hereto and makes a part hereof the following items:

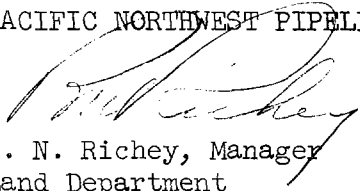
Page 2
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
November 13, 1957

- (1) A map of the Rosa Unit indicating the present Participating Area and the proposed Fourth and Fifth Expansions, submitted for approval on the 21st day of August 1957, and the proposed Sixth Expansion of the Participating Area for the Mesaverde zone.
- (2) Schedule marked Exhibit "B" showing the leases included in the proposed participating area and setting forth a percentage of unitized substances to be allocated to each unitized tract within the proposed participating area.
- (3) A brief geological and engineering report marked Exhibit "C" discussing the general area of the proposed Sixth Expansion in the participating area for the Mesaverde zone.

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, respectfully requests that the Director, the Commissioner and the Oil Conservation Commission approve the selection of lands to constitute the Sixth Expansion of the Mesaverde Participating Area for the Rosa Unit to be effective as of November 1, 1957.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

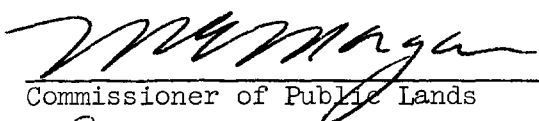

R. N. Richey, Manager
Land Department

RNR:CVD:jc

Enc.


APPROVED: _____
Director, United States Geological Survey

DATE: _____

2/5/58
WMM


Commissioner of Public Lands

DATE: November 22, 1957



Oil Conservation Commission

DATE: Nov 22 1957

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.

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVIERDE
SIXTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

3/5/8
[Signature]

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest* Pacific NW	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 6 W</u>								
Sec. 11: All	2560.00	SF 078771	12.5%	3.716091 %	Pipeline 87.5%	26.012634 %	29.728725 %	XXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
<u>T 31 N, R 6 W</u>								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.578177 %	87.5%	11.047241 %	12.625418 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
<u>T 31 N, R 6 W</u>								
Sec. 15: E/2	320.00	SF 078765	12.5%	.464511 %	87.5%	3.251580 %	3.716091 %	XXXIII
<u>T 31 N, R 6 W</u>								
Sec. 22: E/2 Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	864.48	SF 078766	12.5%	1.254877 %	87.5%	8.784142 %	10.039019 %	XXXIX
<u>T 31 N, R 5 W</u>								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.501944 %	87.5%	17.513617 %	20.015561 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.								
<u>T 31 N, R 5 W</u>								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.232256 %	87.5%	1.625789 %	1.858045 %	XXI
<u>T 31 N, R 5 W</u>								
Sec. 20: SW/4	320.00	FEE	12.5%	.464511 %	87.5%	3.251580 %	3.716091 %	XX
Sec. 29: NW/4								
<u>T 31 N, R 5 W</u>								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.220962 %	87.5%	1.546736 %	1.767698 %	XIX

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Section 32: NW/4	160.00		12.5%	.232256 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.812894 % 0.812895 %	1.858045 %	XXV
T 31 N R 5 W Section 32: S/2	320.00	E-347	12.5%	.464512 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	1.625789 % 1.625790 %	3.716091 %	XXVII
T 31 N, R 5 W Section 18: All	463.72	SF 078764	12.5 %	.673135 %	Pacific North- west Pipeline Corporation 87.5 %	4.711945 %	5.385080 %	XVIII
T 31 N, R 6 W Section 15: Lots 1 and 2, E/2 SW/4	118.97	SF 078765	12.5%	.172697 %	Pacific North- west Pipeline Corporation 87.5 %	1.208876 %	1.381573 %	XXXIII
T 31 N, R 6 W Section 15: Tract #38	112.62	Fee	12.5%	.163479 %	Pacific North- west Pipeline Corporation 87.5%	1.144353 %	1.307832 %	XXXVI
T 31 N, R 6 W Section 15: Tract #39	80.00	Fee	12.5%	.116128 %	Pacific North- west Pipeline Corporation 87.5%	.812895 %	.929023 %	XXXVIII
T 31 N, R 6 W Section 15: 8.41 acres out of S/2 S/2 SW/4 SW/4		E-289	12.5%	.012208 %	Pacific North- west Pipeline Corporation 87.5%	.085455 %	.097663 %	XLIII

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Sec. 32: NE/4	160.00	E 347-28	12.5%	.232256 %	Pacific NW Pipeline 87.5%	1.625789 %	1.858045 %	XXVI

TOTALS 8,611.20

12.500000 %

87.500000 %

100.000000%

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

SIXTH EXPANSION OF MESA VERDE PARTICIPATING AREA, ROSA UNIT, RIO ARRIBA
AND SAN JUAN COUNTIES, NEW MEXICO

Since the last expansion of the Mesa Verde participating area in the Rosa Unit, one additional well has been drilled. The #26-32 Well, NE/4, Sec. 32, T-31N, R-5W, NMPM was completed in the Mesa Verde formation for an initial potential of 307⁴ MCF/D, calculated absolute open flow.

An examination and comparison of the radioactivity log of the #26-32 Well with the logs of the other wells in the Rosa Unit participating area, has shown that the wells are completed in the same reservoir and are located on the same geologic structure.

In view of the above mentioned facts, the E/2 Sec. 32, T-31N, R-5W, Rio Arriba County, New Mexico is geologically recommended for inclusion in the Mesa Verde participating area of the Rosa Unit.


V. H. Zabel

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVARDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

2/5/58
Wm

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 6 W								
Sec. 11: All	2560.00	SF 078771	12.5%	3.859514 %	Pacific NW 87.5%	27.016595 %	30.876109 %	XXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T 31 N, R 6 W								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.639087 %	87.5%	11.473611 %	13.112698 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
T 31 N, R 6 W								
Sec. 15: E/2	320.00	SF 078765	12.5%	.482439 %	87.5%	3.377075 %	3.859514 %	XXXIII
T 31 N, R 6 W								
Sec. 22: E/2 Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	864.48	SF 078766	12.5%	1.303310 %	87.5%	9.123167 %	10.426477 %	XXXIX
T 31 N, R 5 W								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.598508 %	87.5%	18.189556 %	20.788064 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.								
T 31 N, R 5 W								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.241220 %	87.5%	1.688537 %	1.929757 %	XXI
T 31 N, R 5 W								
Sec. 20: SW/4 Sec. 29: NW/4	320.00	FEE	12.5%	.482439 %	87.5%	3.377075 %	3.859514 %	XX
T 31 N, R 5 W								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.229490 %	87.5%	1.606432 %	1.835922 %	XIX

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

2/5/58
M4m

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 5 W</u> Section 32:	NW/4		12.5%	.241220 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.844268 % 0.844269 %	1.929757 %	XXV
<u>T 31 N R 5 W</u> Section 32:	SW/4	E-347	12.5%	.241220 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	0.844268 % 0.844268 %	1.929756 %	XXVII
<u>T 31 N, R 5 W</u> Section 18:	All	SF 078764	12.5 %	.699115 %	Pacific North- west Pipeline Corporation 87.5 %	4.893803 %	5.592918 %	XVIII
<u>T 31 N, R 6 W</u> Section 15:	Lots 1 and 2, E/2 SW/4	SF 078765	12.5%	.179362 %	Pacific North- west Pipeline Corporation 87.5 %	1.255533 %	1.434895 %	XXXIII
<u>T 31 N, R 6 W</u> Section 15:	Tract #38	Fee	12.5%	.169788 %	Pacific North- west Pipeline Corporation 87.5%	1.188520 %	1.358308 %	XXXVI
<u>T 31 N, R 6 W</u> Section 15:	Tract #39	Fee	12.5%	.120610 %	Pacific North- west Pipeline Corporation 87.5%	.844268 %	.964878 %	XXXVIII
<u>T 31 N, R 6 W</u> Section 15:	8.41 acres out of S/2 S/2 SW/4 SW/4	E-289	12.5%	.012678 %	Pacific North- west Pipeline Corporation 87.5%	.088755 %	.101433 %	XLIII
TOTAL		8,291.20		12.500000 %		87.500000 %	100.000000 %	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVARDE
SIXTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

2/6/58
[Signature]

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest* Pacific NW Pipeline	Unit Participation	Total Tract Participation	Tract Index
T 31 N, R 6 W								
Sec. 11: All	2560.00	SF 078771	12.5%	3.716091 %	Pipeline 87.5%	26.012634 %	29.728725 %	XXXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T 31 N, R 6 W								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.578177 %	87.5%	11.047241 %	12.625418 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
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Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4								
T 31 N, R 5 W								
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Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.								
T 31 N, R 5 W								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.232256 %	87.5%	1.625789 %	1.858045 %	XXI
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<u>T 31 N R 5 W</u> Section 32:	S/2	320.00	E-347 12.5%	.464512 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	1.625789 % 1.625790 %	3.716091 %	XXVII
<u>T 31 N, R 5 W</u> Section 18:	All	463.72	SF 078764 12.5 %	.673135 %	Pacific North- west Pipeline Corporation 87.5 %	4.711945 %	5.385080 %	XVIII
<u>T 31 N, R 6 W</u> Section 15:	Lots 1 and 2, E/2 SW/4	118.97	SF 078765 12.5%	.172697 %	Pacific North- west Pipeline Corporation 87.5 %	1.208876 %	1.381573 %	XXXIII
<u>T 31 N, R 6 W</u> Section 15:	Tract #38	112.62	Fee 12.5%	.163479 %	Pacific North- west Pipeline Corporation 87.5%	1.144353 %	1.307832 %	XXXVI
<u>T 31 N, R 6 W</u> Section 15:	Tract #39	80.00	Fee 12.5%	.116128 %	Pacific North- west Pipeline Corporation 87.5%	.812895 %	.929023 %	XXXVIII
<u>T 31 N, R 6 W</u> Section 15:	8.41 acres out of S/2 S/2 SW/4 SW/4		E-289 12.5%	.012208 %	Pacific North- west Pipeline Corporation 87.5%	.085455 %	.097663 %	XLIII

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Sec. 32: NE/4	160.00	E 347-28	12.5%	.232256 %	Pacific NW Pipeline 87.5%	1.625789 %	1.858045 %	XXVI
TOTALS	8,611.20			12.500000 %		87.500000 %	100.000000%	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

CASE 133

MAIN OFFICE OCC

1957 OCT 4 AM 9:22

October 3, 1957

In reply refer to:
Unit Division

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

Re: Rosi Unit Agreement
Application for ap-
proval of Fourth and
Fifth Expansion of the
Mesa Verde Participating
Area

Attention: Mr. Claude Van Dyke

Gentlemen:

In regard to your request of September 27, 1957,
in which you requested that both the Commissioner of
Public Lands and the Director of the Oil Conservation
Commission approve the above designated application.

Under copy of this letter and copy of your letter
we are transmitting four approved copies to the Oil
Conservation Commission and requesting that they return
two approved copies to your office.

Very truly yours,

MURRAY E. MORGAN
Commissioner of Public Lands

By: Ted Bilberry, Supervisor
Oil and Gas Department

MEM:MMR/b
CC:OCC, Santa Fe

C
O
P
Y

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

September 30, 1957

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

1957 OCT 1 PM 12:59
MAIN OFFICE OCC

file 133

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: Approval of Third Expansion
Mesaverde Participating Area
Rosa Unit, San Juan and Rio
Arriba Counties, New Mexico

Approvals of the Third Application for the Expansion of the Mesaverde Participating Area for the Rosa Unit from the three agencies have now been received and were executed on the following dates:

Director
United States Geological Survey: September 17, 1957

Commissioner of Public Lands
State of New Mexico: May 1, 1957

New Mexico
Oil Conservation Commission: June 20, 1957

The Third Expansion becomes effective as of March 1, 1957. Copies of this letter are being sent to all Working Interest Owners in the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

RECEIVED
STATE LAND DEPT
SANTA FE, N.M.
File
C-1-1-1
PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

September 27, 1957

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

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

Attention: Mr. Ted Bilberry

Gentlemen:

Re: Application for Approval of Fourth
and Fifth Expansions of the Mesa-
verde Participating Area for the
Rosa Unit.
San Juan and Rio Arriba Counties,
New Mexico

On August 21, 1957 we forwarded to you copies of the above referenced Expansions for approval. We received from you on September 3, 1957, one copy signed by Mr. Morgan approving the subject Expansions as of September 3, 1957.

We have also received an approved copy of these Expansions from the Oil Conservation Commission approving as of August 27, 1957. The copies of these Expansions which were forwarded to the Director of the United States Geological Survey have been returned to us unapproved due to several minor clerical inconsistencies which we are now endeavoring to correct. One of the corrections wanted by the U.S.G.S. was that they be furnished with five copies of the Application showing the approval of both the Commissioner of Public Lands and the Oil Conservation Commission of New Mexico. They require that one copy contain the original execution of the approval by the two State Agencies and mention that the other four copies may contain reproduced signatures.

We are enclosing herewith four copies of the Fourth and Fifth Applications with the request that you execute two copies and then seek similar execution of the same copies by the Commission and return them to this office. We have provided copies for each of your files.

Your cooperation in this matter will be appreciated.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
Assistant Manager, Land Department

CVD:je

Enc.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH **MAIL OFFICE OCC**

September 4, 1957

1957 SEP 5 PM 1:01

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

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

file 137

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: Rosa Unit
Consent executed by Manuelita Lopez
Tract # 39
San Juan and Rio Arriba Counties
New Mexico

Gentlemen:

We are enclosing for your files copies of the following Consent:

Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Manuelita Lopez. This instrument was recorded in the County Records of San Juan County on August 15, 1957 in Book 341, Page 71 and was also recorded in the County Records of Rio Arriba County on August 29, 1957 in Volume 31, Page 311.

With this Consent, Manuelita Lopez's interest in Tract #39 appearing in Exhibit "B" of Unit Agreement is committed to the Rosa Unit.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

Attachments

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba County, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

507 East Carolina Ave.

Fruita, Colo.

Date: May 22, 1957

SIGNATURE

Manuelita Lopez
Manuelita Lopez

Date: _____

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

By: C. B. Allene

Vice-President

Working Interest Owner & Unit Operator

Date: _____

Approved and Consented to:
PAN AMERICAN PETROLEUM CORPORATION

By: Attorney

Vice President

Working Interest Owner

Approved and Consented to:
COLORADO OIL & GAS CORPORATION

By: J. P. Moroney

J. P. MORONEY, Vice President

STATE OF COLORADO)
) SS
COUNTY OF MESA)

On this _____ day of MAY 22 1957, 195____, before me personally appeared

MANUELITA LOPEZ

to me known to be the person _____ described in and who executed the foregoing instrument,
and acknowledged that SHE executed the same as HER free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public in and for Mesa County, Colo.
My Commission expires April 27, 1958

Albert J. Little
Notary Public
Residing at Fruita, Colo.

