PATTIC NORTHWEST PIPELINE COPORATION

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

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

lande blen Hyke íde Van Dyke

District Manager, Land Department

CVD:jc

All Working Interest Owners

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY. UTAH

June 6, 1958

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REPLY TO: P. O. Box 1526 Salt Lake City 10, Utah

Regional Supervisor United States Geological Survey P. 0. Box 6721 Roswell, New Mexico

Commissioner of Public Lands State of New Mexico P. 0. Box 791 Santa Fe, New Mexico

Oil Conservation Commission State of New Mexico P. 0 Box 871 Santa Fe, New Mexico

FT/2 Cerse 133

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

Copies of letter sent to the following: United States Geological Survey Farmington, New Mexico Attention: Mr. P. T. McGrath Pan American Petroleum Corporation P. 0. Box 1410 Fort Worth, Texax Attention: Mr. E. V. Hewitt P. 0. 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. 0. 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. 0. 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 CLANDA VAN RYKE

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

File133

April 23, 1958

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 Sio 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:0g

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

PACIFIC NORTHWEST PIPELINE CORPORATION

Salt Lake City, Utah

T LAKE CITY 10. UTAH

Dig January 29, 1958

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

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 Maxico

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 Fublic 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

na 111 – Le D**B**e Juliste – Al MAR

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

Total Tract Tract Participation Number	29.728725 % XXXVII	12.625418 % XIV	3.716091 % XXXXIII	10.039019 % XXXIX	20.015561 % XVIII	1.858045 % XXI	3.716091 %	1.767698 % xIX
Unit Participation	26.012634 %	% [#2740.11	3.251580 %	8.784142 %	17.513617 %	1.625789 %	3.251580 %	1.546736 %
Working Interest*	Pacific NW Pipeline 87.5\$	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%
Participation Interest*	3.716091 %	1.578177 %	% TI5494.	1.254877 %	2.501944 &	.232256 %	,464511 %	.220962 %
	12.5%	12 · 5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
Number Serial Basic Royalty Of Acres Number Royalty	SF 078771	SF 078767	SF 078765	'SF 078766	SF 078764	SF 079165	FEE	EE
Number Of Acres	2560.00	1087.20	320.00	864.48	1723.58	160.00	320.00	152.22
Description Of Lands	T 31 N, R 6 W Sec. 11: All 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, 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	<u>T 31 N, R 6 W</u> Sec. 22: E/2 Sec. 25: W/2 E/2 Lots 1,2,3,4	T 31 N, R 5 W Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4 Sec. 29: N/2 NE/4, SW/4, SW/4, Sec. 29: N/2 NE/4, SW/4, Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.	T <u>31 N, R 5 W</u> Sec. 29: S/2 NE/4 E/2 SE/4	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	T 31 N, R 5 W Sec. 19: Lots 2, 3, SW/h NE/4, NW/h SE/4

EXHIBIT "B" SCHERTIF OF LANDS SHOUTNG OUNERSHIP OF OIL & GAS INFERESTS WITHIN PROPOSED MESAVERDE

Tract Number	XIIX	IIAXX	XVIII	IIIXXX	IAXXX	XXXVII Î	IIIX
Total Tract Participation	1.858045 %	3.716091 %	5.385080 %	1.381573 %	1.307832 %	•929023 %	•097663 <i>%</i>
Unit Participation	0.812894 % 0.812895 %	1.625789 % 1.625790 %	\$ 546IIT.4	1.208876 %	1.144353 %	.812895 %	.085455 %
Working Interest*	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	El Paso Natural Gas 43.75 % J.Glenn Turner 43.75%	Pacific North- west Pipeline Corporation 87.5 名	Pacific North- west Pipeline Corporation 87.5 ≸	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5≸	Pacific North- west Pipeline Corporation 87.5%
Unit Participation	.232256 %	,464512 %	.673135 %	•172697 %	.163479 %	.116128 %	.012208 %
Basic Royalty	12.5%	12.5%	12.5 &	12.5%	12.5%	12.5%	12.5%
Serial Number		E-347	SF 078764	SF 078765	Fee	Fee	E-289
Number Of Acres	160.00	320.00	463 . 72	79.911 /4	29.211	80.00	8.41 res S/2 4 SW/4
uo	1 32: NW/4	<u>NR 5 W</u> sion 32: S/2	118: 118: 11	t 6 W n 15: Lots 1 1 E/2 SW/4	1 15: Tract #38	n 15: Tract #39	15: 8.41 acres 0ut of S/2 5/2 SW/4 SW/4
Description Of Lands	T 31 N, R 5 W Section 32:	T 31 N R Section	- 31 N, R Section	T 31 N, R 6 Section	T 31 N, R Section	¹ <u>31 N, R 6 W</u> Section 15:	T 31 N, R 6 W Section 15:

Page 2

4	Number	Serial	Basic	Unit	Working	Unit	Total Tract Tract	Tract
Of	Of Acres	Number	Royalty	Participation	Interest*	Participation	Participation Nurber	Nurber
					Pacific NW			
н с	160.00	Е 347-28	12.5%	.232256 %	Pipeline A7 54	1.625789 %	1.858045 %	XXVI
					a(··1)			
				12.500000 🖗		87.500000 \$	100.00000%	

*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.

Page 3

	Tract Number	ILVDX	ЛIX	IIIXXX	XXX	IIIAX	TXX	XX	XIX
	Total Tract Participation	30.876109 %	13.112698 🖗	3.859514 %	% L7426477	20.788064 %	1.929757 %	3.859514 %	1.835922 %
MESAVERDE 5, NEW MEXICO	Unit Participation	27.016595 %	% TI9674.11	3.377075 %	9.123167 ø	18.189556 %	1.688537 \$	3.377075 %	1.606432 %
WITHIN PROPOSED MESAVERDE SAN JUAN COUNTIES, NEW MEXICO	Working Interest*	Pacific NW Pipeline 87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5≸
ស្រុង	Unit Participation	3.859514 %	1.639087 \$.482439 ¢	1.303310 %	2.598508 %	,241220 <i>%</i>	.482439 %	.229490 %
EXHIBIT "B" RSHIP OF OIL & GAS FOR ROSA UNIT, RI	Basic Royalty	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
EXHIBIT "B" SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTEREST FIFTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA	Serial Number	SF 078771	SF 078767	SF 078765	sr 078766	SF 078764	SF 079165	FEE	33 4
SCHEDULE OF LA H EXPANDED PA	Number Of Acres	2560.00	02.7801	320.00	864 . 48	1723.58	160.00	320.00	152.22
E TET	Description Of Lands	T 31 N, R 6 W Sec. 11: All 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, 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	T 31 N, R 6 W Sec. 22: E/2 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 Sec. 20: SE/4, SW/4 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	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	T 31 N, R 5 W Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4

Description Of Lands	Number Of Acres	Serial Number	Basic Royalty	Unit Participation	1	Unit Participation	Total Tract Participation	Tract Number
<u>T 31 N, R 5 W</u> Section 32: NW/4	JQ		12.5%	% OZZI†Z.	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.844268 % 0.844269 %	1.929757 %	XXX
T 31 N R 5 W Section 32: SW/4	14 160.00	Е-347	12.5%	% 022[42.	El Paso Natural Gas 43.75 % J.Glenn Turner 43.75%	0.844268 % 0.844268 %	1.929756 %	IIVXX
T <u>31 N, R 5 W</u> Section 18: All	. 463.72	SF 078764	12.5 %	,699115 Å	Pacific North- west Pipeline Corporation 87.5 ダ	4.893803 %	5.592918 %	XVIII
T <u>31 N, R 6 W</u> Section 15: Lc ar	Lots l 118.97 and 2, E/2 SW/4	SF 078765	12.5%	.179362 &	Pacific North- west Pipeline Corporation 87.5 %	1.255533 %	1.434895 %	XXXIII
T <u>31 N, R 6 W</u> Section 15: #38	Tract 112.62 #38	ъ е е	12.5%	.169788 %	Pacific North- west Pipeline Corporation 87.5%	1.188520 %	1.358308 %	IVXXX
<u>T 31 N, R 6 W</u> Section 15: Tr #3	Tract 80.00 #39	ъ е е	12.5%	.120610 %	Pacific North- west Pipeline Corporation 87.5∦	.844268 %	.964878 %	IIIVXXX
T <u>31 N, R 6 W</u> Section 15: 8.41 cut s/2	8.41 acres cut of S/2 S/2 SW/4 SW/4	в-289	12.5%	.012678 %	Pacific North- west Pipeline Corporation 87.5%	.088755 <i>%</i>	.101433 %	XLIII
TOTAL	M. 8 201 20			12.50000 %		87 50000 %		

EXHIBIT "B"

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

*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. י כו י

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

April 15, 1958

File REPLY TO: P.O. BOX 1526 SALT LAKE CITY 10, UTAH COSE 133

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

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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,

ACUFIC NORTHWEST PIPELINE CORPORATION

) Lande bun Dyke

Claude Van Dyke District Manager, Land Department

CVD:jc

Enc.

TRACT NO. DESCRIPTION	SERIAL NO. NO. OF AND ACRES LEASE DATE	LAND OWNER PERCENTAGE OF ROYALITY	LESSEE OF OVERRI RECORD OWNER	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
1	* 1,965.72 SF 078891	c	D1777-A - F17500 +		I Clenn Thimps
Sec. 3: All	-				
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	2,505.68 SF 078889 8-1-48	U. S. A. 12.5%	Pan American Petroleum Corporation	None	Pan American Petroleum Corporation - 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

Revised March 6, 1958

Sec. 20: All

Revi	12.	11.		ç.	, ,	FEDH	TRACT NO.
lsed Ma	Sec.	Sec.	Sec.	Хессо •		FEDERAL LANDS	
Revised March 6. 1958	30: E/2 W/2, Lots 1,2,3,4 31: E/2 NW/4, Lots 1,2,3,4	30: E/2 31: E/2, E/2 SW/4	28: W/2, SE/4, W/2 NE/4 and Lots 1 and 2 29: All	26: E/2 SE/4, N/2 N/2, Lots 1,2, 3,4,5,6,7,8,9, and SW/4 NW/4 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		NDS	DESCRIPTION
	508.84	716.91		2,224.16	1,920.00		NO. OF ACRES
	SF 078774 7-1-48	SF 078777 7-1-48		8-1-48 8-1-48	SF 078893 4-1-48		SERIAL NO. AND LEASE DATE
	U. S. A. 12.5%	U. S. A. 12.5%		U.S.A.			LAND OWNER PERCENTAGE OF ROYALTY
PAGE 2	Pan American Pet r oleum Corporation	Pan American Petroleum Corporation		Pan American Petroleum Corporation	Pan American Petroleum Corporation		LESSEE OF RECORD
	None	None		None			OVERRIDING ROYALTY OWNER AND PERCENTAGE
	Pan American Petroleum Corporation - All Rights	Pan American Petroleum Corporation - All Rights		Pan American Petroleum Corporation - All Rights	HT1		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