STATE OF _____)
) SS
COUNTY OF _____)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person _____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF _____)
) SS
COUNTY OF _____)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person _____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

MAIN OFFICE OCC

1957 SEP 4 AM 7:49

September 3, 1957

In reply refer to:
Unit Division

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

file 133

Re: Rosa Unit Agreement -
San Juan and Rio Arriba Counties,
New Mexico

Attention: Mr. R. N. Richey

Gentlemen:

We are enclosing one copy of your Application for Approval of the Fourth and Fifth Expansion of the Mesaverde Participating Area. This was approved by the Commissioner of Public Lands September 3, 1957.

We note you have completed, with the exception of two wells, both on State land, your drilling program for 1957.

Very truly yours,

MURRAY E. MORGAN
Commissioner of Public Lands

By: Ted Bilberry, Supervisor
Oil and Gas Department

MEM:MMR/m
Enc. 1

cc: OCC-Santa Fe
USGS-Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

August 27, 1957

MAIN OFFICE OCC

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

1957 AUG 29 PM 1:25

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: Rosa Unit
Consent executed by J. S.
Covert and S. P. Johnson, Jr.
San Juan and Rio Arriba Counties
New Mexico

We are enclosing for your files, copies of the following Consent:

Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico executed by J. S. Covert and wife, and S. P. Johnson, Jr. and wife. This instrument was recorded in the County Records of San Juan County on August 7, 1957, in Book 338 at Page 191 and was also recorded in the County Records of Rio Arriba County on August 22, 1957 in Volume 31 at Page 230.

With this Consent, the Coverts' and Johnsons' interest in Tract No. 36 appearing in Exhibit "B" of Unit Agreement is committed to the Rosa Unit.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

CONSENT, RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of an agreement of even date herewith between the undersigned and Pacific Northwest Pipeline Corporation, providing, among other things, for the drilling of a well on the West $\frac{1}{2}$ of Section 15, Township 31 North, Range 6 West, N.M.P.M., and in consideration of the development and operation of the lands covered by and included within the Unit Agreement for the Development and Operation of the Rosa Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, dated as of January 6, 1948, in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

Date: _____

J. S. Covert

Ruth K. Covert
Ruth K. Covert, his wife

Date: _____

S. P. Johnston, Jr.

Geraldine O. Johnston
Geraldine O. Johnston, his wife

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
BY: A. B. Allyn
Vice-President
Working Interest Owner & Unit Operator
Date: _____

Walt
RB

Approved and Consented to:
PAN AMERICAN PETROLEUM CORPORATION
BY: [Signature]
Vice-President ATTORNEY-IN-FACT
Working Interest Owner

APPROVED
[Signature]

Approved and Consented to:
COLORADO OIL & GAS CORPORATION
BY: [Signature]
Vice President

4K

STATE OF NEW MEXICO)
) SS
COUNTY OF CHAVES)

On this 20th day of May, 1957, before me personally appeared
J. S. Covert and Ruth K. Covert, husband and wife, and S. P. Johnson, Jr. and
Geraldine O. Johnson, husband and wife,
to me known to be the persons described in and who executed the foregoing instrument,
and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

April 12 1960

Cecil L. Anderson
Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

April 12 1960

Cecil L. Anderson
Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 26, 1957

**C
O
P
Y**

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

Attention: Mr. R. N. Richey

Re: Rosa Unit Area
San Juan and Rio Arriba Counties,
New Mexico
Fourth and Fifth Expansions of
Mesaverde Participating Area

file 133

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Fourth and Fifth Expansions of the Mesaverde Participating Area for the Rosa Unit, dated August 21, 1957, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One copy of the approved application is returned herewith.

Very truly yours,

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

ALP/DSN/ir

cc: U. S. G. S. - Roswell, New Mexico
Commissioner of Public Lands - Santa Fe, N.M.

PACIFIC NORTHWEST PIPELINE CORPORATION

MAIN OFFICE

SALT LAKE CITY, UTAH

1957 AUG 25 AM 8:35

August 21, 1957

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

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

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

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

Re: Application for Approval of Fourth
and Fifth Expansions of the Mesa-
verde Participating Area for the
Rosa Unit.
San Juan and Rio Arriba Counties,
New Mexico

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, approved by the Director of the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commissioner of the State of New Mexico, affecting lands in the Rosa Unit Area in San Juan and Rio Arriba Counties, New Mexico, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby submits for your approval a selection of lands to constitute the Fourth and Fifth Expansions of the Participating Area for the Mesaverde zone.

The lands to be included in the Fourth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on June 12, 1957, of Rosa Unit Well # 22-18 located in the NE/4 of Section 18, Township 31 North, Range 5 West. This well was completed in the Mesaverde zone from 5530' to 5848' for an initial potential of 3016 MCFGPD through 3/4" choke on tubing. Shut-in tubing pressure was 1158#, and shut-in casing pressure 1257#. By the completion of Well # 22-18 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved productive and should be included in the Fourth Expansion of the Mesaverde Participating Area, effective as of July 1, 1957:

<u>Township 31 North, Range 5 West</u>	<u>Acres</u>
Section 18: All	<u>463.72</u>
Total Acres	463.72

The lands to be included in the Fifth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on July 2, 1957, of Rosa Unit Well # 25-15, located in the SW/4 of Section 15, Township 31 North, Range 6 West. This well was completed in the Mesaverde zone from 5234' to 5560' for an initial potential of 2583 MCFGPD through 3/4" choke on tubing. Shut-in tubing pressure was 1200#, and shut-in casing pressure 1212#. By the completion of Well #25-15 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved

Page 2
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
August 21, 1957

productive and should be included in the Fifth Expansion of the Mesaverde Participating Area, effective as of August 1, 1957:

<u>Township 31 North, Range 6 West</u>	<u>Acres</u>
<u>Section 15: W/2</u>	<u>319.59</u>
Total Acres	319.59

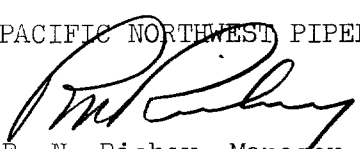
In support of the applicant's recommendations for the Fourth and Fifth Expansions to the Mesaverde Participating Area for the Rosa Unit, the applicant attaches hereto and makes a part hereof the following items:

- (1) A map of the Rosa Unit indicating the present Participating Area and the proposed Fourth and Fifth Expansions of the Participating Area for the Mesaverde zone.
- (2) Schedules marked Exhibit "B" showing the leases included in the proposed participating areas and setting forth a percentage of unitized substances to be allocated to each unitized tract within the proposed participating area.
- (3) A brief geological and engineering report marked Exhibit "C" discussing the general area of the proposed Fourth and Fifth Expansions in the participating area for the Mesaverde zone.

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, respectfully requests that the Director, the Commissioner and the Oil Conservation Commission approve the selection of lands to constitute the Fourth and Fifth Expansions of the Mesaverde Participating Area for the Rosa Unit to be effective as of July 1, 1957 and August 1, 1957, respectively.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

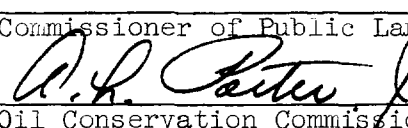

R. N. Richey, Manager
Land Department

RNR:CVD:jc

Enc.

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

Commissioner of Public Lands


Oil Conservation Commission

DATE: _____
DATE: **AUG 27 1957**



Present Mesaverde Participating Area

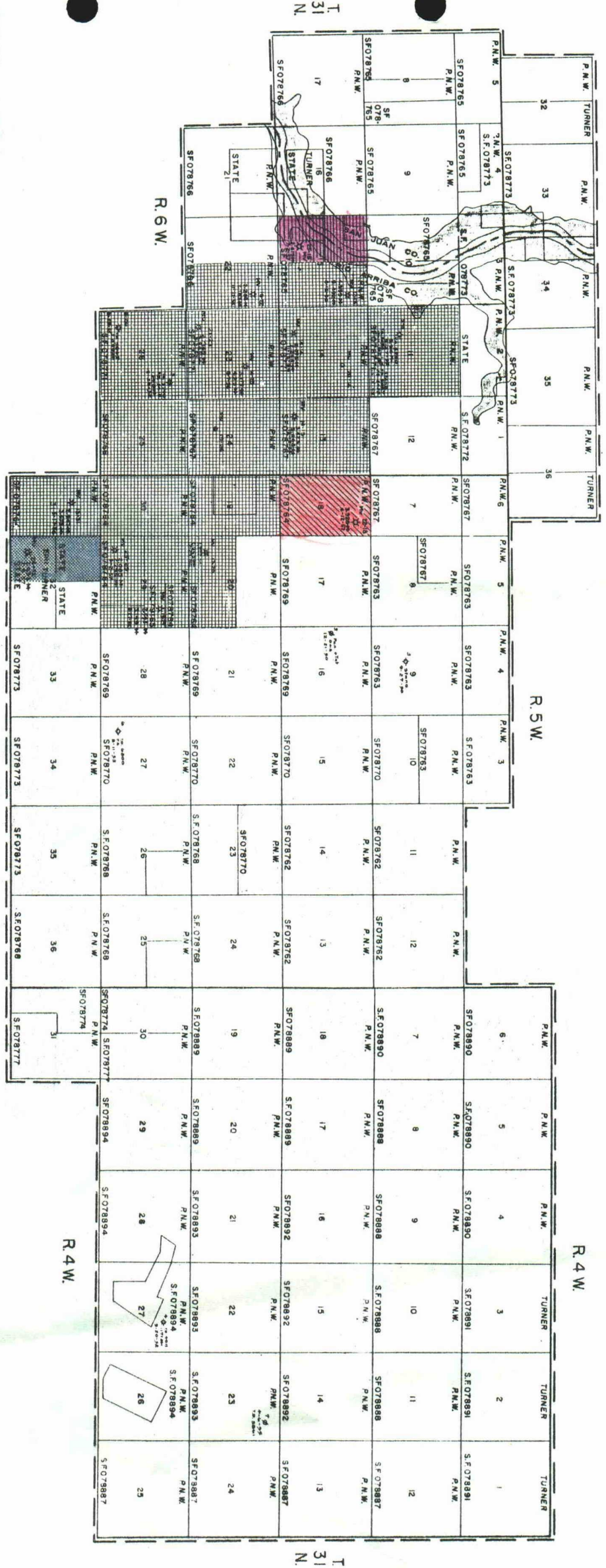
Proposed Third Expansion of Mesaverde Participating Area (filed for approval 4-18-57)

Proposed Fourth Expansion of Mesaverde Participating Area

Proposed Fifth Expansion of Mesaverde Participating Area

SAN JUAN 8 RIO ARRIBA COUNTIES, NEW MEXICO

Scale: 1"=4000'



T. 31 N.

T. 31 N.

EXHIBIT "B"
 SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVIERDE
 FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation
T 31 N, R 6 W							
Sec. 11: All	2560.00	SF 078771	12.5%	4.014453 %	Pipeline Interest* 87.5%	28.101163 %	32.115616 %
Sec. 14: All							
Sec. 23: All							
Sec. 26: All							
T 31 N, R 6 W							
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.704887 %	87.5%	11.934213 %	13.635100 %
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.							
T 31 N, R 6 W							
Sec. 15: E/2	320.00	SF 078765	12.5%	.501807 %	87.5%	3.512645 %	4.014452 %
T 31 N, R 6 W							
Sec. 22: E/2	864.48	SF 078766	12.5%	1.355631 %	87.5%	9.489411 %	10.845042 %
Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4							
T 31 N, R 5 W							
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.702824 %	87.5%	18.919768 %	21.622592 %
Sec. 20: SE/4							
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4							
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.							
T 31 N, R 5 W							
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.250903 %	87.5%	1.756323 %	2.007226 %
T 31 N, R 5 W							
Sec. 20: SW/4	320.00	FREE	12.5%	.501806 %	87.5%	3.512646 %	4.014452 %
Sec. 29: NW/4							
T 31 N, R 5 W							
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FREE	12.5%	.238703 %	87.5%	1.670922 %	1.909625 %

EXHIBIT "B"
 SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERTDE
 FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation
<u>T 31 N, R 5 W</u> Section 32: W/2	320.00	E-347	12.5 %	.501806	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	1.756323 % 1.756323 %	4.014452 %
<u>T 31 N, R 5 W</u> Section 18: All	463.72	SF 078764	12.5 %	.727180 %	Pacific North- west Pipeline Corporation 87.5 %	5.090263 %	5.817443 %
TOTALS	7,971.20			12.500000 %		87.500000 %	100.000000 %

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest* Pacific NW Pipeline	Unit Participation	Total Tract Participation
T 31 N, R 6 W							
Sec. 11: All							
Sec. 14: All	2560.00	SF 078771	12.5%	3.859704 %	87.5%	27.017933 %	30.877637 %
Sec. 23: All							
Sec. 26: All							
T 31 N, R 6 W							
Sec. 13: W/2, W/2 E/2	1087.20	SF 078767	12.5%	1.639168 %	87.5%	11.474179 %	13.113347 %
Lots 1,2,3,4,							
Sec. 24: W/2, W/2 E/2							
Lots 1,2,3,4.							
T 31 N, R 6 W							
Sec. 15: E/2	320.00	SF 078765	12.5%	.482462 %	87.5%	3.377243 %	3.859705 %
T 31 N, R 6 W							
Sec. 22: E/2	864.48	SF 078766	12.5%	1.303374 %	87.5%	9.123618 %	10.426992 %
Sec. 25: W/2, W/2 E/2							
Lots 1,2,3,4							
T 31 N, R 5 W							
Sec. 19: E/2 E/2, NW/4	1723.58	SF 078764	12.5%	2.598637 %	87.5%	18.190455 %	20.789092 %
NE/4, SW/4 SE/4							
Sec. 20: SE/4							
Sec. 29: N/2 NE/4, SW/4,							
W/2 SE/4							
Sec. 30: E/2, Lots 1,2,3,4,							
Sec. 31: E/2, Lots 1,2,3,4.							
T 31 N, R 5 W							
Sec. 29: S/2 NE/4	160.00	SF 079165	12.5%	.241232 %	87.5%	1.688620 %	1.929852 %
E/2 SE/4							
T 31 N, R 5 W							
Sec. 20: SW/4	320.00	FEE	12.5%	.482463 %	87.5%	3.377242 %	3.859705 %
Sec. 29: NW/4							
T 31 N, R 5 W							
Sec. 19: Lots 2,3,	152.22	FEE	12.5%	.229502 %	87.5%	1.606511 %	1.836013 %
SW/4 NE/4,							
NW/4 SE/4							

EXHIBIT "B"
 SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERRDE
 FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation
T 31 N, R 5 W Section 32:	W/2	E-347	12.5 %	.482463 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	1.688621 % 1.688621 %	3.859705 %
T 31 N, R 5 W Section 18:	All	SF 078764	12.5 %	.699149 %	Pacific North- west Pipeline Corporation 87.5 %	4.894045 %	5.593194 %
T 31 N, R 6 W Section 15:	Lots 1 and 2, E/2 SW/4	SF 078765	12.5 %	.179371 %	Pacific North- west Pipeline Corporation 87.5 %	1.255595 %	1.434966 %
T 31 N, R 6 W Section 15:	Tract #38	Fee	12.5 %	.169179 %	Pacific North- west Pipeline Corporation 87.5 %	1.184250 %	1.353429 %
T 31 N, R 6 W Section 15:	Tract #39	Fee	12.5 %	.120616 %	Pacific North- west Pipeline Corporation 87.5 %	.844310 %	.964926 %
T 31 N, R 6 W Section 15:	8.41 acres out of S/2 S/2 SW/4 SW/4	E-289	12.5 %	.012680 %	Pacific North- west Pipeline Corporation 87.5 %	.088757 %	.101437 %
TOTALS		8,290.79		12.500000 %		87.500000 %	100.000000 %

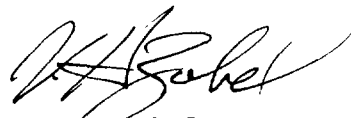
*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

4th and 5th EXPANSIONS OF MESAVERDE PARTICIPATING AREA, ROSA UNIT, SAN JUAN AND RIO ARriba COUNTIES, NEW MEXICO.