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

PAGE 2

Revised March 6, 1958

14. Sec. 6: All Sec. 7: All Sec. 8: NW/4 Sec. 12: All (T 31 N, Sec. 13: All (T 31 N, Sec. 24: All (T 31 N,		13: Sec. 3: All Sec. 4: All Sec. 5: All Sec. 8: E/2, SW/ ¹ Sec. 10: N/2	FRDERAL LANDS T 31 N, R 5 W	TRACT NO. DESCRIPTION	-
2,518.04 R 6 W) R 6 W) R 6 W)		2,544.64		NO. OF ACRES	SCHEI
SF 078767 8-1-48		SF 078763 8-1-48		SFRIAL NO. AND LEASE DATE	DULE SHOWING I
U. S. A. 12.5%		U°SA. 12°5%		LAND OWNER PERCENTAGE OF ROYALTY	EXI SCHEDULE SHOWING THE PERCENTAGE AND IN ALL, LANDS IN THE 1
Pacific North- west Pipeline Corporation		Pacific North- west Pipeline Corporation		LESSEE OF RECORD	
None	 gʻ	None		OVERRIDING ROYALTY OWNER AND PERCENTAGE	HIBIT "B" KIND OF OWNERSHIP OF OIL AND GAS INTEREST ROSA UNIT AGREEMENT
AS TO: NW/4 Section 8 TO THE BASE OF THE FICTURED CLIFFS FORMATION Gas and Oil Rights Neville Penrose - All	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2 <u>BELOW BASE MESAVERDE FORMATION</u> All Rights Pan American Petroleum Corporation	TO THE BASE OF THE PICTURED CLIFFS FORMATION Gas and Oil Rights Neville Penrose - All FROM THE BASE OF THE PICTURED CIJFFS TO THE BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST	E4

				FEDERAL LANDS 14. (continued)	TRACT NO. DESCRIPTION	
					NO. OF ACRES	SCHI
					SERIAL NO. AND LEASE DATE	SCHEDULE SHOWING THE PERCENTAGE IN ALL LANDS IN 7
					LAND OWNER PERCENTAGE OF ROYALTY	G THE PERCENTAGE IN ALL LANDS IN
					LESSEE OF RECORD	AND THE R
					OVERRIDING ROYALITY OWNER AND PERCENTAGE	IBIT "B" KIND OF OWNERSHIP OF OIL AND GAS INTEREST OSA UNIT AGREEMENT
line Corporation - 1/2 <u>BELOW THE BASE OF THE MESAVERDE</u> FORMATION All Rights Pan American Petroleum Corporation	thwest Pipelin 1 - A 1 and Gas - 1 thwest Pipe-	NO HER	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM THE BASE OF THE PICTURED <u>CLIFFS TO THE BASE OF MESAVERDE</u> FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All **	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT PERCENTAGE OF INTEREST	ST

			Sec. 23: N/2 Sec. 27: All	25:	FEDERAL LANDS 15: Sec. 11: All Sec. 12: All Sec. 13: All Sec. 13: All Sec. 14: All	TRACT NO. DESCRIPTION	
				2,560.00	2,560.00	NO. OF ACRES	SCHE
				SF 078770 5-1-48	SF 078762 7-1-48	SERIAL NO. AND LEASE DATE	DULE SHOWING
				U. S. A. 12.5%	U. S. A. 12.5%	LAND OWNER PERCENTAGE OF ROYALTY	SCHEDULE SHOWING THE PERCENTAGE IN ALL LANDS
				Pacific North- west Pipeline	Pan American Petroleum Corporation	LESSEE OF RECORD	EXH AND IN T
				None	None	OVERRIDING ROYALITY OWNER AND PERCENTAGE	IIBIT "B" KIND OF OWNERSHIP OF OIL AND GAS INTEREST HE ROSA UNIT AGREEMENT
BELOW BASE MESAVERDE FORMATION FORMATION All Rights Pan American Petroleum Corporation	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM THE BASE OF THE PICTURED CLIFFS TO THE BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All **	TO THE BASE OF THE PICTURED CLIFFS FORMATION Gas and Oil Rights Neville Penrose - All	AS TO SECTION 10: S/2 SECTION 15: A11	Pan American Petroleum Corporation - All Rights	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT PERCENTAGE OF INTEREST	Ē

Revised March 6, 1958

PAGE 5

17. Sec. 16: All Sec. 17: All Sec. 28: All		FEDERAL LANDS 16. (continued)	TRACT NO. DESCRIPTION
2,560.00			SCHE NO. OF ACRES
SF 078769 5-1-48			DULE SHOWING SERIAL NO. AND LEASE DATE
U. S. A. 12.5%			SCHEDULE SHOWING THE PERCENTAGE IN ALL, LANDS IN ALL, LANDS SERIAL NO. LAND OWNER OF AND PERCENTAGE S LEASE DATE OF ROYALTY
Pacific North- west Pipeline Corporation			EXH AND IN J
None			HIBIT "B" KIND OF OWNERSHIP OF OII, AND GAS INTEREST "HE ROSA UNIT AGREEMENT "HE OSA UNIT AGREEMENT SEE OF OVERRIDING ROYALTY ORD OWNER AND PERCENTAGE
AS TO SECTION 16: A11 SECTION 17: A11 TO THE BASE OF THE PICTURED CLIFFS FORMATION Gas and Oil Rights Neville Penrose - 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	AS TO ALL OTHER LANDS: FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**	T WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT PERCENTAGE OF INTEREST

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					17. (continued)	FEDERAL LANDS	TRACT NO. DESCRIPTION	
							NO. OF ACRES	SCHE
							SERIAL NO. AND LEASE DATE	SCHEDULE SHOWING
							LAND OWNER PERCENTAGE OF ROYALTY	SHOWING THE PERCENTAGE IN ALL LANDS
							LESSEE OF RECORD	EXHIBIT "B" AND KIND OF IN THE ROSA
							OVERRIDING ROYALITY OWNER AND PERCENTAGE	EXHIBIT "B" AND KIND OF OWNERSHIP OF OIL AND GAS INTEREST IN THE ROSA UNIT AGREEMENT
Oil Rights Colorado Oil and Gas = 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**	AS TO ALL OTHER LANDS:	BELOW BASE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation	Oil Rights Colorado Oil and Gas = 1/2 Pacific Northwest Pipeline Corporation = 1/2	FROM THE BASE OF THE PICTURED CLIFFS TO THE BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST	ST

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21. Sec. 29: S/2 NE/4, E/2 SE/4	30: 31:	18. Sec. 18: All 2, Sec. 19: E/2 E/2, WW/4 2, NE/4, SW/4 SE/4, Lots 1, 4 Sec. 20: N/2, SE/4 Sec. 20: N/2 WF/4, W/2 SE/4	FEDERAL, LANDS	TRACT NO. DESCRIPTION	
160.00	4 ²	2,507.30 '4,		NO. OF ACRES	SCHE
SF 079165 5-1-48		SF 078764 8=1-48		SERIAL NO. AND I.EASE DATE	SCHEDULE SHOWING THE PERGENTAGE IN ALL LANDS
U. S. A. 12.5%		U. S. A. 12.5%		I.AND OWNER PERCENTAGE OF ROYALTY	THE PERCENTAGE IN ALL LANDS
Pacific North- west Pipeline Corporation		Pacific North- west Pipeline Corporation		LESSEE OF RECORD	EXHIBIT "B' AND KIND OF IN THE ROSA
None		None		OVERRIDING ROYALTY OWNER AND PERCENTAGE	" OWNERSHIP OF OII: AND CAS INTEREST UNIT AGREEMENT
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	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**	BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST	Ĥ

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		28. Sec. 33: All Sec. 34: All Sec. 35: All	22. Sec. 23: S/2 Sec. 24: All Sec. 25: W/2, SE/4 Sec. 26: W/2, SE/4 Sec. 36: All	21. (continued)	TRACT NO. DESCRIPTION
		1,920.00	2,560.00		NO. OF ACRES
		SF 078773 8-1-48	SF 078768 8-1-48		SERIAL NO. AND LEASE DATE
		U. S. A. 12.5%	U. S. A. 12.5%		LAND OWNER PERCENTAGE OF ROYALTY
		Pacific North- west Pipeline Corporation	Pan American Petroleum Corporation		LESSEE OF RECORD
		None	None		OVERRIDING ROYALTY OWNER AND PERCENTAGE
BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**	Pan American Petroleum Corporation - All Rights	BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

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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

33. Sec. 4: $S/2 \text{ SW/4}, \text{ SW/4}, \text{ SW/4}, \text{ SW/4}, \text{ SE/4}$ Sec. 5: All Sec. 6: $W/2, E/2 E/2$ Sec. 10: Lots 1,2,3, $E/2$ Sec. 15: Lots 1,2,3, $E/2$ E/2, NW/4 Sec. 15: Lots 1,2, $E/2, E/2, E/2, E/2, E/2, SW/4$	<u>T 31 N, K 0 W</u> 29. Sec. 1: All 2,5 Sec. 3: Lots 5,6,7,8, 9, SE/4, E/2 SW/4, SW/4 SW/4 Sec. 4: Lots 5,6,7,8,9, N/2 SW/4, SW/4 SE/4, SE/4, SE/4 Sec. 33: W/2, NE/4, W/2 SE/4 (T 32 N, R 6 W) Sec. 35: All (T 32 N, R 6 W)	RACT 0. DESCF
+ 2,460.23	2,561.86 2,561.86 9, 9, 1, 2,561.86 /1, 2,561.86 /1, 2,561.86 /1, 1, 2,561.86 /1, 1, 2,561.86 /1, 1, 2,561.86	SCHEI NO OF ACRES
SF 078765 4-1-48	SF 078772 4-1-48	DULE SHOWING SERIAL NO. AND LEASE DATE
U. S. A. 12.5%	U. S. A. 12.5%	SCHEDULE SHOWING THE PERCENTAGE IN ALL LANDS IN ALL LANDS F SERIAL NO. LAND OWNER F AND PERCENTAGE S LEASE DATE OF ROYALTY
Pacific Northwest Pipeline Corporation	Pacific Northwest Pipeline Corporation	EXHIBIT "B' AND KIND OF IN THE ROSA LESSEE OF RECORD
None	None	OWNERSHIP OF OIL AND GAS INTEREST UNIT AGREEMENT OVERRIDING ROYALTY OWNER AND PERCENTAGE
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	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	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

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Revised March 6, 1958

Revised March 6, 1958	39. Sec. 16: Lots 1,2,3, N/2 NE/4, N/2 NW/4, SW/4 NW/4, Sec. 17: All Sec. 21: Lots 1,2,3, W/2 NW/4, S/2			37. Sec. 11: A11 Sec. 14: A11 Sec. 23: A11 Sec. 26: A11	33. (continued)	FEDERAL LANDS	TRACT NO. DESCRIPTION	
	2,552.71			2,560.00 SF 078 4-1-48			NO. OF AND ACRES LEASE	SCHEDUIE S
	SF 078766 U.S. 4-1-48 12.5%			SF 078771 U.S. 4-1-48 12.5%			DATE	SCHEDULE SHOWING THE PER IN AI
J	A .			h. A. Pacific] % Pipeline			LAND OWNER PERCENTAGE LESSEE OF ROYALTY RECORD	EXHI PERCENTAGE AND K I ALL, LANDS IN TH
PAGE 11	Pacific Northwest Pipeline Corporation			fic Northwest line Corporation			RE OF	EXHIBIT "B" AND KIND OF OWNERSHIP OF O IN THE ROSA UNIT AGREEMENT
	None			None			OVERRIDING ROYALITY OWNER AND PERCENTAGE	OF OIL AND GAS INTEREST MENT
	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	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**	BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST	

26. Sec. 32: NE/4	STATE LANDS <u>T 31 N, R 5 W</u> 25. Sec. 32: NW/4	FEDERAL LANDS 39. (continued) Sec. 22: Lot 1, S/2, NE/4, E/2 NW/4 Sec. 25: All	TRACT NO. DESCRIPTION
160.00	160.00		NO. OF ACRES
E-347-28 6-1-48	E-347-30 6-1-45		SERIAL NO. AND LEASE DATE
State of New Mexico 12.5%	State of New Mexico 12•5¢		LAND OWNER PERCENTAGE OF ROYALTY
Pacific Northwest Pipeline Corporation	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2		LESSEE OF RECORD
M. B. Armer 5.0%	Before Payout John R. Brennand 5.468750% Dan K. Ponder 5.468750% After Payout None		OVERRIDING ROYALTY OWNER AND PERCENTAGE
FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas and Oil Rights Pacific Northwest Pipeline Corporation - All BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation	Before PayoutEl Paso Natural GasCompanyJ. Glenn TurnerAfter PayoutEl Paso Natural GasCompanyJ. Glenn TurnerJ. Glenn TurnerJohn R. Brennand2/10Dan R. Ponder	BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

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

Revised March 6, 1958

31. Sec. 2: Lot 5			30. Sec. 2: All except lot 5	<u>T 31 N, R 6 W</u>	27. Sec. 32: S/2	STATE LANDS	TRACT NO. DESCRIPTION
9.35			346.91		320.00		NO. OF ACRES
			E-289-37 5-2-45		E-347-31 6-1-45		SERIAL NO. AND LEASE DATE
State of New Mexico 12.5%			State of New Mexico 12.5%		State of New Mexico 12.5%		LAND OWNER PERCENTAGE OF ROYALITY
L. A. Smith			Pacific North- west Pipeline Corporation		El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2		LESSEE OF RECORD
None			Francis L. Harvey 2.5%		First National Bank of Dallas, Trustee for the account of Three States Nat- ural Gas Company 10.937500% Squire Production Company 10.937500%		OVERRIDING ROYALTY OWNER AND PERCENTAGE
L. A. Smith - All Rights	BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**		El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

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

Revised March 6, 1958

		42. Sec. 16 and 21*	41° Sec. 16*	40-A.Sec. 16: SW/4 NW/4 NW/4 NE/4	40. Sec. 16: N/2 NW/4	STATE LANDS	TRACT NO. DESCRIPTION
		80.00	160.00	80.00	80.00		NO. OF ACRES
		E-289-37 5-2-45		E-346-22 6-1-45	E- 346-20 6-1-45		SERIAL NO. AND LEASE DATE
		State of New Mexico 12.5%	State of New Mexico 12.5%	State of New Mexico 12•5%	State of New Mexico 12.5%		LAND OWNER PERCENTAGE OF ROYALTY
		Pacific Northwest Pipeline Corporation	Southern Petroleum Exploration, Inc.	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2		LESSEE OF RECORD
		Francis L. Harvey 2.5%	None	Three States Natural Gas Company 10.937500% Squire Production Company 10.937500%	Three States Natural Gas Company 10.937500% Squire Production Company 10.937500%		OVERRIDING ROYALTY OWNER AND PERCENTAGE
BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**	Southern Petroleum Exploration Inc All Rights	El Paso Matural Gas Company J. Glenn Turner 1/2	El Paso Natural Gas Company J. Glenn Turner 1/2		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

EXHIBIT "B" SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNEESHIP OF OIL AND CAS INTEREST IN ALL, LANDS IN THE ROSA UNIT AGREEMENT

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Revised March 6, 1958

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Corporation

45. Sec. 32: E/2	44. Sec. 32: W/2	T 32 N, R 6 W	43. Sec. 15 and 22*	STATE LANDS	TRACT NO DESCRIPTION
320.00	320.00		80.00		NO. OF ACRES
E-504-12 8-21-45	E-504-11 8-21-45		E- 289-32 5 - 2-45		SERIAL NO. AND LEASE DATE
State of New Mexico 12.5%	State of New Mexico 12.5%		State of New Mexico 12.5%		LAND OWNER PERCENTAGE OF ROYALTY
El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	Pacific Northwest Pipeline Corporation		Pacific Northwest Pipeline Corporation		LESSEE OF RECORD
Three States Natural Gas Company 10.937500% Squire Production Company 10.937500%	3.0%		Levi Hughes 5.0%		OVERRIDING ROYALTY OWNER AND PERCENTAGE
BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Phillips Petroleum Company El Paso Natural Gas Company 1/2 J. Glenn Turner 1/2	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	FROM THE SURFACE TO THE BASE OF THE MESAVERDE FORMATION Gas and Oil Rights Pacific Northwest Pipeline Corporation - All		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

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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

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

Revised March 6, 1958

20. Sec. 20: SW/4 Sec. 29: NW/4		<u>PATENTED LANDS</u> <u>T 31 N, R 5 W</u> <u>19. Sec. 19:</u> SW/4 NE/4, NW/4 SE/4, Lots 2, 3	TRACT NO. DESCRIPTION	
320.00		152.22	NO. OF ACRES	SCHEI
Patented 11-21-46 10 year		Patented 1110-47 10 year	SERIAL NO. AND LEASE DATE	ULE SHOWING TH
Manuel C. Candelario 1.56250 Allen M. Tonkin 1.56250 W. P. McDonald 1.56250 Dee Forehand. .26041 R. E. Beamon .65104 Johnston Oil & Gas .32552 lst Nat'l Bank of Ft. (Trustee for Eula Mae .16281		Miguel A. Gonzales 12.5%	LAND OWNER PERCENTAGE OF ROYALITY	EXHIBIT "B SCHEDULE SHOWING THE FERGENTAGE AND KIND OF IN ALL LANDS IN THE R
Pacific North- west Pipeline Corporation . Worth e Johnston)		Pacific North- west Pipeline Corporation	LESSEE OF OV	BIT "B" IND OF OWNERSHIP OF C THE ROSA UNIT
None		None	OVERRIDING ROYALITY OWNER AND PERCENTAGE	" OWNERSHIP OF CIL AND GAS INTEREST OSA UNIT
<pre>Fan 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 Pipe- line Corporation - 1/2 BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation</pre>	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2 BELOW THE BASE OF THE MESAVERDE FORMATION All Rights		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST	

Revised March 6, 1958

	TRACT NO. DESCRIPTION	
	NO. OF ACRES	SCHEI
	SERIAL NO. AND LEASE DATE	SCHEDULE SHOWING THE
Ralph A. Johnston .08139 Orville C. Rogers .01356 Veva Jean Gibbard .01356 V. A. Johnston .01356 Brookhaven Oil Company 1.36718 Paul H. Umbach 1.36718 Dacresa Corporation <u>3.51560</u> 12.50000	LAND OWNER PERCENTAGE OF ROYALTY	EX PERCENTAGE AND IN ALL LANDS
any	LESSEE OF RECORD	HIBIT "B" KIND OF OWNERSHIP OF OIL. IN THE ROSA UNIT AGREEMENT
	OVERRIDING ROYALTY OWNER AND PERCENTAGE	OF OIL AND GAS INTEREST REEMENT
	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST	

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	34. Sec. 8: W/2 E/2	32. Sec. 3 and 4: Tract 37 158. 33: E/2 SE/4 (T 32 N, R 6 W) 34: NW/4 SW/4 (T 32 N, R 6 W)	24. sec. 26: NE/4 <u>T 31 N, R 6 W</u>	23. Sec. 25: NE/4	PATEWIED LANDS	TRA()T NO. DESCRIPTION
	160.00	158.36 3 6 W) 3 6 W)	1.60 .00	160.00		NO & OF ACRES
	Fee 1-26-48	Fee	Patented	Patented		SERIAL NO. AND IEASE DATE
	Miller - 3/8 Wise - 3/8 Axtell - 2/8	T. H. McElvain 5/16 John and Gladys Greene 11/32 D. A. and Helen Greene 11/32	Jose J. Sanchez, et ux 12.5%	Undivided Interest Unk 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		LAND OWNER PERCENTAGE OF ROYALITY
	Pacific North- west Pipeline Corporation	Unknown	Unknown	Unknown ta ivera		LESSEE OF RECORD
	h≁ None e	Unknown	Unknown	Unknown		OVFERIDING ROYALTY OWNER AND PERCENTAGE
Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gas Rights Pacific Northwest Pipeline Corporation - All**	Unknown	Unknown	Unknown		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST

EXHIBIT "B" SCHEDULE SHOWING THE PERCENTRAGE AND KIND OF OWNFRSHIP OF OIL AND GAS INTEREST IN AUL LANDS IN THE ROSA UNIT AGREEMENT

Revised March 6, 1958

	SCHE	SCHEDULE SHOWING THE PERCENTAGE		T "B" D OF OWNERSHIP (EXHIBIT "B" AND KIND OF OWNERSHIP OF DIL AND GAS INTEREST	
			IN ALL LANDS IN THE	THE KOSA UNLT AGREEMENT	4EIN T.	
TRACT NO. DESCRIPTION	NO. OF ACRES	SERIAL NO. AND LEASE DATE	LAND OWNER PERCENTAGE OF ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALITY OWNER AND PERCENTAGE	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST
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	Dee Forehand 1/16 R. E. Beamon 14/96 Alma Mae Beamon Anderson 7/96 Ralph A. 7/96 Ralph A. Johnston 3/512 Texas National Petroleum Company 3/64 First Nat'l Bank of Fort Worth, Texas,	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
			Johnston and Mary Johnston and Mary Louise Brown under Trust Indenture of December 20, 1955 3/128 V. A. Johnston Mrs. Willie Johnston 3/512 Lillie Leona Rogers 1/512 Orville Curtis Rogers 1/512 Veva Jean Gibbard	α Υ		BELOW THE BASE OF THE MESAVERDE FORMATION All Rights Pan American Petroleum Corporation
Revised March 6, 1958			Allen M. Tonkin and PAGE	F 19		