Since the last expansion of the Mesaverde participating area in the Rosa Unit, two additional wells have been completed. The #22-18 well, NE/4, Sec. 18, T-31N, R-5W, was completed in the Mesaverde formation for an initial potential of 3928 MCF/D and the #25-15 well, SW/4, Sec. 15, T-31N, R-6W, was completed in the Mesaverde formation for an initial potential of 2619 MCF/D.

An examination and comparison of the radioactivity logs of the two subject wells with the logs of the other wells in the Rosa Unit, shows that the wells are completed in the same reservoir (Mesaverde). The #22-18 and #25-15 wells are also on the same geologic structure, a northeast-dipping monocline, as the rest of the wells in the Unit.

In view of the above mentioned considerations, the W/2 of Sec. 15, T-31N, R-6W, Rio Arriba and San Juan Counties, New Mexico, and all of partial Sec. 18, T-31N, R-5W, Rio Arriba County, New Mexico, are geologically recommended for inclusion in the Mesaverde participating area of the Rosa Unit.



V. H. Zabel, Manager
Geological Department

file

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 26, 1957

C
O
P
Y

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

Attention: Mr. R. N. Richey

file 133

Re: Rosa Unit
San Juan and Rio Arriba Counties,
New Mexico
1957 Supplemental Plan of Development

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved your Supplemental Plan of Development for calendar year 1957, dated June 13, 1957, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the Plan is returned herewith.

Very truly yours,

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

ALP/DSN/ir

cc: U. S. G. S. - Roswell, New Mexico
Commissioner of Public Lands - Santa Fe, New Mexico

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

June 13, 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

Re: Rosa Unit
Supplement to 1957
Plan of Development
Mesaverde Formation

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

Gentlemen:

Pacific Northwest Pipeline Corporation, Operator of the Rosa Unit, has determined that the following three additional Mesaverde Wells should be drilled during 1957, and hereby supplements the presently approved Plan of Development for the Mesaverde formation in the Rosa Unit by adding the following wells:

- (1) NE/4 Section 32, Township 31 North, Range 5 West.
- (2) NE/4 Section 32, Township 32 North, Range 6 West.
- (3) SW/4 Section 15, Township 31 North, Range 6 West.

Pacific Northwest Pipeline Corporation and El Paso Natural Gas Company, the majority Working Interest Owners in the Mesaverde participating area of the subject Unit, have concurred in these additions to the 1957 Plan of Development.

In the absence of specific objection to this supplemental plan, Pacific will proceed with the original and supplemental drilling program during the year 1957.

Copies of this letter are being sent to all Working Interest Owners in the subject Unit.

Approved..... AUG 27 195719.....

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Secretary-Director

R. N. Richey, Manager
Land Department

NEW MEXICO OIL CONSERVATION COMMISSION

RNR:CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

August 21, 1957

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

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

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

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

Re: Application for Approval of Fourth
and Fifth Expansions of the Mesa-
verde Participating Area for the
Rosa Unit.
San Juan and Rio Arriba Counties
New Mexico

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, approved by the Director of the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commissioner of the State of New Mexico, affecting lands in the Rosa Unit Area in San Juan and Rio Arriba Counties, New Mexico, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby submits for your approval a selection of lands to constitute the Fourth and Fifth Expansions of the Participating Area for the Mesaverde zone.

The lands to be included in the Fourth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on June 12, 1957, of Rosa Unit Well # 22-18 located in the NE/4 of Section 18, Township 31 North, Range 5 West. This well was completed in the Mesaverde zone from 5530' to 5848' for an initial potential of 3016 MCFGPD through 3/4" choke on tubing. Shut-in tubing pressure was 1158#, and shut-in casing pressure 1257#. By the completion of Well # 22-18 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved productive and should be included in the Fourth Expansion of the Mesaverde Participating Area, effective as of July 1, 1957:

Township 31 North, Range 5 West
Section 18: All

Acres
463.72

Total Acres

463.72

The lands to be included in the Fifth Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on July 2, 1957, of Rosa Unit Well # 25-15, located in the SW/4 of Section 15, Township 31 North, Range 6 West. This well was completed in the Mesaverde zone from 5234' to 5560' for an initial potential of 2583 MCFGPD through 3/4" choke on tubing. Shut-in tubing pressure was 1200#, and shut-in casing pressure 1212#. By the completion of Well #25-15 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved

Page 2
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
August 21, 1957

productive and should be included in the Fifth Expansion of the Mesaverde Participating Area, effective as of August 1, 1957:

<u>Township 31 North, Range 6 West</u>	<u>Acres</u>
Section 15: W/2	<u>320.00</u>
Total Acres	320.00

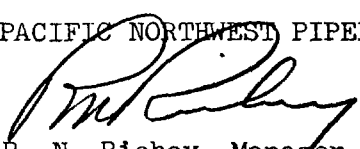
In support of the applicant's recommendations for the Fourth and Fifth Expansions to the Mesaverde Participating Area for the Rosa Unit, the applicant attaches hereto and makes a part hereof the following items:

- (1) A map of the Rosa Unit indicating the present Participating Area and the proposed Fourth and Fifth Expansions of the Participating Area for the Mesaverde zone.
- (2) Schedules marked Exhibit "B" showing the leases included in the proposed participating areas and setting forth a percentage of unitized substances to be allocated to each unitized tract within the proposed participating area.
- (3) A brief geological and engineering report marked Exhibit "C" discussing the general area of the proposed Fourth and Fifth Expansions in the participating area for the Mesaverde zone.

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, respectfully requests that the Director, the Commissioner and the Oil Conservation Commission approve the selection of lands to constitute the Fourth and Fifth Expansions of the Mesaverde Participating Area for the Rosa Unit to be effective as of July 1, 1957 and August 1, 1957, respectively.

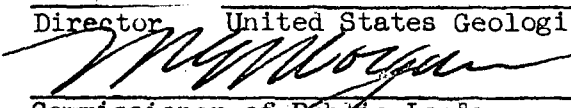
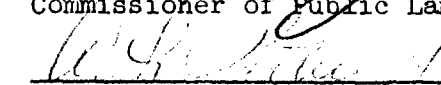
Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

RNR:CVD:jc

Enc.

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

Commissioner of Public Lands
DATE: September 3, 1957

Oil Conservation Commission
DATE: AUG 21 1957

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

T
31
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R. 6 W.

R. 4 W.

R. 5 W.

R. 6 W.

R. 4 W.

R. 5 W.

Present Mesaverde Participating Area

Proposed Third Expansion of Mesaverde Participating Area (Filed for approval 4-18-57)

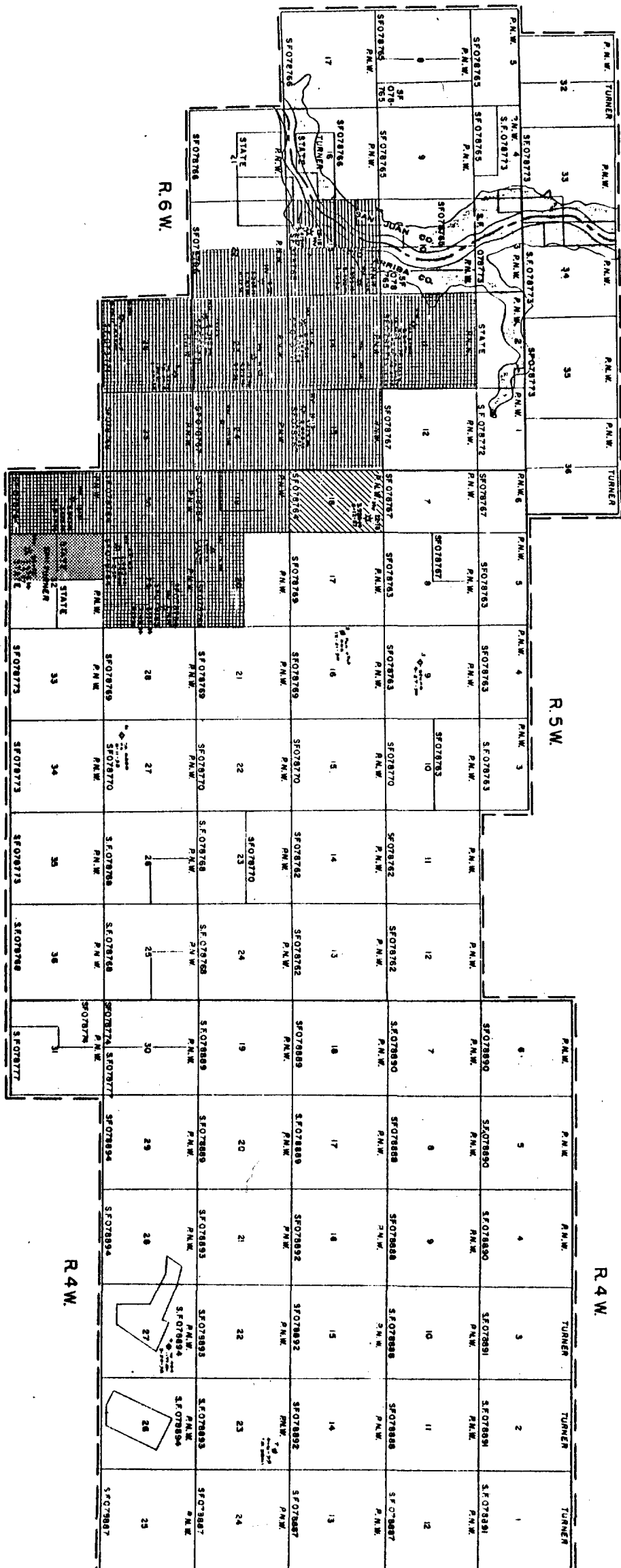
Proposed Fourth Expansion of Mesaverde Participating Area

Proposed Fifth Expansion of Mesaverde Participating Area

ROSA UNIT

SAN JUAN 8 RIO ARriba COUNTIES, NEW MEXICO

Scale: 1"=4000'



T
31
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EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Handwritten: 7/5/1994

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 6 W								
Sec. 11: All	2560.00	SF 078771	12.5%	4.014453 %	Pipeline 87.5%	28.101163 %	32.115616 %	XXXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T 31 N, R 6 W								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.704887 %	87.5%	11.934213 %	13.639100 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
T 31 N, R 6 W								
Sec. 15: E/2	320.00	SF 078765	12.5%	.501807 %	87.5%	3.512645 %	4.014452 %	XXXIII
T 31 N, R 6 W								
Sec. 22: E/2 Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	864.48	SF 078766	12.5%	1.355631 %	87.5%	9.489411 %	10.845042 %	XXXIX
T 31 N, R 5 W								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.702824 %	87.5%	18.919768 %	21.622592 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.								
T 31 N, R 5 W								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.250903 %	87.5%	1.756323 %	2.007226 %	XXI
T 31 N, R 5 W								
Sec. 20: SW/4 Sec. 29: NW/4	320.00	FEE	12.5%	.501806 %	87.5%	3.512646 %	4.014452 %	XX
T 31 N, R 5 W								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.238703 %	87.5%	1.670922 %	1.909625 %	XIX

EXHIBIT "B"
 SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVIERDE
 FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 5 W</u> Section 32: NW/4	160.00		12.5%	.250903 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	0.878161 % 0.878162 %	2.007226 %	XXV
<u>T 31 N, R 5 W</u> Sec. 32: SW/4	160.00	E-347	12.5%	.250903 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	0.878162 %	2.007226 %	XXVII
<u>T 31 N, R 5 W</u> Section 18: All	463.72	SF 078764	12.5%	.727180 %	Pacific North- west Pipeline Corporation 87.5 %	5.090263 %	5.817443 %	XVIII
TOTALS	7,971.20			12.500000 %		87.500000 %	100.000000 %	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVARDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

4/5/8
mm

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 6 W								
Sec. 11: All	2560.00	SF 078771	12.5%	3.859514 %	Pacific NW Pipeline 87.5%	27.016595 %	30.876109 %	XXVII
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T 31 N, R 6 W								
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.639087 %	87.5%	11.473611 %	13.112698 %	XIV
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.								
T 31 N, R 6 W								
Sec. 15: E/2	320.00	SF 078765	12.5%	.482439 %	87.5%	3.377075 %	3.859514 %	XXXIII
T 31 N, R 6 W								
Sec. 22: E/2 W/2, W/2 E/2 Lots 1,2,3,4	864.48	SF 078766	12.5%	1.303310 %	87.5%	9.123167 %	10.426477 %	XXII
T 31 N, R 5 W								
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.598508 %	87.5%	18.189556 %	20.788064 %	XVIII
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.								
T 31 N, R 5 W								
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.241220 %	87.5%	1.688537 %	1.929757 %	XXI
T 31 N, R 5 W								
Sec. 20: SW/4	320.00	FEE	12.5%	.482439 %	87.5%	3.377075 %	3.859514 %	XX
Sec. 29: NW/4								
T 31 N, R 5 W								
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.229490 %	87.5%	1.606432 %	1.835922 %	XIX

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVARDE
FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

*8/15/28
mm*

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
T 31 N, R 5 W Section 32:	NW/4	160.00	12.5%	.241220 %	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.844268 % 0.844269 %	1.929757 %	XXV
T 31 N R 5 W Section 32:	SW/4	160.00	E-347 12.5%	.241220 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	0.844268 % 0.844268 %	1.929756 %	XXVII
T 31 N, R 5 W Section 18:	All	463.72	SF 078764 12.5 %	.699115 %	Pacific North- west Pipeline Corporation 87.5 %	4.893803 %	5.592918 %	XVIII
T 31 N, R 6 W Section 15:	Lots 1 and 2, E/2 SW/4	118.97	SF 078765 12.5%	.179362 %	Pacific North- west Pipeline Corporation 87.5 %	1.255533 %	1.434895 %	XXXIII
T 31 N, R 6 W Section 15:	Tract #38	112.62	Fee 12.5%	.169788 %	Pacific North- west Pipeline Corporation 87.5%	1.188520 %	1.358308 %	XXXVI
T 31 N, R 6 W Section 15:	Tract #39	80.00	Fee 12.5%	.120610 %	Pacific North- west Pipeline Corporation 87.5%	.844268 %	.964878 %	XXXVIII
T 31 N, R 6 W Section 15:	8.41 acres out of S/2 S/2 SW/4 SW/4		E-289 12.5%	.012678 %	Pacific North- west Pipeline Corporation 87.5%	.088755 %	.101433 %	XLIII
TOTAL		8,291.20		12.500000 %		87.500000 %	100.000000 %	

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

4th and 5th EXPANSIONS OF MESAVERDE PARTICIPATING AREA, ROSA UNIT, SAN JUAN AND RIO ARRIBA COUNTIES, NEW MEXICO.