Revised	38. sec.			36. Sec.	35 •	PATENTED	TRACT NO.	
Revised March 6, 1058	• 15 and 16:			. 10 and 15:	(continued)	LANDS	DESCRIPTION	
œ	Tr. 39			Tr. 38				
	160.00			160.00			NO. OF ACRES	SCH
	₽ee 8–6–47			Fee 2-1-49			SERIAL NO. AND LEASE DATE	SCHEDULE SHOWING THE PERCENTAGE IN ALL LANDS
PAG	Dacresa Corpora- Pa tion 9/32 w Umbach 7/64 C Jose Lopez 3/16 Margarito Lopez 5/16 Brookhaven 7/64			Covert and Johnson 12.5%	Nancy P. Tonkin, Joint Tenants 1/4 W. B. Comegys 1/4		LAND OWNER PERCENTAGE OF ROYALTY	ANT IN
PACE DO	Pacific North- west Pipeline Corporation 6			Pacific North- west Pipeline Corporation			LESSEE OF RECORD	" OWNERSHIP UNIT AGREE
	I			- Covert and Johnson 1/16 of 7/8 until \$200.00 per acre received			OVERRIDING ROYALTY OWNER AND PERCENTAGE	OF OIL AND GAS INTEREST MENT
	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	Oil Rights Colorado Oil and Gas - 1/2 Pacific Northwest Pipeline Corporation - 1/2	FROM SURFACE TO BASE OF MESAVERDE FORMATION Gāš Rights Pacific Northwest Pipeline Corporation - All**			WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT AND PERCENTAGE OF INTEREST	

**Subject to Colorado Oil and Gas Corporation Reversional Interest.	- leased to J. Glenn Turner, et al -160 acres - 1 , NW/4 NE/4 - leased to J. Glenn Turner, et al - ased to Southern Petroleum Explorations Inc 10 - leased to Pacific Northwest Pipeline Corporation - leased to Pacific Northwest Pipeline Corporation of Section is Patented	*Resurvey plat, dated June 30, 1919, approved August 27, 1919, shows "School Section" to but is carried on State of New Mexico records as Section 16, T 31 N, R 6 W, and is leased			<u>T 32 N, R 6 W</u> 46. Sec. 34: W/2 NW/4 80.00 Fee Mascarinas Pa 1-18-47 12.5% ve Co	38. (continued)	TRACT NO. OF AND PERCENTAGE LES NO. DESCRIPTION ACRES LEASE DATE OF ROYALTY REG	EXHIBIT "B" SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OU IN ALL LANDS IN THE ROS
	- Unit Tract 40 - Unit Tract 40-A 160 acres - Unit Tract 41 tion - 80 acres - Unit Tract 42 tion - 80 acres - Unit Tract 43	ol Section" to be parts of Sections 15, 16, 21, and 22, T 31 N, R 6 W, , and is leased as follows:	BELOW THE BASE OF THE MESA- VERDE FORMATION All Rights Pan American Petroleum Corporation	011	Pacific North- None FROM SURFACE TO BASE OF MESA- west Pipeline VERDE FORMATION Gas Rights	BELOW THE BASE OF THE MESA- VERDE FORMATION All Rights Pan American Petroleum Corporation	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING RECORD OWNER AND PERCENTAGE OF INTEREST	XHIBIT D KIND IN THI

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Revised March 6, 1958

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

and the

Oil Conservation Commission All Working Interest Owners

State of New Mexico Post Office Box 871 Santa Fe, New Mexico

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,

PAQIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke District Manager, Land Department

CVD:je

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

32

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 Commission 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

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 referenced Rosa Unit Expansions.

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

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

Jande Ulm 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

Jande bran Dyke Claude Van Dyke

District Manager, Land Department

CVD:jc

IN REPLY REFER TO:



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

and the second s 132

P. O. Box 6721 Nosvell, New Maxico

February 24, 1958

Pacific Northwest Pipeline Corporation 7. 0. Box 1526 Salt Lake City 30, Stah

Attention: Mr. R. H. Michey

Gentlemen:

Your plan of development dated Becomber 4, 1957, for the Bose 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 \$11 and Gas Supervisor

Eac losure

Copy to: Wash. (m/copy of plan) Farmington (w/copy of plan) Coun. 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. 0. 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. N. Rickey

Gentlemen:

· · · · · · · · ·

2 **4** 3 8 4

> 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

MEN/MAR/s

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

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

F14 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,

Morgan

MURRAY E. MORGAN Commissioner of Fublic 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

SALT LAKE CITY, UTAH

January 15, 1958

P. O. Box 1526 SALT LAKE CITY 10, UTAH

Regional Supervisor United States G ological 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:

Well Name	Location	Date Completed	<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

Well Name	Location	Date Completed	I. P
# 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

SALT LAKE CITY, UTAH

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

December 9, 1957

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

ade Van Dvke

District Manager, Land Department

CVD:jc

Enc.

T 31 W, R 6 W Section 15: 8.41 out o S/2 S	T 31 N, R 6 W Section 15: Tract #39	<u>T 31 N, R 6 W</u> Section 15: Tract #38	<u>T 31 N, R 6 W</u> Section 15: Lots 1 and 2, E/2 SW	<u>31 N, R 5 W</u> Section 18: All	<u>T 31 N R 5 W</u> Section 32: s/2	<u>T 31 N, R 5 W</u> Section 32: NW/4	Description Of Lands
8.41 8.41 acres out of S/2 S/2 SW/4 SW/4	80.00	, 112.21	Lots 1 118.97 and 2, E/2 SW/4	463.72	320.00	160.00	Number Of Acres
688 - ≖3	Fee	Fee	SF 078765	SF 078764	E-347		Serial Number
12.5%	12•5\$	12.5%	12.5%	12.5 %	12.5%	12.5%	Basic Royalty
°012209 %	.116133 %	•162891 %	.172705 %	.673167 %	. 464534 %	.232267 %	Unit Participation
Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5 %	Pacific North- west Pipeline Corporation 87.5 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	natural Gas 43.75% J. Glenn Turner 43.75%	
. 085459 %	.81293 ⁴ %	1.140241 %	1.208934 %	4.712169 %	1.625867 % 1.625867 %	0.812934 % 0.812933 %	Unit Participation
•097668 \$	•929067 \$	1.303132 🖋	1.381639 %	5-385336 %	3.716268 \$	1.858134 🗲	Total Tract Participation
XTII	XXXVIII	IAXXXI	XXXIII	XVIII	XXVII	XXV	Tract Number

Page 2

A COC SALT LAKE CITY. UTAH

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

W -R. N. Richey, Manager

Land Department

RNR CVD:mdc Attachment

• .

APPROVED	: ·	DATE :
	Supervisor, United States Geological Survey	
	Subject to like approval by the appropriate	State officials.
APPROVED	•	DATE :
	Commissioner of Public Lands	
	Subject to like approval by the U.S.G.S. and	Oil Conservation Commission.
APPROVED	Oil Conservation Commission	DATE: 3/28/58
	4	

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

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

El Paso Natural Gas Company P. O. Box 1492 El Paso, Texas Attention: Mr. Sam Smith Colorado Oil and Gas Company Denver Club Building Denver, Colorado

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

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

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:			

NAME OF THE OCC

SALT LAKE CITY. UTAH

12(0) - 810:33

November 27, 1957

REPLY TO: P. O. BOX 1526 SALT LAKE CITY 10, UTAM

File Case 133

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

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

DIL CONSERVATION COMMISSION P. D. BOX 871 SANTA FE, NEW MEXICO

November 25, 1957

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

Attention: Mr. R. M. Richey

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: ong

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

SALT LAKE CITY, UTAH

August 21, 1957

REPLY TO: P. O. BOX 1526 SALY 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. J. Box 871 Santa Fe, New Mexico Re: Application for Approval of Fourth and Fifth Expansions of the Mesaverde Participating Area for the Rosa Unit. San Juan and Rio Arriba Counties New Mexico

Gentlemen:

OCC.

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				Range 5	West	Acres
Section	18	3:	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:

Township 31 North,	Range 6 West	Acres
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 Su	DATE: <u>Leptember 3, 195</u> 7
Commissioner of Public Lands	/ /
011 Conservation Commission THIS APPROVAL GRANTED SUBJECT TO LIKE APPROVAL BEING GRANTED BY THE UNITED STATES GEOLOGICAL	

BEING GRANTED BY THE UNITED STATES GEOLOGICAL SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS

	Tract Number	XXXVII	XIV	IIIXXX	XIXXX	XVIII	IXX	XX	XIX
	Total Tract Participation	32.115616 %	13.639100 \$	4.014452 %	10.845042 G	21.622592 %	2.007226 %	4.014452 %	1.909625 \$
MESAVERDE 5, NEW MEXICO	Unit Participation	28.101163 \$, 934213 %	3.512645 %	\$ TI4684.6	18.919768 &	1.75ó323 \$	3.512646 \$	1.670922 \$
WITHIN PROPOSED MESAVERDE SAN JUAN COUNTIES, NEW MEXICO	Working Interest*	Pacific NW Pipeline 87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%
ന ഷ	Unit Participation	4.014453 ¢	1.704887 %	.501807 %	1.355631 %	2.702824 %	.250903 \$.501806 \$.238703 \$
EALLE OF OIL & FOR ROSA UNIT,	Basic Royalty	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA &	Serial Number	SF 078771	sf 078767	SF 078765	SF 078766	SF 078764	SF 079165	FEE	III
CHEDULE OF LA H EXPANDED PA	Number Of Acres	2560.00	1087.20	320.00	864.48	1723.58	160.00	320.00	152.22
S.	Description Of Lands	T 31 N, R 6 W Sec. 11: All 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, 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	<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	T 31 N, R 5 W Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4 Sec. 20: SE/4 Sec. 29: N/2 NE/4, SW/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	T 31 N, R 5 W Sec. 20: SW/4 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

,

EXHIBIT "B"

, , ,

	SCHET FOURTH EX	DULE OF LANDS SH	OWING OWNERS ATING AREA I	SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS I FOURTH EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO	INTERESTS WITHIN PROPOSED MESAVERDE ARRIBA & SAN JUAN COUNTIES, NEW MEXICO	POSED MESAVERDE DUNTIES, NEW MEXIC	0	
Number Of Acres		Serial Number	B asi c Royalty	Unit Participation	Working Interest*	Unit Participation	Total Tract Participation	Tract Number
160.00	1		12.5%	.250903 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	0.878161 \$ 0.878162 \$	2.007226 %	XXV
		в-347	12.5%	.250903 Å	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	0.878162 % 0.878161 %	2.007226 &	XXVII
463 . 72		SF 078764	12.5%	•727180 \$	Pacific North- west Pipeline Corporation 87.5 %	5.090263 \$	5.817443 %	IIINX
TOTALS 7,971.20	11			12.500000 %		87.500000 %	100.000000 %	

EXHIBIT "B"

*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" ł 1 1

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%	% Z&It2.	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	0.844310 % 0.844310 %	1.929853 \$	XXV
T 31 N F W Section 32: SW/4	160.00	E-347	12.5%	\$ ZEIL42.	El Paso Natural Gas 43.75 % J.Glenn Turner 43.75%	0.844310 \$	1.929852 \$	IIVXX
T 31 N, R 5 W Section 18: All	463.72	SF 078764	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	1 118.97 W/4	SF 078765	12.5%	.179371 %	Pacific North- west Pipeline Corporation 87.5 \$	1.255595 \$	1.434966 &	IIIXXX
<u>T 31 N, R 6 W</u> Section 15: Tract #38	112.211	ъее	12.5%	.169179 \$	Pacific North- west Pipeline Corporation 87.5%	1.184250 \$	1.353429 %	IVXXX
<u>T 31 N, R 6 W</u> Section 15: Tract #39	80.00	Fee	12.5%	.120616 %	Pacific North- west Pipeline Corporation 87.5%	.844310 %	,964926 ø	XXXVIII
T 31 N, R 6 W Section 15: 8.41 acres out of S/2 S/2 SW/4 S1	8.41 . acres of S/2 SW/4 SW/4	E-289	12.5%	.012680 %	Pacific North- west Pipeline Corporation 87.5%	•088757 #	.101437 ø	XLIII
TOTALS 8,290.79	8,290.79			12.500000 %	6 87.50000 \$ 100.00000 \$	87.500000 \$	100.000000 \$	

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

Q Q ו כי ו ρ against the subject lands.

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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-3lN, 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-3lN, 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

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:

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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:

Township				5	West	Acres
Section	. 32	2:]	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 Conserva-tion 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, Manage, Land Department

RNR:CVD:jc

Enc.

APPROVED:

Director, United States Geological Survey

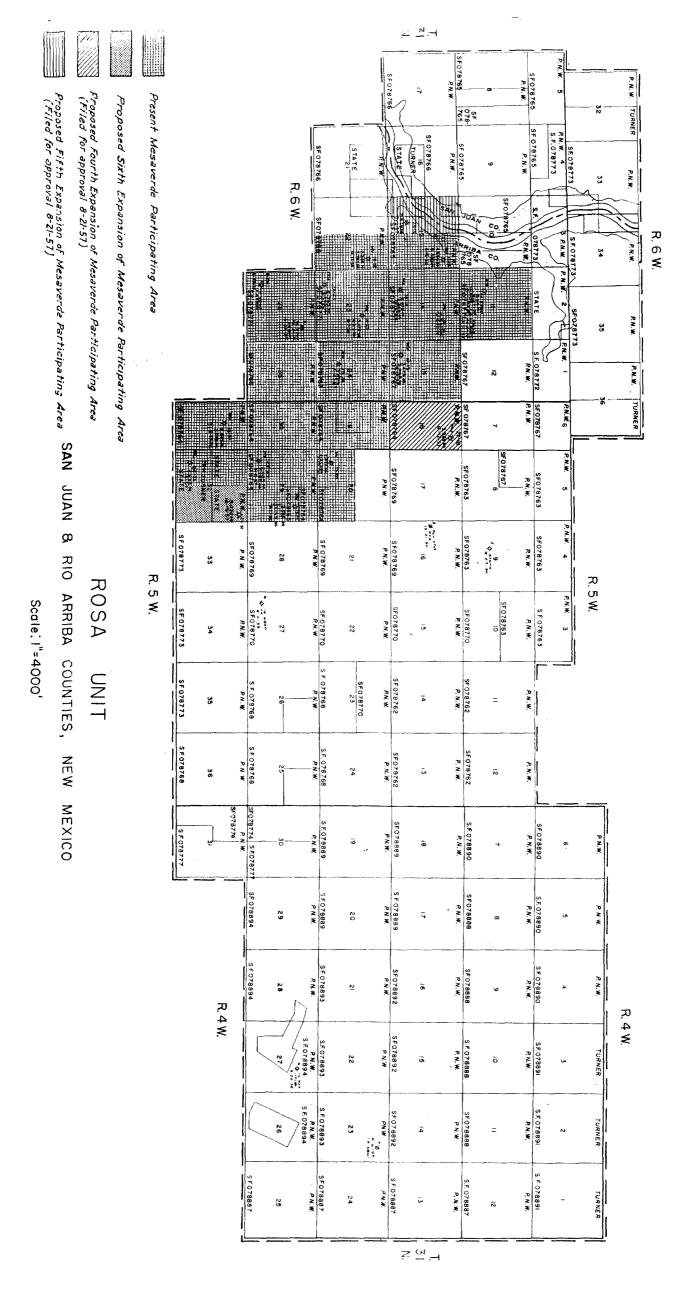
Eblic Lands

Oil Conservation Commission

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

DATE:

November 22, 1957



T 31 N, R 5 W Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	<u>T 31 N, R 5 W</u> Sec. 29: S/2 NE/4 E/2 SE/4		R 5 W 19: E/2 NE/ 20: SE/	<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	<u>T 31 N, R 6 W</u> Sec. 15: E/2	<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.	T 31 N, R 6 W Sec. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	Description Of Lands	SI SIXTH
152.22	320.00	160.00		1723.58	84.198	320.00	1087.20	2560.00	Number Of Acres	CHEDULE OF LANDS SHOWING OWN EXPANDED PARTICIPATING AREA
FEE	FEE	SF 079165		SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	ECHEDULE OF LANDS SHOWING OWNERSHIP OF I EXPANDED PARTICIPATING AREA FOR ROSA U
12.5%	12.5%	12.5%	:	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty	CHIBIT OIL & JNIT, 1
•220973 %	.464534 %	.2 32267 \$		2,502064 \$	1.254937 %	•464533 %	1.578252 %	3.716267 \$	Unit Participation	INTERESTS W. ARRIBA & SAN
87.5%	87.5%	87.5%		87.5%	87.5%	87.5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	PROPOSED COUNTIES,
1.546809 %	3.251734 \$	1.625867 \$		17.51 ⁴⁴ 50 %	8.784560 %	3.251735 %	11.047767 %	26.013873 \$	Unit Participation	MESAVERDE NEW MEXICO
1.767782 \$	3.716268 \$	1.858134 %		20.016514 %	10.039497 %	3.716268 %	12.626019 %	29.730140 \$	Total Tract Participation	
XIX	X	IXX		XVIII	XXXIX	XXXIII	ХIЛ	XXXVII	Tract Number	

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T 31 N, R 6 W Section 15: 8. ou S/	<u>T 31 N, R 6 W</u> Section 15: T	<u>T 31 N, R 6 W</u> Section 15: Tra. #38	<u>T 31 N, R 6 W</u> Section 15: L E	T 31 N, R 5 W Section 18: All	<u>T 31 W R 5 W</u> Section 32: SW/4	<u>T 31 N, R 5 W</u> Section 32: NW/4	Description Of Lands
8.41 8.41 acres out of S/2 S/2 SW/4 SW/4	Tract 80.00 #39	Tract 112.21 #38	Lots 1 118.97 and 2, E/2 SW/4	1 463.72	/4 160.00	/4 160.00	Number Of Acres
E-289	Ŧee	ਾਸ e e	SF 078765	SF 078764	E-347		Serial Number
12.5%	12.5%	12.5%	12.5%	12.5 %	12.5%	12.5%	Basic Royalty
. 012209 %	.116133 %	.162891 %	•172705 %	.673167 %	.464534 %	.232267 %	Unit Participation
Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5 %	Pacific North- west Pipeline Corporation 87.5 %	El Paso Natural Gas 43.75 % J.Glenn Turner 43.75%	HI Paso Natural Gas 43.75% J. Glenn Turner 43.75%	Working Interest*
.085459 %	.812934 X	1.140241 %	1.208934 %	4.712169 %	1.625867 % 1.625867 %	0.812934 % 0.812933 %	Unit Participation
.097668 %	• 730626	1.303132 %	1.381639 %	5.385336 %	3.716268 %	1.858134 %	Total Tract Participation
XLIII	XXXVIII	IAXXX	IIIXXX	XVIII	XXVII	XXV	Tract Number

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Page 2

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					CALCEL DAL DIALO		15 SUDJect to
100.000000%	87.500000 %	each tract	12.500000 %	the working in	n allocated to	TOTALS 8,610.79 12.500000 %	TOTALS 8,610.79 *The percentage of
1.858134 % XXVI	₩ 1.625867 %	Pacific NW Pipeline 87.5%	.232267 %	12.5%	E 347-28	160.00	T 31 W, R 5 W Sec. 32: NE/4
Total Tract Tract Participation Number	Unit Participation	Working Interest*	Unit Participation	Basic Royalty	Serial Number	Number Of Acres	Description Of Lands

Page 3

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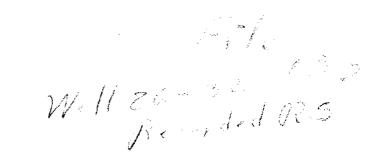
SIXTH EXPANSION OF MESA VERDE PARTICIPATING AREA, ROSA UNIT, RIO ARRIBA AND SAN JUAN COUNTIES, NEW MEXICO

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



November 22, 1957

In reply refer to: Unit Division

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

1271. 1971 - 1972 - 1972 1973 - 1973 - 1973 - 1973

> Re: Application for approval of the Sixth Expansion of Mesaverde Participating Area Real Whit

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 application is fully approved.

Very truly yours,

MURRAY E. MORGAN Commissioner of Public Lands

By: Ted Bilberry, Supervisor Oil and Gas Department

MEM:MMR cc: OCC-Santa Fe USCS-Roswell

C. C. C. C.

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:

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Berger V. L. . FM 2:35

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 Ross 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 Nevember 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

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

SALT LAKE CITY, UTAH

Ave. November 13, 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

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 Ross Unitive San Juan and Rio Arriva Counties New Mexico

Caseles

Y 10, UTAH

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:

Township 31 North, Range 5 West	Acres	
Section 32: E/2	320.00	
Total Acres	200 00	1
IOUAL ACTES	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

DATE:

R. N. Richey, Manager Land Department

RNR:CVD:jc

Enc.

APPROVED:

Director, United States Geological Survey Lands Commissioner of

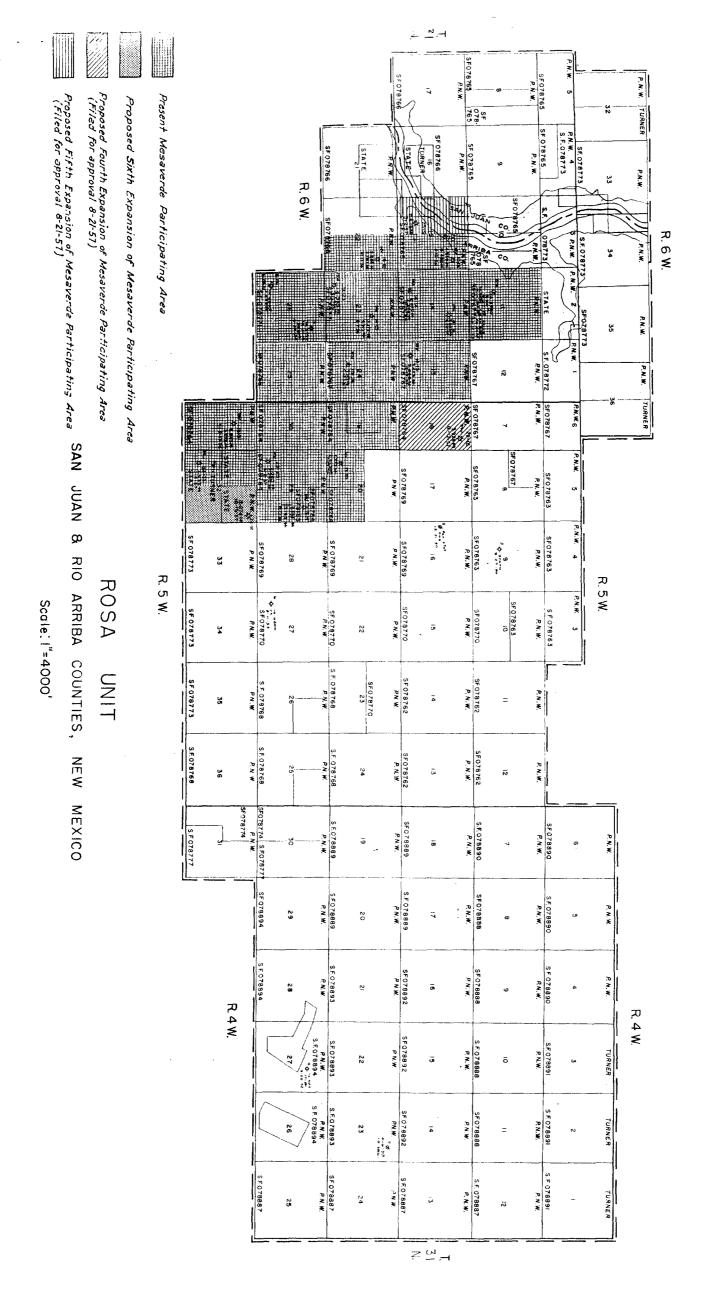
DATE: november 22

Nev 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.