Since the last expansion of the Mesaverde participating area in the Rosa Unit, two additional wells have been completed. The #22-18 well, NE/4, Sec. 18, T-31N, R-5W, was completed in the Mesaverde formation for an initial potential of 3928 MCF/D and the #25-15 well, SW/4, Sec. 15, T-31N, R-6W, was completed in the Mesaverde formation for an initial potential of 2619 MCF/D.

An examination and comparison of the radioactivity logs of the two subject wells with the logs of the other wells in the Rosa Unit, shows that the wells are completed in the same reservoir (Mesaverde). The #22-18 and #25-15 wells are also on the same geologic structure, a northeast-dipping monocline, as the rest of the wells in the Unit.

In view of the above mentioned considerations, the W/2 of Sec. 15, T-31N, R-6W, Rio Arriba and San Juan Counties, New Mexico, and all of partial Sec. 18, T-31N, R-5W, Rio Arriba County, New Mexico, are geologically recommended for inclusion in the Mesaverde participating area of the Rosa Unit.



V. H. Zabel, Manager
Geological Department

PACIFIC NORTHWEST PIPELINE CORPORATION

MAIN OFFICE OCC
SALT LAKE CITY, UTAH
August 6, 1957

1957 AUG 8 AM 8:29

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

FILE

Gentlemen:

Re: Rosa Unit
Jose Manuel Lopez
San Juan and Rio Arriba Counties
New Mexico

By previous letter we have forwarded to you copies of a Consent executed by the guardian of the estate of Jose Manuel Lopez. This instrument has now been recorded in the Oil and Gas Records of San Juan and Rio Arriba Counties. The recording data is as follows:

San Juan County - recorded July 24, 1957
in Book 338 at Page 115
Rio Arriba County - recorded July 29, 1957
in Volume 31 Pages 43-44.

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

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

July 29, 1957

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: Rosa Unit-San Juan and Rio Arriba
Counties, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL
WELLS

Pursuant to the terms of the Rosa Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to this unit.

The well data is as follows:

ROSA MESAVERDE WELL #20-14

LOCATION:	1580' from North line and 1790' from East line of Section 14, T 31 N, R 6 W, N.M.P.M.
ELEVATION:	6378' (grd)
SPUD DATE:	April 1, 1957
CASING:	10 3/4" cemented at 202.67' with 160 sx 7 5/8" cemented at 3638.18' with 150 sx 5 1/2" cemented at 5870' with 150 sx
TOTAL DEPTH:	5870'
DRILLING METHODS:	Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

1957 AUG 2 PM 9:43
MAIL OFFICE CCC

Rosa Unit
July 29, 1957

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced
(water only) to Menefee intervals from
5518' to 5544' and Point Lookout intervals
from 5678' to 5760'.

TUBING: 2 3/8" hung at 5742.90'

COMPLETION TEST DATA

DATE: June 19, 1957

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-
PRESSURES: Tubing 1252#
Casing 1250#

RATE THROUGH TUBING
and 3/4" CHOKE AFTER
3 HOUR BLOW DOWN: 3835 Mcfgpd., CAOF

ROSA MESAVERDE WELL # 19-24

LOCATION: 1650' from South line and 1650' from
West line of Section 24, T 31 N,
R 6 W, N.M.P.M.

ELEVATION: 6304' (grd)

SPUD DATE: May 24, 1957

CASING: 10 3/4" cemented at 196.75' with 175 sx
7 5/8" cemented at 3570' with 50 sx
5 1/2" cemented at 5830' with 200 sx

TOTAL DEPTH: 5830'

DRILLING METHODS: Drilled with mud to 7 5/8" casing point;
drilled with gas from 7 5/8" casing point
to total depth.

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced
(water only) Point Lookout interval
from 5610' to 5734'.

TUBING: 1 1/4" hung at 5730'

Rosa Unit
July 29, 1957

COMPLETION TEST DATA

DATE: June 27, 1957

SHUT-IN-PERIOD; 8 days

FINAL SHUT-IN-
PRESSURES: Tubing 1114 #
Casing 1110 #


RATE THROUGH TUBING
AND 3/4" CHOKE AFTER
3 HOUR BLOW DOWN: 3313 MCFGPD, CAO.F.

Rosa Mesaverde Well #20-14 is located upon the drilling block described as the E/2 of Section 14, Township 31 North, Range 6 West. This drilling block was included in the initial Mesaverde Participating Area effective December 12, 1955. Rosa Mesaverde Well #19-24 is located upon the drilling block described as the W/2 of Section 24, Township 31 North, Range 6 West. This drilling block was included in the initial Mesaverde Participating Area effective December 12, 1955. Therefore, the Mesaverde Participating Area is not enlarged and the present participation is as shown on Exhibit "B" for the Third Expanded Participating Area for the Mesaverde Formation.

Copies of this letter are being sent to all Working Interest Owners within the Rosa 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

July 22, 1957

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

1957 JUL 22 10 10 AM
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: Rosa Unit Consent Copy
Jose Manuel Lopez
San Juan and Rio Arriba
Counties, New Mexico

We are enclosing for your files copies of the following Consent:

Consent to Rosa Unit, San Juan and Rio Arriba Counties,
New Mexico, executed by the guardian of the estate of
Jose Manuel Lopez.

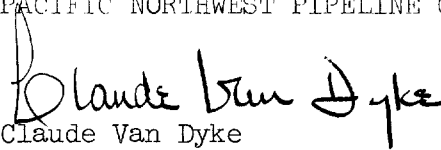
Copies of this instrument have been forwarded for recording in the Oil
and Gas Records of Rio Arriba and San Juan Counties, New Mexico. We
will by separate letter furnish you with recording data as soon as it
is available.

With this Consent Mr. Lopez's interest in Unit Tract #38 appearing in
Exhibit "B" of the Rosa Unit Agreement is committed to this Unit.

Copies of this letter are being sent to all working interest owners
within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Claude Van Dyke
District Manager, Land Department

CVD:jc

Enc.

MAIN OFFICE OCC

CONSENT

1957 JUL 24 PM 1:19

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, Rio Arriba County, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

JOSE MANUEL LOPEZ, by ALBUQUERQUE NATIONAL BANK, a corporation,

By: Raphael S. Smith
Guardian of the estate of Jose Manuel Lopez

Date: June, 1957

ATTEST:

Serge H. Jenkins
District Judge

APPROVED:

David R. Cannon
District Judge

Date:

Date:

Approved and Consented to:
PAN AMERICAN PETROLEUM CORPORATION

By:

John R. Evans
ATTORNEY-IN-FACT Vice-President
Working Interest Owner

APPROVED

[Signature]

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

By:

[Signature]
Vice-President
Working Interest Owner

Date: 7-18-57

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

By:

Allen B. Bluff
Vice-President
Unit Operator and Working Interest Owner

Date:

APPROVED
AS TO FORM
[Signature]
LEGAL DEPT

Attest for:

PAN AMERICAN PETROLEUM CORPORATION

By:

[Signature]
Assistant Secretary

Date:

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

THE STATE OF TEXAS

COUNTY OF TARRANT

BEFORE ME, a Notary Public in and for said County and State, on this day personally appeared John A. Evans, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same as the act and deed of an American Petroleum Corporation, a corporation, and as the Attorney-in-fact, and for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, THIS 18th day of July, 1957.

My Commission Expires:

6-1-59

Ada Belle Zartman
Notary Public in and for
Tarrant County, Texas

Ada Belle Zartman

ILLEGIBLE



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 6721
Roswell, New Mexico

June 25, 1957

File 23

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

Attention: Mr. R. N. Richey

Gentlemen:

Your supplemental plan of development dated June 13, 1957, for the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, have been approved on this date subject to the approval by the appropriate officials of the State of New Mexico.

One approved copy of the plan is returned herewith.

Very truly yours,

(Orig. Sgd) JOHN A. ANDERSON

JOHN A. ANDERSON
Regional Oil and Gas Supervisor

Copy to: Wash. w/copy of plan

Farmington w/copy of plan
✓ Oil Conservation Commission, Santa Fe

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

June 20, 1957

C
O
P
Y

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

Attention: Mr. R. N. Richey


Re: ~~Rosa Unit Area~~
San Juan and Rio Arriba
Counties, New Mexico

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Third Expansion of the Mesaverde Participating Area, effective March 1, 1957, for the Rosa 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.

One approved of the Expanded Participating Area is enclosed herewith.

Very truly yours,


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

ALP:DSN:ir

Enclosure

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

June 14, 1957

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

File

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

Attention: Mr. A. L. Porter, Jr.,

Gentlemen:

Re: Application for Approval of Third
Expansion Mesaverde Participating
Area, Rosa Unit, San Juan and
Rio Arriba Counties, New Mexico

On April 18, 1957, we forwarded to you an application for
Approval of the Third Expansion of the Mesaverde Participating
Area of the Rosa Unit.

approved 6/6/57
We have been contacted by the Office of the Supervisor, United
States Geological Survey in Roswell, with the request that we
send to them copies of Approval by the Commissioner of Public
Lands and the Oil Conservation Commission. Copies of Approvals
by the Commissioner of Public Lands and the Oil Conservation
Commission have to be forwarded to the Washington D. C. Office
of the United States Geological Survey before it will approve
any applications for Expansions of the Participating Areas
of the Geological Inference type Units.

We will appreciate very much your expediting the approval of
the subject application so that we may comply with this
requirement.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:jc

File 132

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

June 13, 1957

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: Rosa Unit-San Juan and Rio Arriba
Counties, New Mexico
NOTICE OF COMPLETION OF ADDITIONAL
WELLS

Pursuant to the terms of the Rosa Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to this unit.

The well data is as follows:

ROSA MESAVERDE WELL #21-23

LOCATION:	790' from South line and 1030' from West line of Section 23, T 31 N, R 6 W, N.M.P.M.
ELEVATION:	6234' (grd)
SPUD DATE:	January 25, 1957
CASING:	10 3/4" cemented at 200' with 150 sx 7 5/8" cemented at 3570' with 150 sx 5 1/2" cemented at 5725' with 150 sx
TOTAL DEPTH:	5725'
DRILLING METHODS:	Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

Rosa Unit
June 13, 1957

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced (water only) Cliff House intervals from 5250' to 5294' and Menefee intervals from 5326' to 5488' and Point Lookout intervals from 5518' to 5682'

TUBING: 2 3/8" hung at 5664.83'

COMPLETION TEST DATA

DATE: May 2, 1957

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-PRESSURES: Tubing 841#
Casing 1165#

RATE THROUGH TUBING
AND 3/4" CHOKE AFTER
3 HOUR BLOW DOWN: 2945 Mcfgpd.

ROSA MESAVERDE WELL #23-29

LOCATION: 800' from South line and 835' from West line of Section 29, T 31 N, R 5 W, N.M.P.M.

ELEVATION: 6435' (grd)

SPUD DATE: March 26, 1957

CASING: 10 3/4" cemented at 220.99' with 170 sx
7 5/8" cemented at 3722' with 150 sx
5 1/2" cemented at 5935' with 150 sx

TOTAL DEPTH: 5935'

DRILLING METHODS: Drilled with mud to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced (water only) Cliff House intervals from 5474' to 5488' and Menefee intervals from 5528' to 5644' and Point Lookout intervals from 5736' to 5824'.

TUBING: 2 3/8" hung at 5806.23'

Rosa Unit
June 13, 1957

COMPLETION TEST DATA

DATE: May 2, 1957
SHUT-IN-PERIOD: 7 days
FINAL SHUT-IN-
PRESSURES: Tubing 964#
Casing 1065#
RATE THROUGH TUBING
AND 3/4" CHOKE AFTER
3 HOUR BLOW DOWN: 2295 MCFGPD, CAOF.

Rosa Mesaverde Well #21-23 is located upon the drilling block described as the W/2 of Section 23, Township 31 North, Range 6 West. This drilling block was included in the initial Mesaverde Participating Area effective December 12, 1955. Rosa Mesaverde Well #23-29 is located upon the drilling block described as the W/2 of Section 29, Township 31 North, Range 5 West. This drilling block was included in the Second Expansion of the Mesaverde Participating Area effective September 1, 1956. Therefore, the Mesaverde Participating Area is not enlarged and the present participation is as shown on Exhibit "B" for the Third Expanded Participating Area for the Mesaverde Formation, effective March 1, 1957.

Copies of this letter are being sent to all Working Interest Owners within the Rosa 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

June 3, 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: Consent - Rosa Unit
San Juan and Rio Arriba
Counties, New Mexico

We are enclosing for your files copies of the following Consent:

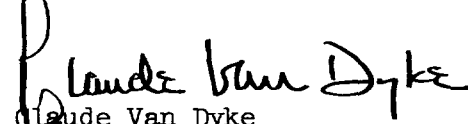
Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by W. B. Comegys and wife, Dorcas M. Comegys. This instrument was recorded in the County records of San Juan County on May 10, 1957, in Book 33, Page 36, and was also recorded in the County records of Rio Arriba County on May 28, 1957, in Book 30, Page 285.