æ

Oil Conservation Commission



<u>T 31 N, R 5 W</u> Sec. 19: Lots 2,3, SW/t NE/t, NW/t SE/t	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	$\frac{T 31 W, R 5 W}{Sec. 29: S/2 NE/4}$ $E/2 SE/4$	<u>T 31 N, R 5 W</u> <u>Sec. 19: E/2 E/2, NW/4</u> <u>Sec. 20: SE/4</u> <u>Sec. 29: N/2 NE/4, SW/4 SE/4</u> <u>Sec. 29: N/2 NE/4, SW/4,</u> <u>W/2 SE/4</u> <u>Sec. 30: E/2, Lots 1,2,3,4,</u> <u>Sec. 31: E/2, Lots 1,2,3,4.</u>	<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	<u>T 31 N, R 6 W</u> Sec. 15: E/2	<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.	T 31 N, R 6 W Sec. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	Description Of Lands	S
152.22	320.00	160.00	1723.58	841.148	320.00	1087.20	2560.00	Number Of Acres	SCHEDULE OF LANDS SHOWING OWN SIXTH EXPANDED PARTICIPATING AREA
FEE	FER	SF 079165	SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	
12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty	EXHIBIT MERSHIP OF OIL & FOR ROSA UNIT, I
.220962 \$.464511 %	.232256 %	2.501944 %	1.254877 %	,464511 %	1.578177 %	3.716091 %	Unit Participation	""B" GAS INTERESTS WITHIN PROPOSED MESAVERDE RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXI
87.5%	87 - 5%	87.5%	87.54	87.5%	87.5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	THIN PROPOSED 1 JUAN COUNTIES,
1.546736 %	3.251580 %	1.625789 %	17.513617 %	8.784142 %	3.251580 %	11.047241 %	26.012634 %	Unit Participation	MESAVERDE NEW MEXICO
1.767698 %	3.716091 %	1.858045 %	20.015561 %	10.039019 %	3.716091 %	12.625418 %	29.728725 %	Total Tract Participation	2/stys
XIX	X	IXX	XVIII	XXXIX	XXXIII	XIV	XXXVII	Tract Nurber	

<u>T 31 W, R 6 W</u> Section 15: 8.41 acres out of S/2 S/2 SW/4 S	<u>T 31 N, R 6 W</u> Section 15: Tract #39	T <u>31 N, R 6 W</u> Section 15: Tract #38	<u>T 31 N, R 6 W</u> Section 15: Lots 1 1 and 2, E/2 SW/4	T 31 N, R 5 W Section 18: All	T 31 N R 5 W Section 32: S/2	<u>T 31 N, R 5 W</u> Section 32: NW/4	Description Of Lands
8.41 8.41 acres out of S/2 S/2 SW/4 SW/4	80.00	112.62	1 118.97 /4	463.72	320.00	160.00	Number Of Acres
E-289	Fee	Fee	SF 078765	SF 078764	E- 347		Serial Number
12.5%	12.5%	12.5%	12.5%	12.5 %	12.5%	12.5%	Basic Royalty
.012208 %	.116128 %	.163479 %	.172697 %	.673135 %	.464512 %	.232256 %	Unit Participation
Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5 %	Pacific North- west Pipeline Corporation 87.5 \$	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75%	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	Working Interest*
.085455 %	-812895 %	1.144353 %	1.208876 %	4.711945 %	1.625789 % 1.625790 %	0.812894 % 0.812895 %	Unit Participation
•097663 ¢	•929023 <i>%</i>	1.307832 %	1.381573 %	5.385080 %	3.716091 %	1.858045 %	Total Tract Participation
XLIII	t inxxx	IAXXX	XXXIII	IIIAX	XXVII	1227	Tract Number

Page 2

	*The percentage o is subject to al		T 31 N, R 5 W Sec. 32: NE/4	Description Of Lands
	*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.		160.00	Number Of Acres
	on allocated to t verriding interes		E 347-28	Serial Number
	t of record a		12.5%	Basic Royalty
	terest owner of e gainst the subjec	10 50000 4	.232256 %	Unit Participation
	ach tract t lands .	87.5%	Pacific NW Pipeline	Working Interest*
· · · · · · · · · · · · · · · · · · ·		87 500000 4	1.625789 %	Unit Participation
· · · · · · · · · · · · · · · · · · ·		100 000004	1.858045 %	Total Tract Participation
			XXVI	Tract Nurber

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Page 3

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

<u>T 31 N, R 5 W</u> Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	<u>T 31 N, R 5 W</u> Sec. 29: S/2 NE/4 E/2 SE/4	<u>T 31 N, R 5 W</u> Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4 Sec. 29: N/2 NE/4, SW/4 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 6 W</u> Sec. 22: E/2 Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	<u>T 31 N, R 6 W</u> Sec. 15: E/2	T 31 N, R 6 W 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.	T 31 N, R 6 W Sec. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	Des	, SI ,
152.22	320.00	160.00	1723.58	864.148	320.00	1087.20	2560.00	Number Of Acres	SCHEDULE OF LANDS SHOWING FIFTH EXPANDED PARTICIPATING
PEF	FEE	SF 079165	SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	
12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty	CHIBIT OIL & UNIT
.229490 %	. 482439 %	.241220 %	2.598508 %	1.303310 %	.482439 %	1.639087 %	3.859514 %	Unit Participation	"B" GAS INTERESTS , RIO ARRIBA &
87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	WITHIN PROPOSED MESAVERDE SAN JUAN COUNTIES, NEW ME
1.606432 %	3.377075 %	1.688537 %	18.189556 %	9.123167 %	3.377075 %	11.473611 %	27.016595 %	Unit Participation	AESAVERDE
1. 835922 %	3.859514 %	1.929757 %	20.788064 %	10.426477 %	3.859514 %	13.112698 %	30.876109 🖇	Total Tract Participation	m
XIX	XX	XXI	XVIII		XXXIII	XIV	XX.VII	Tract Humber	

] *The percentage against the su	T 31 N, R 6 W Section 15:	T 31 N, R 6 W Section 15:	<u>T 31 N, R 6 W</u> Section 15:	T 31 N, R 6 W Section 15:	<u>T 31 N, R 5 W</u> Section 18:	<u>T 31 N R 5 W</u> Section 32:	<u>T 31 N, R 5 W</u> Section 32:	Description Of Lands	
TOTAL ;e of uni: ubject la	8.41 acres out of S/2 S/2 SW/4 S	Tract #39	Tract #38	Lots 1] and 2, E/2 SW/4	A11	SW/4	NM/7t		
8,291.20 5 production <i>e</i> ands.	8.41 res 3/2 1 SW/4	80.00	112.62	74.811	463.72	160.00	160.00	Number Of Acres	SCHEDULE OF FIFTH EXPANDED
TOTAL 8,291.20 12.500000 percentage of unit production allocated to the working interest owner of inst the subject lands 2 -	E -289	Р е е	Я е е	SF 078765	SF 078764	E-347		Serial Number	HEDULE OF LANDS SHOWING EXPANDED PARTICIPATING
working intere	12.5%	12.5%	12.5%	12.5%	12·5 %	12.5%	12.5%	Basic Royalty	OWNERSHI AREA FOR
	.012678 %	.120610 %	.169788 %	.179362 %	.699115 %	.241220 %	.241220 %	Unit Participation	EXHIBIT "B" P OF OIL & GAS INT ROSA UNIT, RIO AR
% each tract is subject	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5 %	Pacific North- west Pipeline Corporation 87.5 %	El Paso Natural Gas 43.75 % J.Glenn Turner 43.75%	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	Working Interest*	INTERESTS WITHIN PRO:) ARRIBA & SAN JUAN C
87.500000 % 100.0000000 # to all outstanding overriding interest	.088755 %	.844268 %	1.188520 %	1.255533 %	4.893803 %	0.844268 %	0.844268 % 0.844269 %	Unit Participation	WITHIN PROPOSED MESAVERDE SAN JUAN COUNTIES, NEW MEXICO
	.101433 %	.964878 %	1.358308 %	1.434895 %	5.592918 %	1.929756 %	1.929757 %	Total Tract Participation	2/5/5-8 Myn
of record	XLIII	IIIAXXX	IAXXX	IIIXXX	XVIII	IIAXX	XXV	Tract Number	

-

T 31 N, R 5 W Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	T 31 N, R 5 W Sec. 20: SW/4 Sec. 29: NW/4	T 31 N, R 5 W Sec. 29: S/2 NE/4 E/2 SE/4	<u>T 31 N, R 5 W</u> Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4 Sec. 29: N/2 NE/4, SW/4 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 6 W</u> Sec. 22: <u>E/2</u> Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	T 31 N, R 6 W Sec. 15: E/2	<u>T 31 N, R 6 W</u> Sec. <u>13:</u> W/2, W/2 E/2 Lots 1,2,3,4, Sec. 24: W/2, W/2 E/2 Lots 1,2,3,4.	T <u>31 N, R 6 W</u> Sec. 11: A11 Sec. 14: A11 Sec. 23: A11 Sec. 26: A11	Description Of Lands	SIXTH
152.22	320.00	160.00	1723.58	84.198	320.00	1087.20	2560.00	Number Of Acres	SCHEDULE OF LANDS SHOWING OWN
FRE	FEE	SF 079165	SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	EXHIBIT SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & H EXPANDED PARTICIPATING AREA FOR ROSA UNIT, I
12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty	EXHIBIT "B" VERSHIP OF OIL & GAS FOR ROSA UNIT, RIO
.220962 %	, 115494	.232256 %	2.501944 %	1.254877 %	.464511 %	1.578177 %	3.716091 %	Unit Participation	"B" GAS RIO /
87.5%	87 - 5%	87.5%	\$5 - 1 8	87.5%	87.5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	INTERESTS WITHIN PROPOSED MESAVERDE ARRIBA & SAN JUAN COUNTIES, NEW MEXI
1.546736 %	3.251580 %	1.625789 %	17.513617 %	8.784142 ¢	3.251580 %	11.047241 %	26.012634 %	Unit Participation	MESAVERDE NEW MEXICO
1.767698 %	3.716091 %	1.858045 %	20.015561 %	10.039019 %	3.716091 %	12.625418 %	29.728725 %	Total Tract Participation	2/5/5-8 Man
XIX	X	XXI	XVIII	XXXIX	XXXIII	XIV	XXXVII	Tract Nurber	