With this Consent, the Comegys' interest in Tract No. 35 appearing in Exhibit "B" of the Unit Agreement is committed to the Rosa Unit.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke
District Manager, Land Department

CVD:mdc
Encls.

cc: All Working Interest Owners (Encl.)

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

532 Wichita National Bank Building

Wichita Falls, Texas

Date: March 9, 1957.

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

By: [Signature]
Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
By: [Signature]
Vice President
Working Interest Owner & Unit Operator

Date: _____

SIGNATURE

W. B. Comegys
W. B. Comegys

Doreas M. Comegys
Mrs. W. B. Comegys

Approved and Consented to:
~~STANOLIND OIL AND GAS COMPANY~~
PAN AMERICAN PETROLEUM CORPORATION

By: [Signature]
Vice President ATTORNEY-IN-FACT
Working Interest Owner



STATE OF Texas)
) SS
COUNTY OF Wichita)

On this 9th day of March, 1957, before me personally appeared

W. B. Comegys and wife, Dorcas M. Comegys

to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

June 1, 1958

Wm B. Thompson
Notary Public
Wichita County, Texas

Wm B. Thompson

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195__, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195__, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan &/ Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

532 Wichita National Bank Building

W. B. Comegys
W. B. Comegys

Wichita Falls, Texas

Date: March 9, 1957.

Doreen M. Comegys
Mrs. W. B. Comegys

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION
By: [Signature]
Vice President
Working Interest Owner

Approved and Consented to:
~~STANOLIND OIL AND GAS COMPANY~~
~~PAN AMERICAN PETROLEUM CORPORATION~~
By: [Signature]
~~Vice President~~ ATTORNEY-IN-FACT
Working Interest Owner

APPROVED
[Signature]

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
By: [Signature]
Vice President
Working Interest Owner & Unit Operator

Date: _____

[Signature]

STATE OF Texas)
) SS
COUNTY OF Wichita)

On this 9th day of March, 1957, before me personally appeared

W. B. Comegys and Dorcas M. Comegys

to me known to be the person s described in and who executed the foregoing instrument,
and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

June 1, 1958

William B. Thompson
Notary Public
Wichita County, Texas

William B. Thompson

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person _____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person _____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

PAN AMERICAN PETROLEUM CORPORATION

(FORMERLY STANOLIND OIL AND GAS COMPANY)

OIL AND GAS BUILDING

FORT WORTH, TEXAS

E. V. HEWITT
DIVISION PRODUCTION SUPERINTENDENT

May 31, 1957

File: KJB-4561-416

Subject: Gallegos Canyon Unit
San Juan County, New Mexico
Pictured Cliffs Participating Area

The Oil and Gas Supervisor (6)
United States Geological Survey
Roswell, New Mexico

Commissioner of Public Lands (3)
State of New Mexico
Santa Fe, New Mexico

Oil Conservation Commission (3)
State of New Mexico
Santa Fe, New Mexico

All Working Interest Owners
Gallegos Canyon Unit
(See Attached Addressee List)

Gentlemen:

By our letter of April 10, 1957, File: KJB-4272-416, we requested you to correct your records to show that the Pictured Cliffs Participating Area for the Gallegos Canyon Unit consists of 27,377.46 acres as reflected on Exhibit "B" attached to our Application for Approval of the Fourth Enlargement of Pictured Cliffs Participating Area dated March 9, 1956, effective as of April 1, 1956.

We were advised by the United States Geological Survey by letter dated May 22, 1957 that Applications for Participating Areas should show and include all acreage reasonably proved productive in paying quantities regardless of commitment, with the commitment status to be reflected in the allocation schedule.

Accordingly will you please disregard our April 10, 1957 letter. The total acreage in the participating area is 27,794.68 acres as shown at the bottom of the first page of our letter of December 11, 1956, File: RGH-4637-416, pertaining to the Plan of Development for the calendar year 1957; and the committed acreage in the participating area is 27,377.46 acres as shown on Exhibit "B" for the fourth enlargement.

Yours very truly,

E. V. Hewitt

FAM:lj

MAILING LIST OF WORKING INTEREST OWNERS
GALLEGOS CANYON UNIT AREA
SAN JUAN COUNTY, NEW MEXICO

*Aztec Oil and Gas Company
920 Mercantile Securities Building
Dallas 1, Texas

Benson and Montin
1501 Republic Building
Oklahoma City, Oklahoma

Mary Roberts Berry
208 E. Washington Street
Washington, Iowa

*Brookhaven Oil Company
P. O. Box 396
Scottsdale, Arizona

Carroll and Cornell
Albuquerque Associated Oil Company
824 Simms Building
Albuquerque, New Mexico

*E. H. Colby
45 Woodstock
Crystal Lake, Illinois

Thelma Gapen
3601 W. Lincoln Avenue
Sacramento, California

B. H. and Dyvena Crawford
Bloomfield, New Mexico

*George J. Darneille
3251 Cold Water Canyon
North Hollywood, California

Billie Dunlap Day
302 W. Third Street
Roswell, New Mexico

* Devonian Gas and Oil Company
1406 Keystone Building
324 Fourth Avenue
Pittsburg 22, Pennsylvania

Phillip Gates
802 N. LaBrea Avenue
Englewood, California

Ernest A. Hanson
P. O. Box 852
Roswell, New Mexico

John W. Hjertstedt
P. O. Box 326
Grand Central Station
New York, New York

*L. B. Hodges
P. O. Box 671
Roswell, New Mexico

*Edward J. Johnson
223 Greenbank Avenue
Piedmont, 10, California

*L. M. Johnson
Box 594
Greensboro, North Carolina

*Elma R. Jones
764 Twentieth Avenue
San Francisco, California

Nathan Kessler
5900 States Drive
Oakland, California

George H. Krause, et al
P. O. Box 1107
Colorado Springs, Colorado

Charles and Eunice McDonald
3130 W. Pierce
Phoenix, Arizona

Otto Schindler
Box 449
Schenectady, New York

*Pauline S. McNaughton
1423 Madison Street
Oakland, California

Skelly Oil Company
Tulsa 2, Oklahoma
Attention: Mr. T. F. Thompson

*New Mexico Natural Gas Company
918 Simms Building
Albuquerque, New Mexico
Attention: Clinton C. Seymour, Pres.

*Glenn J. Smith
First National Building
Tulsa, Oklahoma

*Southern Union Gas Company
Burt Building
Dallas, Texas
Attention: D. W. Whitlow

Nilaco Company
1107 Mercantile Securities Building
Dallas 1, Texas

M. H. and Eula Stark
Route 3
Farmington, New Mexico

Pacific Northwest Pipeline Corporation
P. O. Box 1526
Salt Lake City 10, Utah
Attention: Mr. Doanld L. Anderson

Summit Oil Company
Burt Building
Dallas, Texas

*Petro-Atlas Corporation
First National Bldg.
Tulsa 3, Oklahoma

*Sunray Mid-Continent Oil Company
P. O. Box 2039
Tulsa, Oklahoma
Attention: Mr. J. H. Douma

Paul T. Purcell
Box 317
Manhattan Beach, California

Arthur W. Sunter
2210 Tenth Street
Berkeley, California

Bertha Rahn and Frieda Rahn
1775 Cullom Avenue
Chicago 13, Illinois

*The Texas Company
Box 1720
Fort Worth 1, Texas
Attention: Mr. E. W. Lewis

John J. Redfern, Jr.
Box 1747
Midland, Texas

*Texas Pacific Coal and Oil Company
P. O. Box 2110
Fort Worth, 1, Texas

H. K. Riddle
Box 129
Payette, Idaho

John H. Trigg
P. O. Box 5629
Roswell, New Mexico

Robb Woods
501 W. Grand River Street
Clinton, Missouri

* Members of Pictured Cliffs
Participating Area

May 1, 1957

In reply refer to:
Unit Division

File 133

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

Re: Application for Approval
of Third Expansion of the
Mesaverde Participating Area
for the Rosa Unit,
San Juan and Rio Arriba Counties,
New Mexico

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

Gentlemen:

We are enclosing one copy of the above designated document, which was approved by the Commissioner of Public Lands May 1, 1957.

Very truly yours,

MURRAY E. MORGAN
Commissioner of Public Lands

By: Ted Bilberry, Supervisor
Oil and Gas Department

MEM:MMR/m
enc: 1

cc: OSG-Santa Fe
USGS-Roswell

PACIFIC NORTHWEST PIPELINE CORPORATION

100 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: Consent - Rosa Unit
San Juan and Rio Arriba
Counties, New Mexico

We are enclosing for your files copies of the following Consent:

Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by an officer of the Brookhaven Oil Company and the Dacresa Corporation. This instrument was recorded in the County records of San Juan County on April 15, 1957, in Book 328, Page 55, and also was recorded in the County records of Rio Arriba County on April 25, 1957, in Book 30, Pages 184 and 185.

With this Consent, their interest in Tract XX appearing in Exhibit "B" is committed to the Rosa Unit.

Copies of this letter are being sent to all working interest owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:mdc
Encls.

cc: All Working Interest Owners (Encl.)

File 133

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan and Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. ~~For the above consideration each of the undersigned hereby agrees that its share in the land within the unit is up to the date of the execution of this consent described as follows:~~

An undivided interest in and to all of the oil, gas, and other minerals and mineral substances in and under, and that may be produced from the following described land situated in San Juan and Rio Arriba Counties, State of New Mexico, to wit:

Tract No. 12 in Sections 15 and 16, Township 11 North, Range 6 East, N.M.P.M. (formerly patented as the Southwest Quarter of the Northwest Quarter (SE/4 NE/4) and the South Half of the Northeast Quarter (S/2 NE/4) and the Northeast Quarter of the Northeast Quarter (NE/4 NE/4) of Section 16, Township 11 North, Range 6 West, N.M.P.M.) and containing 160 acres, more or less.

BRIDGEVIEW OIL COMPANY - an undivided 7/16 interest
DACRESA CORPORATION - an undivided 13/16 interest

Secretary
P. O. Box 396, Scottsdale, Arizona

Date: February 4, 1957

President

ATTEST: Margaret A. Self
Asst. Secretary
P. O. Box 396, Scottsdale, Arizona

Date: February 4, 1957

DACRESA CORPORATION

President

Date:

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

By: [Signature]
Vice President
Working Interest Owner

Date:

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

By: [Signature]
Vice President
Working Interest Owner & Unit Operator

Date: April 10, 1957

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY
PAN AMERICAN PETROLEUM CORPORATION

By: [Signature]
Vice President
Working Interest Owner

APPROVED

APPROVED
AS TO FORM
LEGAL DEPT

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF ARIZONA

33.

COUNTY OF MARICOPA

On this 6th day of February, A.D. One Thousand Nine Hundred and Fifty-seven, before me personally appeared Thos. B. Scott, Jr., to me personally known who being by me duly sworn, did say that he is the President of Breckhaven Oil Company and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said Thos. B. Scott, Jr. acknowledged said instrument to be free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this, the day and year last above written.

Laura L. Knight
Notary Public

My Commission expires March 19, 1960.

STATE OF ARIZONA

33.

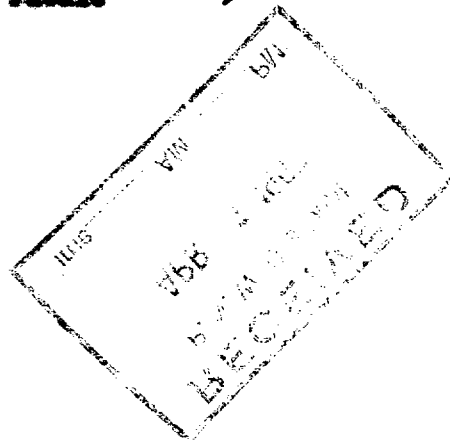
COUNTY OF MARICOPA

On this 6th day of February, A.D. One Thousand Nine Hundred and Fifty-seven, before me personally appeared Thomas B. Scott, Jr., to me personally known who being by me duly sworn, did say that he is the President of Bessera Corporation and that the seal affixed to said instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said Thomas B. Scott, Jr. acknowledged said instrument to be free act and deed of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal on this, the day and year last above written.

Laura L. Knight
Notary Public

My Commission expires March 19, 1960.



PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 18, 1957

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

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

File 133

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

Re: Application for Approval of Third
Expansion of the Mesaverde
Participating Area for the Rosa Unit
San Juan and Rio Arriba Counties,
New Mexico

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

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, approved by the Director of the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commissioner of the State of New Mexico, affecting lands in the Rosa Unit Area in San Juan and Rio Arriba Counties, New Mexico, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby submits for your approval a selection of lands to constitute the Third Expansion of the Participating Area for the Mesaverde zone.

The lands to be included in the Third Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on February 8, 1957, of Rosa Unit Well #24-32, located in the SW/4 of Section 32, Township 31 North, Range 5 West. This well was completed in the Mesaverde zone from 5510' to 5874' for an initial potential of 2356 MCFGPD through 3/4" choke on tubing and with a calculated absolute open flow of 2633 MCFGPD. Shut-in tubing pressure was 1152#, and shut-in casing pressure 1195#. By the completion of Well #24-32 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved productive and should be included in the Third Expansion of the Mesaverde Participating Area, effective as of March 1, 1957:

<u>Township 31 North, Range 5 West</u>	<u>Acres</u>
<u>Section 32: W/2</u>	<u>320.00</u>
Total Acres	320.00

In support of the applicant's recommendations for the Third Expansion to the Mesaverde Participating Area for the Rosa Unit, the applicant attaches hereto and makes a part hereof the following items:


Page 2
United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
April 18, 1957

- (1) A map of the Rosa Unit indicating the present Participating Area and the proposed Third Expansion of the Participating Area for the Mesaverde zone.
- (2) A schedule marked Exhibit "B" showing the leases included in the proposed participating area and setting forth a percentage of unitized substances to be allocated to each unitized tract within the proposed participating area.
- (3) A brief geological and engineering report marked Exhibit "C" discussing the general area of the proposed Third Expansion in the participating area for the Mesaverde zone.

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, respectfully requests that the Director, the Commissioner and the Oil Conservation Commission approve the selection of lands to constitute the Third Expansion of the Mesaverde Participating Area for the Rosa Unit to be effective as of March 1, 1957.

Very truly yours,

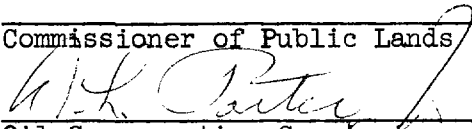
PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

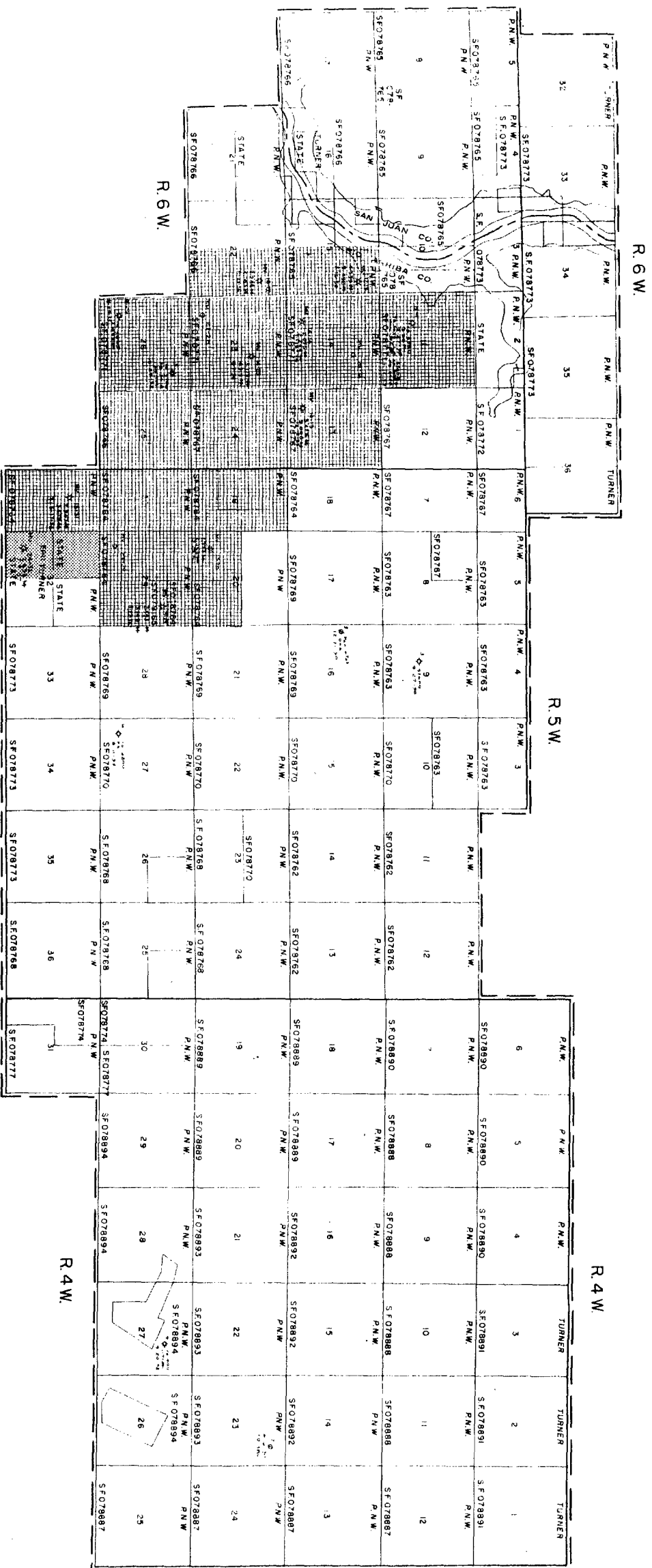
RNR:CVD:mdc
Enclosures

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

Commissioner of Public Lands


Oil Conservation Commission

DATE: _____
DATE: June 20, 1957



ROSA UNIT

Present Mesaverde Participating Area

Proposed Third Expansion of Mesaverde Participating Area

EXHIBIT "B"
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVARDE
THIRD EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation
T 31 N, R 6 W							
Sec. 11: All	2560.00	SF 078771	12.5%	4.262416%	Pipeline 87.5%	29.836909%	34.099325%
Sec. 14: All							
Sec. 23: All							
Sec. 26: All							
T 31 N, R 6 W							
Sec. 13: W/2, W/2 E/2 Lots 1,2,3,4,	1087.20	SF 078767	12.5%	1.810195%	87.5%	12.671362	14.481557%
Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.							
T 31 N, R 6 W							
Sec. 15: E/2	320.00	SF 078765	12.5%	.532802%	87.5%	3.729614%	4.262416%
T 31 N, R 6 W							
Sec. 22: E/2	864.48	SF 078766	12.5%	1.439365%	87.5%	10.075551%	11.514916%
Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4							
T 31 N, R 5 W							
Sec. 19: E/2 E/2, NW/4 NE/4, SW/4 SE/4	1723.58	SF 078764	12.5%	2.869771%	87.5%	20.088399%	22.958170%
Sec. 20: SE/4							
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4							
Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.							
T 31 N, R 5 W							
Sec. 29: S/2 NE/4 E/2 SE/4	160.00	SF 079165	12.5%	.266401%	87.5%	1.864807%	2.131208%
T 31 N, R 5 W							
Sec. 20: SW/4	320.00	FEE	12.5%	.532802%	87.5%	3.729613%	4.262415%
Sec. 29: NW/4							
T 31 N, R 5 W							
Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	152.22	FEE	12.5%	.253447%	87.5%	1.774131%	2.027578%

EXHIBIT "B"
 SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERTIDE
 THIRD EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARriba & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation
T 31 N, R 5 W Sec. 32: W/2	320.00	E-347	12.5%	.532801%	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	1.864807% 1.864807%	4.262415%
TOTALS	7,507.48			12.500000%		87.500000%	100.000000%

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

EXHIBIT "C"

Proposed Third Expansion of Mesaverde Participating Area, Rosa Unit
San Juan and Rio Arriba Counties, New Mexico

The proposed Third Expansion of the Mesaverde Participating Area in the Rosa Unit is the W/2 of Section 32, Township 31 North, Range 5 West. This half section was drilled by the El Paso-Turner, Rosa Unit No. 24 Well. This well was completed in the Mesaverde formation for an initial potential of 2,633 MCF, calculated absolute open flow. A study of the Electric and Radioactivity logs of the subject well and the other wells in the Rosa Unit has shown that the production is obtained from the same horizons. The proposed extension area is also on the same geologic structure, an east dipping monocline, as the present Rosa Unit Mesaverde Participating Area.

It is therefore geologically recommended that the W/2 Section 32, Township 31 North, Range 5 West, Rio Arriba County, New Mexico, be included in the Mesaverde Participating Area of the Rosa Unit.

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PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 1, 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

file

Gentlemen:

Re: Notice of Approval - First
and Second Expansions of
Mesaverde Participating Area
Rosa Unit I-Sec. 587
San Juan and Rio Arriba Counties,
New Mexico

This is to advise that the application for approval of First and Second Expansions of Mesaverde Participating Area for the Rosa Unit I-Sec. 587 has been approved effective June 1 and September 1, 1956, respectively, as follows:

1. Approved by the Director, United States Geological Survey, March 19, 1957.
2. Approved by the Commissioner of Public Lands January 10, 1957.
3. Approved by the Oil Conservation Commission February 28, 1957.

Copies of this letter are being sent to all working interest owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Claude Van Dyke
District Manager, Land Department

CVD:mdc

cc: Working Interest Owners
Rosa Unit

133

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 13, 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

Re: Consents - Rosa Unit
San Juan and Rio Arriba Counties,
New Mexico

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

Gentlemen:

The basic royalty of Tract XXXV - Exhibit "B" to the Rosa Unit Agreement is owned as follows:

1/16 of $12\frac{1}{2}\%$	Dee Forehand
14/96 of $12\frac{1}{2}\%$	R. E. Beamon
7/96 of $12\frac{1}{2}\%$	Alma Mae Beamon
3/512 of $12\frac{1}{2}\%$	Ralph A. Johnston
3/64 of $12\frac{1}{2}\%$	Texas National Petroleum Company
3/128 of $12\frac{1}{2}\%$	First National Bank of Fort Worth, Texas, Trustee for Eula May Johnston and Mary Louise Brown under Trust Indenture of December 20, 1955.
3/512 of $12\frac{1}{2}\%$	V. A. Johnston
3/512 of $12\frac{1}{2}\%$	Mrs. Willie Johnston
1/512 of $12\frac{1}{2}\%$	Lillie Leona Rogers
1/512 of $12\frac{1}{2}\%$	Orville Curtis Rogers
1/512 of $12\frac{1}{2}\%$	Veva Jean Gibbard
1/8 of $12\frac{1}{2}\%$	C. H. Nye
1/4 of $12\frac{1}{2}\%$	Allen M. Tonkin and Nancy P. Tonkin, Joint Tenants
1/4 of $12\frac{1}{2}\%$	W. B. Comegys

I am enclosing for your files copies of the Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by C. H. Nye and Linda Nye. This instrument was recorded in the County records of San Juan County, New Mexico, on February 18, 1957, in Book 321, Page 86, and also recorded in the County records of Rio Arriba County, New Mexico, on March 5, 1957, in Volume 29-0, Page 999. This commits their interest in Tract XXXV appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which they have an interest.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Donald L. Anderson
Donald L. Anderson
District Manager, Land Department

DLA:mdc
Encls.

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the ~~San Juan~~ Rosa Unit Area, San Juan ~~Rio Arriba~~ County, ^sNew Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

108 N. Orchard Ave.

Farmington, New Mexico

Date: January 7, 1957

Date:

Date:

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

By: [Signature]
Vice President
Working Interest Owner

Date:

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

By: [Signature]
Vice President
Working Interest Owner & Unit Operator

Date:

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY

By: [Signature]
Vice President
Working Interest Owner

APPROVED

[Signature]

APPROVED
AS TO FORM

[Signature]
LEGAL DEPT

STATE OF New Mexico)
)
COUNTY OF San Juan) SS

On this 7th day of January, 1957, before me personally appeared
C. H. Nye and Linda Nye, his wife,

to me known to be the persons described in and who executed the foregoing instrument,
and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:
November 9th, 1960

[Signature]
Notary Public

STATE OF)
)
COUNTY OF) SS

On this day of , 195, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument,
and acknowledged that executed the same as free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
)
COUNTY OF) SS

On this day of , 195, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument,
and acknowledged that executed the same as free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

133

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: Rosa Unit - San Juan and
Rio Arriba Counties, New Mexico
1957 Plan of Development

This is to advise that the 1957 Plan of Development for the Rosa Unit has been approved as follows:

1. Supervisor, United States Geological Survey, February 4, 1957.
2. Commissioner of Public Lands, State of New Mexico, January 8, 1957.
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 Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Donald L. Anderson

Donald L. Anderson
District Manager, Land Department

DIA:mdc

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

133

February 28, 1957

C
O
P
Y

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

Attention: Mr. R. M. Richey

Re: Rosa Unit Area
San Juan and Rio Arriba
Counties, New Mexico
1957 Plan of Development

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the 1957 Plan of Development for the above-captioned unit area, dated December 27, 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

DSN/
ALP/ir

Enclosure

bcc: U. S. G. S. - Roswell
Commissioner of Public Lands - Santa Fe

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

February 26, 1957

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

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

Gentlemen:

Re: Application for Approval of
First and Second Expansions
of the Mesaverde Participating
Area for the Rosa Unit

On January 10, 1957, the Commissioner of Public Lands of the State of New Mexico advised us that he had approved the "Application for Approval of First and Second Expansions of the Mesaverde Participating Area for the Rosa Unit" and was that date forwarding them to the Oil Conservation Commission for the State of New Mexico for their approval.

If you have already approved the above-designated application and forwarded all copies to the United States Geological Survey in Roswell, New Mexico, will you please advise.

Thank you very much for your cooperation.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Donald L. Anderson
District Manager, Land Department

DLA:mdc

112
PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

February 15, 1957

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

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

file

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

Re: Consents - Rosa Unit
San Juan and Rio Arriba Counties,
New Mexico

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

Gentlemen:

The basic royalty of Tract XX - Exhibit "B" to the Rosa Unit Agreement
is owned as follows:

1/8	Manuel C. Candelaria
18/64	Dacresa Corporation
7/64	Brookhaven Oil Company
7/64	Paul H. Umbach
1/48	Dee Forehand
5/96	R. E. Beamon and Alma Mae Beamon Anderson
5/192	Texas National Petroleum Company
1/8	W. P. McDonald
1/8	Allen M. Tonkin
1/8 of 5/192	V. H. Johnston
1/4 of 5/192	Ralph A. Johnston
1/2 of 5/192	First National Bank of Fort Worth, Trustee for Eula Mae Johnston
1/24 of 5/192	Mrs. Lilly Leona Rogers
1/24 of 5/192	Orville C. Rogers
1/24 of 5/192	Mrs. Vera Jean Gibbard

I am enclosing for your files copies of the following Consents:

1. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by First National Bank of Fort Worth, Trustee for Eula May Johnston. This instrument was recorded in the County records of San Juan County, New Mexico, on January 11, 1957, in Book 317, Page 151, and also recorded in the County records of Rio Arriba County, New Mexico, on February 8, 1957, in Volume 29-A, Page 806. This commits the party's interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which the party has an interest.

Page 2

To: United States Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
February 15, 1957

2. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Orville C. Rogers. This instrument was recorded in the County records of San Juan County, New Mexico, on January 11, 1957, in Book 317, Page 150, and also recorded in the County records of Rio Arriba County on February 8, 1957, in Volume 29-A, Page 805. This commits his interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which he has an interest.
3. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by W. P. McDonald. This instrument was recorded in the County records of San Juan County, New Mexico, on January 11, 1957, in Book 317, Page 149, and also recorded in the County records of Rio Arriba County, New Mexico on February 8, 1957, in Volume 29-A, Page 804. This commits his interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which he has an interest.
4. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Mrs. Lillie Leona Rogers. This instrument was recorded in the County records of San Juan County, New Mexico, on January 11, 1957, in Book 317, Page 148, and also recorded in the County records of Rio Arriba County, New Mexico, on February 8, 1957, in Volume 29-A, Page 803. This commits her interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which she has an interest.
5. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Veva Jean Gibbard. This instrument was recorded in the County records of San Juan County, New Mexico on January 11, 1957, in Book 317, Page 147, and also recorded in the County records of Rio Arriba County, New Mexico, on February 8, 1957, in Volume 29-A, Page 802. This commits her interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which she has an interest.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Donald L. Anderson
District Manager, Land Department

DLA:mdc
Encls.

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan and Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

940 "A" Street

San Diego, California

Date: _____

W. P. McDonald

W.P. McDonald

The SW $\frac{1}{4}$ of Sec 20 and the NW $\frac{1}{4}$ of Sec. 29-31-5

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: _____

Vice President
Working Interest Owner

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY

BY: _____

Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY: _____

Vice President
Working Interest Owner & Unit Operator

DATE: Jan. 4, 1957

APPROVED
AS TO FORM
LEG. DEPT.

STATE OF Calif.)
) SS
COUNTY OF San Diego

On this 23rd day of November, 1956, before me personally appeared

Mr. W. P. McDonald

to me known to be the person described in and who executed the foregoing instrument,
and acknowledged that he executed the same as a free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

My Commission Expires April 5, 1960

Alice Mae Gregory
Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF TEXAS)
COUNTY OF DALLAS) SS

On this 16 day of NOVEMBER 1956, before me personally appeared

IRVING C. ROGERS

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

June 1, 1957

Richard C. Whitworth
Notary Public

STATE OF)
COUNTY OF) SS

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
COUNTY OF) SS

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

SAN JUAN COUNTY
ABSTRACT & TITLE COMPANY
108 North Orchard
FARMINGTON, NEW MEX.

10885

State of New Mexico,)
County of Rio Arriba,) SS.
FILED FOR RECORD
At _____, October _____, 1957.
FEB 4 - 1957
Recorded _____ A. D. 1957
in Vol. _____ Page _____
By _____

150

STATE NEW MEXICO,
County of San Juan } SS.
I hereby certify that this instrument was
filed for record on the 11 day of
Jan. 1957
at 12:00 P.M. and is
recorded in book 217 page 152
of the Records of said county.
L. L. Lusk
Probate Clerk and ex-officio Recorder.
Bonnie Lane
Deputy

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

3835 Beechwood Lane
Dallas, Texas

Date: _____

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION
BY: [Signature]
Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
BY: [Signature]
Vice President
Working Interest Owner & Unit Operator
DATE: Jan. 4, 1957

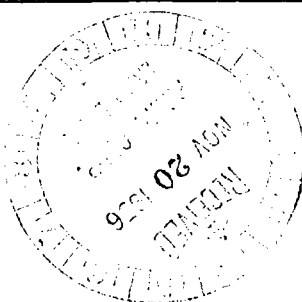
SIGNATURE

[Signature]
Orville C. Rogers

Approved and Consented to:
STANOLINE OIL AND GAS COMPANY
BY: [Signature]
Vice President
Working Interest Owner

Date: _____

APPROVED
AS TO FORM
[Signature]
LEGAL DEPT



CORPORATION ACKNOWLEDGEMENT

THE STATE OF TEXAS,
County of **TARRANT**

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared

FRED HOLLAND

, known to me to be the person and officer

whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said
The First National Bank of Fort Worth, Trustee for Eula May Johnston,
a corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein
expressed, and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the **27th** day of **November** A. D. 19 **56**.

(L. S.)

(Audna Besse)

Audna Besse

Notary Public in and for **Tarrant** County, Texas.
My commission expires June 1, 1957

844 - SAPPINGTON PRINTING CO., P. O. BOX 45, FORT WORTH 1, TEXAS

My Commission Expires:

Notary Public

STATE OF)
COUNTY OF) SS

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
COUNTY OF) SS

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & ~~Doña Ana~~ ^{Bio Arriba} Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

Fort Worth, Texas

First National Bank of Fort Worth

Trustee for Eula May Johnston

Date: NOV 20 1956

BY: [Signature]

Vice-President and Trust Officer

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: [Signature]

Vice President
Working Interest Owner

Approved and Consented to:
STANOLINE OIL AND GAS COMPANY

BY: [Signature]

Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY: [Signature]

Vice President
Working Interest Owner & Unit Operator

DATE: Jan. 4, 1957

APPROVED
AS TO FORM

LEGAL DEPT

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

c/o Mr. Orville C. Rogers
3835 Beechwood Lane, Dallas, Texas

Mrs. Lillie Leona Rogers
Mrs. Lillie Leona Rogers

Date: _____

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: J. P. Moroney
Vice President
Working Interest Owner

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY

BY: Frank L. Lusk
Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
BY: Allen B. Smith
Vice President
Working Interest Owner & Unit Operator

DATE: Jan. 4, 1957

APPROVED
AS TO FORM
286
LEGAL DEPT

STATE OF Okla)
) SS
COUNTY OF Murray)

On this 17th day of Nov., 1956, before me personally appeared

Mrs. Lillie Leona Rogers

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

May 31, 1958

Jean Jamason Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

1229 W. Tishomingo

Veva Jean Gibbard
Mrs. Veva Jean Gibbard

Sulphur, Oklahoma

Date: _____

Date: _____

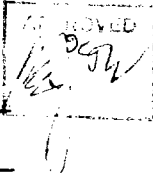
Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: *[Signature]*
Vice President
Working Interest Owner

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY

BY: *[Signature]*
Vice President
Working Interest Owner



Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY: *[Signature]*
Vice President
Working Interest Owner & Unit Operator

DATE: Jan. 4, 1957



STATE OF Okla)
) SS
COUNTY OF Murray)

On this 17th day of Nov., 1956, before me personally appeared

Veva Jean Gibbard

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

May 31, 1958

Jean Jussach Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

133

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

January 30, 1957

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

file

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: Consents - Rosa Unit
San Juan and Rio Arriba
Counties, New Mexico

I am enclosing for your files copies of the following Consents:

1. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by R. E. Beamon. This instrument was recorded in the County records of San Juan County on December 20, 1956, in Book 316, Page 174, and also recorded in the County records of Rio Arriba County on January 16, 1957, in Volume 29, Page 327. This commits his interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which he has an interest.
2. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Dee Forehand and Cecile Forehand. This instrument was recorded in the County records of San Juan County on December 27, 1956, in Book 317, Page 18, and also recorded in the County records of Rio Arriba County on January 16, 1957, in Volume 290, Page 325. This commits their interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which they have an interest.

Page 2.

To: U. S. Geological Survey
Commissioner of Public Lands
Oil Conservation Commission
January 30, 1957

3. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Ralph A. Johnston and Murrell M. Johnston. This instrument was recorded in the County records of San Juan County on December 27, 1956, in Book 317, Page 15, and also recorded in the County records of Rio Arriba County on January 16, 1957, in Volume 29, Page 328. This commits their interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which they have an interest.
4. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Mrs. Willie Johnston. This instrument was recorded in the County records of San Juan County on December 27, 1956, in Book 317, Page 16, and also recorded in the County records of Rio Arriba County on January 16, 1957, in Volume 29, Page 326. This commits her interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which she has an interest.
5. Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by Texas National Petroleum Company. This instrument was recorded in the County records of San Juan County on December 27, 1956, in Book 317, Page 17, and also recorded in the County records of Rio Arriba County on January 16, 1957, in Volume 29, Page 329. This commits their interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which they have an interest.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Donald L. Anderson
District Manager, Land Department

DLA:mdc
Encls.

STATE OF TEXAS)
) SS
COUNTY OF HOUSTON)

On this 16th. day of November , 195 6 , before me personally appeared

Dee Forehand and wife, Cecile Forehand

to me known to be the persons described in and who executed the foregoing instrument,
and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

June 1, 1957

Willie Jensen (Willie Jensen)
Notary Public in and for
Houston County, Texas

STATE OF)
) SS
COUNTY OF)

On this ____ day of ____ , 195____, before me personally appeared

to me known to be the person ____ described in and who executed the foregoing instrument,
and acknowledged that ____ executed the same as ____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this ____ day of ____ , 195____, before me personally appeared

to me known to be the person ____ described in and who executed the foregoing instrument,
and acknowledged that ____ executed the same as ____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

Post Office Box 49
Crockett, Texas

Date: 11-16-56

Date: _____

Date: _____
Approved and Consented to:
COLORADO OIL AND GAS CORPORATION
BY: [Signature]
Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
BY: [Signature]
Vice President
Working Interest Owner & Unit Operator
DATE: _____

SIGNATURE

[Signature]
Dee Forehand

[Signature]
Cecile Forehand

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY
BY: [Signature] APPROVED
11/16/56
Vice President
Working Interest Owner

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, San Juan County, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

SIGNATURE

902 South Coast Life Bldg.

Houston, Texas

Date: Nov. 15, 1956

TEXAS NATIONAL PETROLEUM CO.

BY: [Signature]

President

ATTEST [Signature]
Secretary

Date:

Date:

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: [Signature]

Vice President
Working Interest Owner

Date:

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY: [Signature]

Vice President
Working Interest Owner & Unit Operator

DATE:

Approved and Consented to:
STANOLINE OIL AND GAS COMPANY

BY: [Signature]

Vice President
Working Interest Owner

Date:

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person____ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF TEXAS)
COUNTY OF HARRIS)

On this 15th day of November, 1956, before me appeared L. C. Oldham, Jr., to me personally known, who, being by me duly sworn, did say that he is Vice-President of Texas National Petroleum Co., a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said L. C. Oldham, Jr. acknowledged said instrument to be the free act and deed of said corporation.

My Commission Expires: June 1, 1957

Rosemary Scott
Notary Public

STATE OF _____)
COUNTY OF _____)

ROSEMARY SCOTT
Notary Public, Harris County, Texas

On this _____ day of _____, 19____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is _____ President of _____, a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said _____ acknowledged said instrument to be the free act and deed of said corporation.

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 19____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is _____ President of _____, a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said _____ acknowledged said instrument to be the free act and deed of said corporation.

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____)

On this _____ day of _____, 19____, before me appeared _____, to me personally known, who, being by me duly sworn, did say that he is _____ President of _____, a corporation, and that the seal affixed to said instrument is the corporation seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and that said _____ acknowledged said instrument to be the free act and deed of said corporation.

My Commission Expires: _____

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & ~~County~~ ^{Rio Arriba Counties}, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

311 Grandview Avenue

Clarksville, Arkansas

Date: _____

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: [Signature]
Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY: [Signature]
Vice President
Working Interest Owner & Unit Operator

DATE: _____

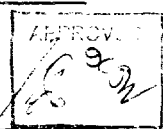
SIGNATURE

[Signature]
Mrs. Willie Johnston

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY

BY: [Signature]
Vice President
Working Interest Owner

[Signature]



STATE OF Arkansas)
COUNTY OF Johnson) SS

On this 2 day of August, 1956, before me personally appeared

Mrs. Nellie Johnston

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

2/6/58

Wiley J. Dean
Notary Public

STATE OF)
COUNTY OF)

On this _____ day of _____, 195__, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
COUNTY OF)

On this _____ day of _____, 195__, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

1010 South Coast Life Bldg.

Houston, Texas

Date:

Date:

Date:

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: [Signature]
Vice President
Working Interest Owner

Date:

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY: [Signature]
Vice President
Working Interest Owner & Unit Operator

DATE:

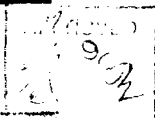
SIGNATURE

[Signature]
Ralph A. Johnston

[Signature]
Murrell M. Johnston

Approved and Consented to:
STANOLINE OIL AND GAS COMPANY

BY: [Signature]
Vice President
Working Interest Owner



STATE OF Ark)
) SS
COUNTY OF Franklin)

On this 14th day of Nov, 1952, before me personally appeared

William H. Houston & Marshall H. Houston

to me known to be the person, described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

9-1-57

James H. Anderson
Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person _____ described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person _____ described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & Rio Arriba Counties, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS
1303
346 Esperson Bldg.
Houston, Texas

Date: November 12, 1956

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION
BY: [Signature]
Vice President
Working Interest Owner

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION
BY: [Signature]
Vice President
Working Interest Owner & Unit Operator

DATE: December 17, 1956

SIGNATURE
[Signature]
R. E. Beamon

Approved and Consented to:
STANOLIND OIL AND GAS COMPANY
BY: [Signature]
Vice President
Working Interest Owner

APPROVED
AS TO FORM
[Signature]
LEGAL DEPT

STATE OF TEXAS)
) SS
COUNTY OF HARRIS)

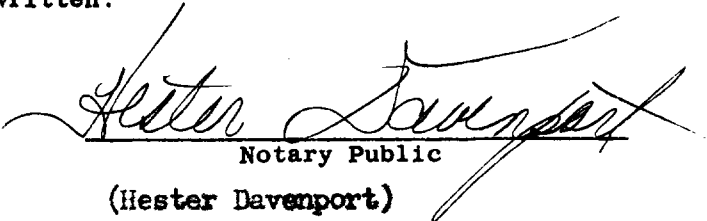
On this 12th day of November, 1956, before me personally appeared
R. E. Beamon, a single man,

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

June 1, 1957


Notary Public
(Hester Davenport)

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
) SS
COUNTY OF)

On this _____ day of _____, 195____, before me personally appeared

to me known to be the person__ described in and who executed the foregoing instrument,
and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the
day and year in this certificate above written.

My Commission Expires:

Notary Public

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

January 11, 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: Consent - Rosa Unit
San Juan and Rio Arriba
Counties, New Mexico

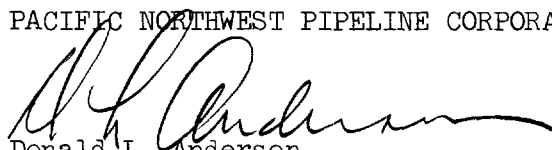
I am enclosing for your files copies of the following Consent:

Consent to the Rosa Unit, San Juan and Rio Arriba Counties, New Mexico, executed by V. A. Johnston and Mae Johnston. This instrument was recorded in the County records of San Juan County on November 29, 1956, in Book 316, Page 32, and also recorded in the County records of Rio Arriba County on December 20, 1956, in Volume 29, Page 309. This commits their interest in Tract XX appearing in Exhibit "B" to the Unit Agreement and any and all other tracts in which they have an interest.

Copies of this letter are being sent to all Working Interest Owners within the Rosa Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


Donald L. Anderson
District Manager, Land Department

DLA:mdc
Encls.

file
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CONSENT

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan & ^{Rio Arriba Counties} ~~Rio Arriba~~, New Mexico, by Pacific Northwest Pipeline Corporation in form approved by the Secretary of the Interior and the Commissioner of Public Lands of the State of New Mexico, the undersigned owners of lands or interest in lands or royalties or other interests in production of oil, gas and other hydrocarbon substances which may be produced from the land affected by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement as being applicable to said several lands and interests, agree that the term of any lease or other agreement given by the undersigned in which the undersigned claims an interest is extended or modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling and development requirements of all leases and other instruments in which their several rights and interests are created or defined shall be deemed fully performed by the performance of the provisions of said Unit Agreement, and agree that payment for unitized substances upon the basis of production allocated under said Unit Agreement to the particular lands to which their rights or interest apply, regardless of actual production therefrom, shall constitute full performance of any and all such obligations to the undersigned existing under such leases or other contracts. For the same consideration each of the undersigned warrants and agrees that the schedule attached as Exhibit "B" to said Unit Agreement correctly states his interest in the lands within the unit are as of the date of his execution of this Consent.

The terms and provisions hereof shall extend to and be binding upon the heirs, personal representatives, successors and assigns of the undersigned and each of them.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be effected and have set opposite their respective names the date of execution thereof.

ADDRESS

Ralls, Texas

SIGNATURE

V.A. Johnston
V. A. Johnston

Date: 10-22-56

Mae Johnston
Mrs. V. A. Johnston, his wife

Date: _____

Date: _____

Approved and Consented to:
COLORADO OIL AND GAS CORPORATION

BY: [Signature]
Vice President
Working Interest Owner

Approved and Consented to:
STANGLIND OIL AND GAS COMPANY

BY: [Signature]
Vice President
Working Interest Owner

APPROVED
[Signature]

Date: _____

Approved and Consented to:
PACIFIC NORTHWEST PIPELINE CORPORATION

BY: [Signature]
Vice President
Working Interest Owner & Unit Operator

DATE: November 27, 1956.

[Signature]
Ry

STATE OF Texas)
COUNTY OF Crosby) SS

On this 22nd, October, 1956, before me personally appeared

V.A. Johnston and Mae Johnston his Wife

to me known to be the person described in and who ~~executed~~ ^{their} the foregoing instrument, and acknowledged that ~~they~~ ^{he} executed the same as ~~his~~ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

June 1, 1957

Margery McReynolds
Notary Public
(MARGERY McREYNOLDS)

STATE OF)
COUNTY OF)

On this _____ day of _____, 195__, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

STATE OF)
COUNTY OF)

On this _____ day of _____, 195__, before me personally appeared

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that _____ executed the same as _____ free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written.

My Commission Expires:

Notary Public

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file

January 10, 1957

In reply refer to:
Unit Division

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

Re: Application for Approval
of First and Second Ex-
pansions of the Mesaverde
Participating Area for
the Rosa Unit

Attention: Mr. D. N. Canfield
Assistant Manager, Land Department

Gentlemen:

We are forwarding to the New Mexico Oil Con-
servation Commission five copies of the above
designated application which was approved by the
Commissioner of Public Lands, Mr. M. E. Morgan,
on January 10, 1957, subject to like approval by
the United States Geological Survey and the
New Mexico Oil Conservation Commission.

We trust you will send us an approved copy
of this at such time as complete approval is
obtained.

Very truly yours,

M. E. Morgan

MURRAY E. MORGAN
Commissioner of Public Lands

MEM:MMR/m

cc: OCC-Santa Fe
USGS-Roswell

100-10705-600

100-10705-600

December 28, 1956

In reply refer to:
Unit Division

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

Re: Rosa Unit - San Juan and
Rio Arriba Counties,
First and Second Expansions
of the Mesaverde Participating
Area

Attention: Mr. D. N. Canfield
Assistant Manager, Land Department

Gentlemen:

We are in receipt of your letter dated December 26, 1956, which states in the second paragraph that at the present time there is a well being drilled on Section 32-31N-5W.

We have examined Lease E-347 very carefully, and you have not filed an Intention to Drill on this lease which contains the entire 640 acres, and no report can we find where Section 32-31N-5W has been included in a drilling program.

Under Section 9 of the lease it is required that you notify this office as to the location of wells and file a C-101 and a C-105 with this office. Therefore, at such time as we receive this information, we will reconsider our objection to the exclusion of Sec. 32-31N-5W in your First and Second Expansions of the Mesaverde Participating Area.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

By: (Mrs.) Marian M. Rhea
Unit Supervisor

cc: OCC-Santa Fe
USGS-Roswell

December 20, 1956

In reply refer to:
Unit Division

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

Re: Application for Approval of
First and Second Expansions of
the Mesaverde Participating Area
for the Rosa Unit -
San Juan and Rio Arriba Counties,
New Mexico

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

Gentlemen:

We are in receipt of the above described application and after reviewing your Exhibits "A", "B" and "C", the Unit Division feels it necessary to have the omission of Section 32-31N-5W from this participating area passed on by our Geologist, therefore, until he has done so, the Commissioner of Public Lands will not approve this expansion of the Mesaverde Participating Area for the Rosa Unit.

Very truly yours,

E. S. WALKER
Commissioner of Public Lands

ESW:MMR/m

cc: OCC-Santa Fe
USGS-Roswell

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

February 28, 1957

C
O
P
Y

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

Attention: Mr. R. N. Richey

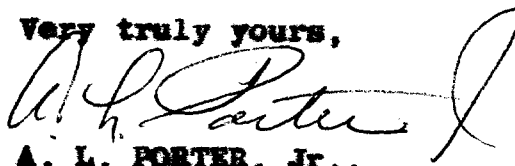
Re: Rosa Unit Area
San Juan and Rio Arriba Counties,
New Mexico; First and Second
Expansions, Mesaverde Participating
Area.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the First and Second Expansions of the Mesaverde Participating Area for the Rosa 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.

Five approved copies of the Expansions are returned herewith.

Very truly yours,


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

ALP/DSN/1r

bcc: U. S. G. S. - Roswell
Commissioner of Public Lands - Santa Fe

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 12, 1956

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

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

return to Asu

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

Re: Application for Approval of First
& Second Expansions of the Mesaverde
Participating Area for the Rosa Unit
San Juan & Rio Arriba Cos., New Mexico

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

Gentlemen:

Pursuant to the provisions of Section 10 of the Rosa Unit Agreement, approved by the Director of the United States Geological Survey, the Commissioner of Public Lands of the State of New Mexico, and the Oil Conservation Commission of the State of New Mexico, affecting lands in the Rosa Unit Area in San Juan and Rio Arriba Counties, New Mexico, Pacific Northwest Pipeline Corporation, as Unit Operator, hereby submits for your approval a selection of lands to constitute the First and Second Expansions of the Participating Area for the Mesaverde zone.

The lands to be included in the First Expansion of the Mesaverde Participating Area for the Rosa Unit were proved to be productive by the completion on May 17, 1956, of Rosa Unit Well #13-31, located in the NE/4 of Section 31, Township 31 North, Range 5 West. This well was completed in the Mesaverde zone from 5510' to 5968' for an initial potential of 2947 MCFGPD through 3/4" choke on tubing and with a calculated absolute open flow of 3675 MCFGPD. Shut-in tubing pressure was 1201 #, and shut-in casing pressure 1201 #. By the completion of Well #13-31 in commercial quantities, the Unit Operator has determined that the following described lands are reasonably proved productive and should be included in the First Expansion of the Mesaverde Participating Area, effective as of June 1, 1956:

<u>Township 31 North, Range 6 West</u>	<u>Acres</u>
Section 25: W/2	320.00
W/2 E/2	160.00
Lots 1,2,3,4	64.48
<u>Township 31 North, Range 5 West</u>	
Section 30: E/2	320.00
Lots 1,2,3,4	145.48
Section 31: E/2	320.00
Lots 1,2,3,4	<u>145.88</u>
TOTAL ACRES	1475.84

Re: Rosa Unit, San Juan &
Rio Arriba Cos., New Mexico

December 12, 1956

Subsequent to June 1, 1956, Pacific Northwest Pipeline Corporation has completed two additional wells outside of the limits of the initial participating area and the proposed First Expansion Mesaverde Participating Area. The well data on which this Second Expansion is based is as follows:

The Rosa Unit Well #12-15, located in the NE/4 of Section 15, Township 31 North, Range 6 West, was completed on August 16, 1956, in the Mesaverde interval 5290' to 5716' for an initial potential of 4339 MCFGPD through 3/4" choke on 3" tubing and with a calculated absolute open flow of 9492 MCFGPD. Shut-in tubing pressure was 1113# and shut-in casing pressure 1116#.

Well #15-29, located in the NE/4 of Section 29, Township 31 North, Range 5 West, was completed on August 27, 1956, in the Mesaverde interval 5468' to 5838' with an initial potential of 2953 MCFGPD after three hours through 3/4" choke on tubing and with calculated absolute open flow of 3149 MCFGPD. Shut-in pressure 1111#; shut-in casing pressure 1109#.

By the completion of Rosa Unit Wells #12-15 and 15-29 in commercial quantities, the Unit Operator has determined that the following described lands have been proved commercial and they have been selected to constitute the Second Expansion of the Mesaverde Participating Area for the Rosa Unit, to be effective September 1, 1956;

<u>Township 31 North, Range 5 West</u>		<u>Acres</u>
Section 19:	E/2	320.00
	Lots 1,2,3,4	144.44
Section 20:	S/2	320.00
Section 29:	All	640.00

<u>Township 31 North, Range 6 West</u>		
Section 15:	E/2	320.00
Section 22:	E/2	320.00

Total Acres 2064.44

The working interest under the leases on the above-described lands included in the First Expansion and the Second Expansion of the Mesaverde Participating Area for the Rosa Unit is vested 100% in Pacific Northwest Pipeline Corporation.

As of September 1, 1956, there has been no sales of unitized substances from the wells completed upon the Rosa Unit; however, when production from this unit's participating area is sold, royalties in the amount of 12½% will be payable on this production to the United States under the provision of the following Federal leases:

Re: Rosa Unit, San Juan &
Rio Arriba Cos., New Mexico

December 12, 1956

S. F. 078771
S. F. 078767
S. F. 078765
S. F. 078766
S. F. 078764
S. F. 079165

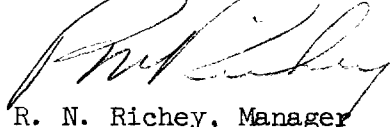
In support of the applicant's recommendations for the First and Second Expansions to the Mesaverde Participating Area for the Rosa Unit, the applicant attaches hereto and makes a part hereof the following items:

- (1) A map marked Exhibit "A" showing the Rosa Unit showing the initial, the proposed First Expansion, and the proposed Second Expansion of the Participating Area for the Mesaverde zone.
- (2) A schedule marked Exhibit "B" showing the leases included in the proposed participating area and setting forth a percentage of unitized substances to be allocated to each unitized tract within the proposed participating area.
- (3) A brief geological and engineering report marked Exhibit "C" discussing the general area of the proposed First and Second Expansions in the participating area for the Mesaverde zone.

Pacific Northwest Pipeline Corporation, as Unit Operator of the Rosa Unit, respectfully requests that the Director, the Commissioner and the Oil Conservation Commission approve the selection of lands to constitute the First Expansion of the Mesaverde Participating Area for the Rosa Unit to be effective as of June 1, 1956, and the selection of lands to constitute the Second Expansion of the Mesaverde Participating Area for the Rosa Unit to be effective as of September 1, 1956.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION


R. N. Richey, Manager
Land Department

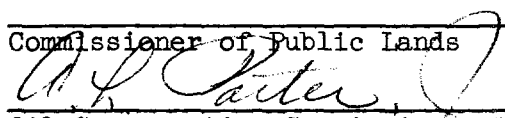
RNR:DNC:jl
Enclosures

APPROVED: _____
Supervisor, United States Geological Survey

DATE: _____

Commissioner of Public Lands

DATE: _____


Oil Conservation Commission

DATE: 2-28-57

EXHIBIT "B"

SCHEDULE OF LANDS SHOWING OWNERSHIP OF
OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE
SECOND EXPANDED PARTICIPATING AREA FOR ROSA UNIT
RIO ARriba & SAN JUAN COUNTIES, NEW MEXICO

Description Of Lands		Number Of Acres	Serial Number	Basic Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation
T-31-N - R-6-W								
Sec. 11: All		2560.00	SF 078771	12.5%	4.452186%	87.5%	31.165305%	35.617491%
Sec. 14: All								
Sec. 23: All								
Sec. 26: All								
T-31-N - R-6-W								
Sec. 13: W/2, W/2 E/2		1087.20	SF 078767	12.5%	1.890788%	87.5%	13.235515%	15.126303%
	Lots 1,2,3,4							
Sec. 24: W/2, W/2 E/2								
	Lots 1,2,3,4							
T-31-N - R-6-W								
Sec. 15: E/2		320.00	SF 078765	12.5%	.556523%	87.5%	3.895663%	4.452186%
T-31-N - R-6-W								
Sec. 22: E/2		864.48	SF 078766	12.5%	1.503448%	87.5%	10.524133%	12.027581%
Sec. 25: W/2, W/2 E/2								
	Lots 1,2,3,4							
T-31-N - R-5-W								
Sec. 19: E/2, Lots 1,2,3,4		1875.80	SF 078764	12.5%	3.262270%	87.5%	22.835890%	26.098160%
Sec. 20: SE/4								
Sec. 29: N/2 NE/4, SW/4, W/2 SE/4								
Sec. 30: E/2, Lots 1,2,3,4								
Sec. 31: E/2, Lots 1,2,3,4								
T-31-N - R-5-W								
Sec. 29: S/2 NE/4 E/2 SE/4		160.00	SF 079165	12.5%	.278262%	87.5%	1.947831%	2.226093%
T-31-N - R-5-W								
Sec. 20: SW/4		320.00	FEE	12.5%	.556523%	87.5%	3.895663%	4.452186%
Sec. 29: NW/4								
TOTALS		7,187.48			12.500000%		87.500000%	100.000000%

*The percentage of unit production allocated to the working interest owner of each tract is subject to all outstanding overriding interest of record against the subject lands.

EXHIBIT "C"

EXPANSION OF UNIT PARTICIPATING AREA IN ROSA UNIT
T-31-N, R-5 & 6-W, RIO ARriba COUNTY, NEW MEXICO
AS OF SEPTEMBER 1, 1956

The following areas are proposed as additions to the Rosa Unit Participating Area:

Township 31 North, Range 5 West
All Section 19, S/2 Section 20, All Section 29,
All Section 30, All Section 31.

Township 31 North, Range 6 West
E/2 Section 15, E/2 Section 22, All Section 25.

These tracts lie to the southeast and the west of the present Participating Area and are in line with the northwest - southeast Mesaverde production trend. Drilling since the establishment of the Initial Participating Area has proved the areas under consideration capable of commercial gas production from the Mesaverde formation.

Well No. 13-31 was drilled in the NW/4 of Section 31, T-31-N, R-5-W, and was completed May 17, 1956, in the Mesaverde for an open flow potential of 3,675 MCF. Well No. 12-15 was drilled in the NE/4 of Section 15, T-31-N, R-6-W, and was completed August 16, 1956, in the Mesaverde for an open flow potential of 9,492 MCF. Well No. 15-29 was drilled in the NE/4 of Section 29, T-31-N, R-5-W, and completed August 27, 1956, in the Mesaverde for an open flow potential of 3,149 MCF.

Correlation of electric and radioactivity logs between the above wells and the wells in the present Participating Area proves the production to be from the same sands in the Mesaverde formation over both areas. Both areas are also located on the same structural feature, a monocline which strikes northwest - southeast and dips to the northeast. Because of the above facts, it is felt that the undrilled areas lying between the producing wells are proven to be capable of commercial gas production from the Mesaverde formation and should be included in the Participating Area.

In summary, the proposed Participating Area Expansion is justified due to the facts that the areas are proved to be commercially productive from the same formation and lie on the same geologic structure.