T 31 N, R 6 W Section 15: 8.41 acres out of S/2 S/2 SW/4 S	<u>T 31 N, R 6 W</u> Section 15: Tract #39	<u>T 31 N, R 6 W</u> Section 15: Tract #38	<u>T 31 N, R 6 W</u> Section 15: Lots 1 J and 2, E/2 SW/4	T <u>31 N, R 5 W</u> Section 18: All	<u>T 31 W R 5 W</u> Section 32: S/2	T 31 N, R 5 W Section 32: NW/4	Description Of Lands
8.41 8.41 acres out of S/2 S/2 SW/4 SW/4	80.00	112.62	1 118.97 /4	463.72	320.00	160.00	Number Of Acres
E-289	Ч Ч С С	У ее	SF 078765	SF 078764	E-347		Serial Number
12.5%	12.5%	12.5%	12.5%	12.5 %	12.5%	12.5%	Basic Royalty
.012208 %	.116128 %	.163479 %	.172697 %	.673135 %	.464512 %	.232256 %	Unit Participation
Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5%	Pacific North- west Pipeline Corporation 87.5 %	Pacific North- west Pipeline Corporation 87.5 %	El Paso Natural Gas 43.75 % J.Glenn Turner 43.75%	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	Working Interest*
.085455 %	.812895 %	1.144353 %	1.208876 %	μ.711945 %	1.625789 % 1.625790 %	0.812894 % 0.812895 %	Unit Participation
.097663 <i>%</i>	•929023 <i>%</i>	1.307832 %	1.381573 %	5.385080 %	3.716091 %	1.858045 %	Total Tract Participation
XLI	XXX	XXX	XXXIII	IVX	XXX		Tract Number

Page 2

TOTALS 8,611.20	T <u>31</u> N, <u>R</u> 5 W Sec. <u>32</u> : NE/4 160.00	Of Lands Of Acres	Description Number
	E 347-28	Number	Serial
	12.5%	Royalty	Basic
12,500000 &	.232256 %	Participation	Unit
	Pacific NW Pipeline 87.5%	Interest*	Working
87.500000 \$	1.625789 %	Participation	Unit
\$000000.001	1.858045 %	Participation	Total Tract
	IAXX	ı Nurber	Tract

Page 3

C45E133

MAIN OFFICE OCC

1957 00T 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 approval of Fourth and Fifth Expansion of the Mesi 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 Dil Conservation Commission approve theabove designated application.

Under copy of this letter and copy of your letter we are transmitting four approved copies to the Oil Concervation 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

PAGEFIC NORTHWEST PIPELINE CORPORATION 1957 007 1 September 30, 1957 Phi 12:59

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

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 District Manager, Land Department

SALT LAKE CITY. UTAH September 27, 1957 SEP 201 AN

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 Mesaverde 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,

BACIFIC NORTHWEST PIPELINE CORPORATION

Claude Van Dyke

Manager, Land Department

CVD:je

Er 🐪

SALT LAKE CITY, UTAH OFFICE OCC

September 4, 1957 1957 SEP 5 FM 1:01 REPLY TO: P. O. BOX 1526 SALT LAKE CITY 10, UTAH

file 13 2

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

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

State of New Mexico Post Office Box 871 Santa Fe, 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,

FACIFIC NORTHWEST PIPELINE CORPORATION

dladde 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 & 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	<u>SIGNATURE</u>
507 East Carolina Ave.	Manuelita Lope
Fruita, Colo.	Manuelita Lopez
Date: May 22, 1957	
•••	
Date:	
Date:	
Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION	Approved and Consented to: PAN AMERICAN PETROLEUM CORPORATION
By: D. Aluhil	By: Mewith
Vice-President Working Interest Owner & Unit Operator	Vice President ATTORNEY-IN-FACT
Date:	
RY	Approved and Consented to: COLORADO OIL & CAS CORPORATION
	BY: Mororum J. P. MORONEY, Vice President
	J. P. MORONEY, VICE President

COUNTY OF MESA)	
COUNTY OF MESA) On this day	of AY 22 100, 195_, before me personally appeared
	NANUKLITA LOPEZ
	person described in and who executed the foregoing instrument SHE executed the same as HER free act and deed.
	F, I have hereunto set my hand and affixed my official seal the ertificate above written.
My Commission Expires:	Albert &. title
Notice Public in and for	Mesa County, Colo. Notary Public Residing at Fruita, Colo.
A Commission expire	s April 27, 1938
STATE OF)	
) County of)	SS
On this	day of , 195 , before me personally appeared
to me known to be the p and acknowledged that IN WITNESS WHEREO day and year in this co	person described in and who executed the foregoing instrumen executed the same as free act and deed. F, I have hereunto set my hand and affixed my official seal the ertificate above written.
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My Commission Expires:

Notary Public

MAIN OFFICE OCC

1957 SED & All 7:49

September 3, 1957

In reply refer to: Unit Division

file 133

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

SALT LAKE CITY, UTAH

August 27, 1957

MAIN OFFICE OCC REPLY TO: P. O. BOX 1526 SALT LAKE CITY 10, UTAH 1957 AUG 20 M 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,

ACIFIC NORTHWEST PIPELINE CORPORATION

le Van Dvke

District Manager, Land Department

CVD:jc

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 Ruth Covert. wife Ka Date: his Jøhnston. UX Itra Geraldine O. Johnston, his wife Date: Approved and Consented to: Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION PAN AMERICAN PETROLEUM CORPORATION APPR BY: BY: Vice-Preside esident ATTORNEY-IN-FACT Working Interest Owner & Unit Operator Working Interest Owner Date: Approved and Consented to: COLORADO OIL & GAS CORPORATION BY: Mice Pres

COUNTY OF CHAVES	5)	
On this 20th	day of <u>May</u>	, 1957, before me personally appeared
J. Scovert and	Ruth K. Covert, husb	and and wife, and S. P. Johnson, Jr. and
Complding O To	obneon bushand and u	d fo
to me known to b and acknowledged	that they execute	ibed in and who executed the foregoing instrume d the same as their free act and deed.
	WHEREOF, I have here this certificate abo	ounto set my hand and affixed my official seal t ove written.
		Cecil Lardenon
My Commission Ex		Notary Public
april 1	21960	
STATE OF)	
COUNTY OF) 85)	
On this	day of	, 195, before me personally appeared
•	· · · ·	
and acknowledged IN WITNESS	that exe WHEREOF, I have here	ocuted the same as free act and deed. Dunto set my hand and affixed my official seal t
and acknowledged IN WITNESS	that exe	ounto set my hand and affixed my official seal t
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C._ CONSERVATION COMMISSIC.

P. O. BOX 871

SANTA FE, NEW MEXICO

August 26, 1957

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

file 133

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

Gentlemen:

This is to advise that the New Mexico Gil 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.

1957 AUG 25 AM 8: August 21, 1957

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

Director United States Geological Survey P. 0. Box 6721 Roswell, New Mexico

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

Oil Conservation Commission State of New Mexico-P. 0. Box 871 Santa Fe, New Mexico

Re: Application for Approval of Fourth and Fifth Expansions of the Mesaverde Participating Area for the Rosa Unit. San Juan and Rio Arriba Counties 10 10 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			Range	5	West	Acres
Section	1 18:	LIA				463.72
			Tutal	L	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:

Township 31 North,	Range 6 West	Acres
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, Mana

R. N. Richey, Manager Land Department

RNR:CVD:	jc
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Enc.

APPROVED:

DATE:____

Supervisor, United States Geological Survey

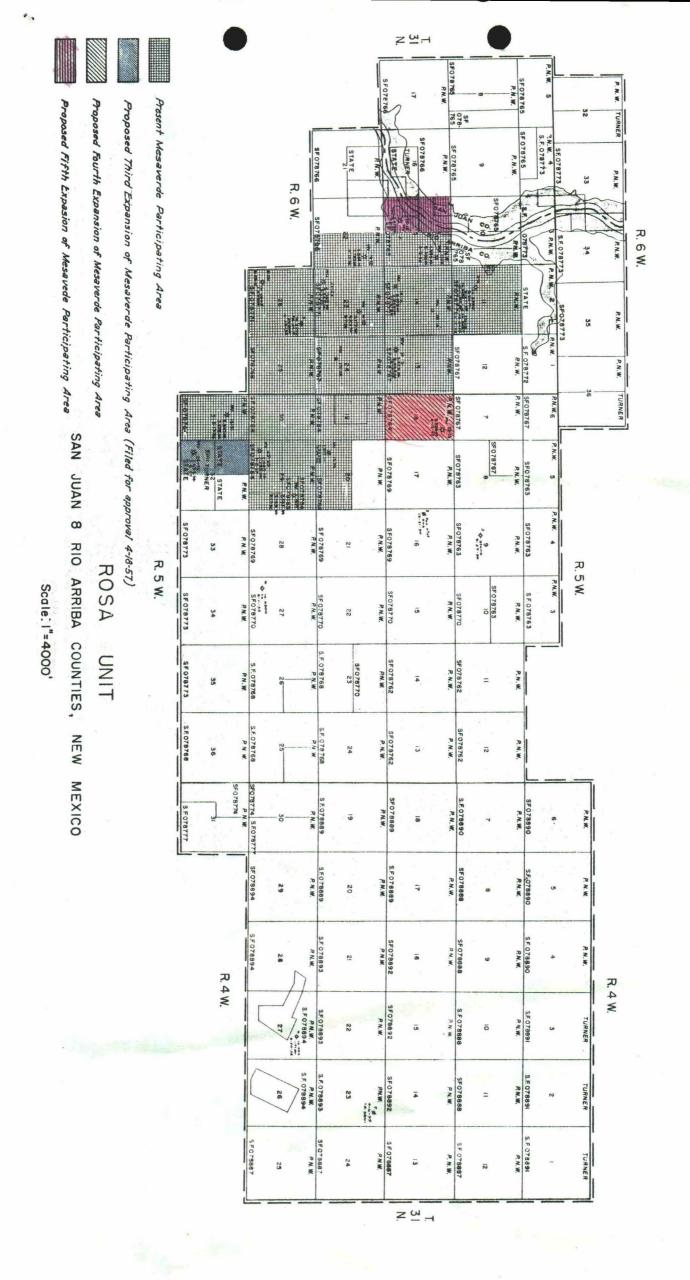
DATE:

Commissioner of Public Lands

Oil Conservation Commission

DATE:

NIG 27 1957



<u>T 31 N, R 5 W</u> Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	$\frac{T 31 N, R 5 W}{Sec \cdot 29: S/2 NE/4}$ $E/2 SE/4$	<u>T 31 N, R 5 W</u> Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4 Sec. 29: N/2 NE/4, SW/4 SE/4 Sec. 29: N/2 NE/4, SW/4, Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.	T 31 N, R 6 W Sec. 22: E/2 Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	<u>T 31 N, R 6 W</u> Sec. 15: E/2	T 31 N, R 6 W 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.	<u>T 31 N, R 6 W</u> Sec. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	Description Of Lands
152.22	320.00	160.00	1723.58	864.48	320.00	1087.20	2560.00	Number Serial Of Acres Number
F E E	FEE	SF 079165	SF 078764	367870 ES.	SF 078765	SF 078767	SF 078771	Serial Number
12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty
.238703 %	•501806 <i>%</i>	.250y03 %	2.702824 %	1.355631 %	.501807 %	1.704887 %	4.014453 %	Unit Participatior
87.5 %	87 •5 %	87.5%	87.5%	87.5%	87.5%	87 . 5 %	Pacific NW Pipeline 87.5%	Working 1 Interest*
1.670922 %	3.512646 %	1.756323 \$	18.j19768 <i>%</i>	\$.1485411 %	3.512645 %	11.934213 %	28.101163 %	Unit Participation
1.909625%	4.014452 %	2.007226 %	21.622592 %	10.845042 %	4.014452 %	13.635100 %	32.115616 %	Total Tract Participation

EXHIBIT "B" SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE

		T 31 N, R 5 W Section 18: All	$\frac{T 3L N, R 5 W}{Section 32:} W/2$	Description Of Lands	
	TOTALS				FOUR
*The percentage is subject to a	.7,971.20	463.72	320.00	Number Of Acres	SCHEDULE OF LANDS SHOWING OWNER FOURTH EXPANDED PARTICIPATING AREA
tage of unit proto all outstand		SF 078764	E-347	Serial Number	EXHIBIT SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & TH EXPANDED PARTICIPATING AREA FOR ROSA UNIT
production alloca		₹°27 %	12.5 %	Basic Royalty	EXHIBIT "B" RSHIP OF OIL & GAS FOR ROSA UNIT, RI
The percentage of unit production allocated to the working interest is subject to all outstanding overriding interest of record against	12,500000 %	.727180 %	• 501806	Unit Participation	"B" GAS RIC
		Pacific North- west Pipeline Corporation 87.5 %	Bi Faso Natural Gas 43.75 % J. Glenn Turner 43.75 %	Working Interest*	INTERESTS WITHIN PROPOSED MESAVERDE ARRIBA & SAN JUAN COUNTIES, NEW ME
owner of each tract the subject lands.	87.500000 %	5.090263 %	1.756323 % er 1.756323 %	Unit Participation	SAVERDE NEW MEXICO
	100.000000 %	5.817443 %	4.014452 %	Total Tract Participation	

					.—		1	
T 31 N, R 5 W Sec. 20: SW/4 Sec. 29: NW/4	T 31 N, R 5 W Sec. 29: S/2 NE/4 E/2 SE/4	<u>T 31 N, R 5 W</u> Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4 Sec. 29: N/2 NE/4, SW/4 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 6 W</u> Sec. 22: E/2 Sec. 25: W/2, W/2 E/2 Lots 1,2,3,4	<u>T 31 N, R 6 W</u> Sec. 15: E/2	<u>T 31 N, R 6 W</u> Sec. <u>13:</u> W/2, W/2 E/2 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. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	Description Of Lands	SC FIFTH
320.00	160.00	1723.58	864.48	320.00	1087.20	2560.00	Number Of Acres	HEDULE OF EXPANDED
FEE	SF 079165	SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	LANDS SHOWING OWNERSHIP PARTICIPATING AREA FOR 1
12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty	EXHIBIT "B" SHIP OF OIL & GAS FOR ROSA UNIT, RI
-482463 %	·241232 %	2.598637 %	1.303374 %	.482462 %	1.639168 %	3.859704 %	Unit Participation	"B" GAS INTERESTS RIO ARRIBA &
87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	WITHIN PROPOSED MESAVERDE SAN JUAN COUNTIES, NEW ME
3.377242 %	1.688620 %	18.190455 %	9.123518 %	3.377243 %	11.474179 %	27.017933 %	Unit Participation	MESAVERDE S, NEW MEXICO
3.859705 %	1.929852 %	20.789092 %	10.426992 %	3.859705 %	13.113347 ø	30.877637 %	Total Tract Participation	
	31 N, R 5 W Sec. 20: SW/4 Sec. 29: NW/4 320.00 FEE 12.5% .482463 % 87.5% 3.377242 %	$\frac{31 \text{ M}, \text{ R} 5 \text{ W}}{\text{Sec. 29: S/2 NE/4}} 160.00 \text{ SF 079165} 12.5\% .241232 \% 87.5\% 1.688620 \% 1.929852$ $\frac{31 \text{ N}, \text{ R} 5 \text{ W}}{\text{Sec. 20: SW/4}} 320.00 \text{ FEE} 12.5\% .482463 \% 87.5\% 3.377242 \% 3.859705$	31 M, R 5 W 1723.58 SF 078764 12.5% 2.598637 g 87.5% 18.190455 g Sec. 19: E/2, E/1, SW/H SE/H IIII SE/H SF 078764 12.5% 2.598637 g 87.5% 18.190455 g Sec. 29: NK/H SE/H SE/H SF 079165 12.5% 2.598637 g 87.5% 18.190455 g Sec. 29: N/R 5 W W/2 SE/H SF 079165 12.5% 2.598637 g 87.5% 1.688620 g 31 M, R 5 W 12.5 S Iots 1,2,3,4; 160.00 SF 079165 12.5% .241232 g 87.5% 1.688620 g 31 N, R 5 W E/2 SE/H 160.00 SF 079165 12.5% .241232 g 87.5% 1.688620 g Sec. 29: SW/H 100.00 SF 079165 12.5% .241232 g 87.5% 1.688620 g 31 N, R 5 W 320.00 FEE 12.5% .482463 g 87.5% 3.377242 g	31 N, R 6 W SF 078766 12.5% 1.303374 % 87.5% 9.123618 % Sec. 22: W/2, W/2, W/2, S/4 Intes 1,2,3,4 1723.58 SF 078764 12.5% 1.303374 % 87.5% 9.123618 % 31 N, R 5 W IE/L, SW/4, SE/4 SF 078764 12.5% 2.598637 % 87.5% 9.123618 % 18.190455 % Sec. 20: SE/4 SE/4 1723.58 SF 078764 12.5% 2.598637 % 87.5% 18.190455 % Sec. 30: SE/2, Intes 1,2,3,4, SE 079165 12.5% 2.598637 % 87.5% 18.190455 % Sec. 20: N/A 5 W SE/2, SE/4 SE 079165 12.5% 2.598637 % 87.5% 16.000 % Sec. 20: Se/4 Sec. 20: Se/4 Sec. 20: N/A 5 1.6688620 % 1.6688620 % Sec. 20: SW/4 S20.00 FEE 12.5% .462463 % 87.5% 3.377242 %	31 M, R 6 W 30.00 SF 078765 12.5% .482462 % 87.5% 3.377243 % 31 N, R 6 W Sec. 15: F/2 K 864.48 SF 078766 12.5% 1.303374 % 87.5% 3.377243 % Sec. 25: F/2 K Lots 1,2,3,4 1013374 87.5% 1.303374 % 87.5% 9.123618 % 31 M, R 5 W Lots 1,2,3,4 1723.58 SF 078764 12.5% 1.303374 % 87.5% 9.123618 % Sec. 19: F/2 K/2, W/4, SE/4 SE 078764 12.5% 1.303374 % 87.5% 9.123618 % Sec. 20: SE/4 SE/4, SE/4, SE/4 1723.58 SF 078764 12.5% 2.598637 % 87.5% 18.100455 % Sec. 29: N/2 NE/4, SE/4 SE/2 SE/4 1723.58 SF 079165 12.5% 2.598637 % 87.5% 18.100455 % Sec. 29: N/2 NE/4, SE/4 SE 0.000 SF 079165 12.5% 2.598637 % 87.5% 18.100455 % Sec. 29: SE/4 160.000 SF 079165 12.5% .241232 % 87.5% 1.668620 % Sec. 29: N/4, Sec. 29: N/4 320.00 FEE <td< td=""><td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td><td>JI. N. R. 6 W Sec. 21: Sec. 22: Sec. 22: Se</td><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td></td<>	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	JI. N. R. 6 W Sec. 21: Sec. 22: Sec. 22: Se	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $

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	<u>T 31 N, R 6 W</u> Section 15:	<u>T 31 N, R 5 W</u> Section 18:	<u>T 31 N, R 5 W</u> Section 32:	Description Of Lands			
TOTALS	8.41 acres out of S/2 S/2 SW/4 SW/4	Tract #39	Tract #38	Lots 1 and 2, $E/2 SW/4$	All	W/2	
8,290,79	14.8 14.8	80.00	112.21	118.97	463,72	320.00	Number Of Acres
	E- 289	Рее	₽e	SF 078765	SF 078764	E347	Serial Number
	12.5 %	12°2 %	12.5 %	12.5 %	12.5 %	12.5 %	Basic Royalty
12.500000 %	.012680 %	.120616 %	° 169119 %	.179371 %	.699149 %	•482463 <i>%</i>	Unit Participation
	Pacific North- west Pipeline Corporation 87.5 %	El Paso Natural Gas 43.75 % J. Glenn Turner 43.75 %	*				
87.500000 %	.088757 %	.844310 %	1.184250 %	1.255595 %	4.894045 %	1.688621 % 1.688621 %	Unit Participation
100.000000 %	.101437 %	.964926 %	1.353429 %	1.434966 %	5·593194 %	3.859705 %	Total Tract Participation

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

*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.

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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



DIL CONSERVATION COMMISSION P. D. BOX 871 SANTA FE, NEW MEXICO

August 26, 1957

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

file 130

Attention: Mr. R. N. Richey

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.

Re :

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

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 1957 Secretary-Director

NEW MEXICO OIL CONSERVATION COMMISSION

RNR:CVD:jc

Very truly yours,

PACIFIC NORTHWEST RIPELINE CORPORATION

un R. N. Richey, Manage

Land Department

SALT LAKE CITY. UTAH

August 21, 1957

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

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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. J. Box 871 Santa Fe, New Mexico Re: Application for Approval of Fourth and Fifth Expansions of the Mesaverde Participating Area for the Rosa Unit. San Juan and Rio Arriba Counties New Mexico

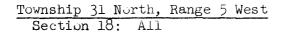
Acres

463.72

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:



Total Acres

The lands to be included in the Fifth Expansion of the Mesaverde Perticipating 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:

Township 31 No	orth, Range 6 West	Acres
Section 15:		320.00
	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

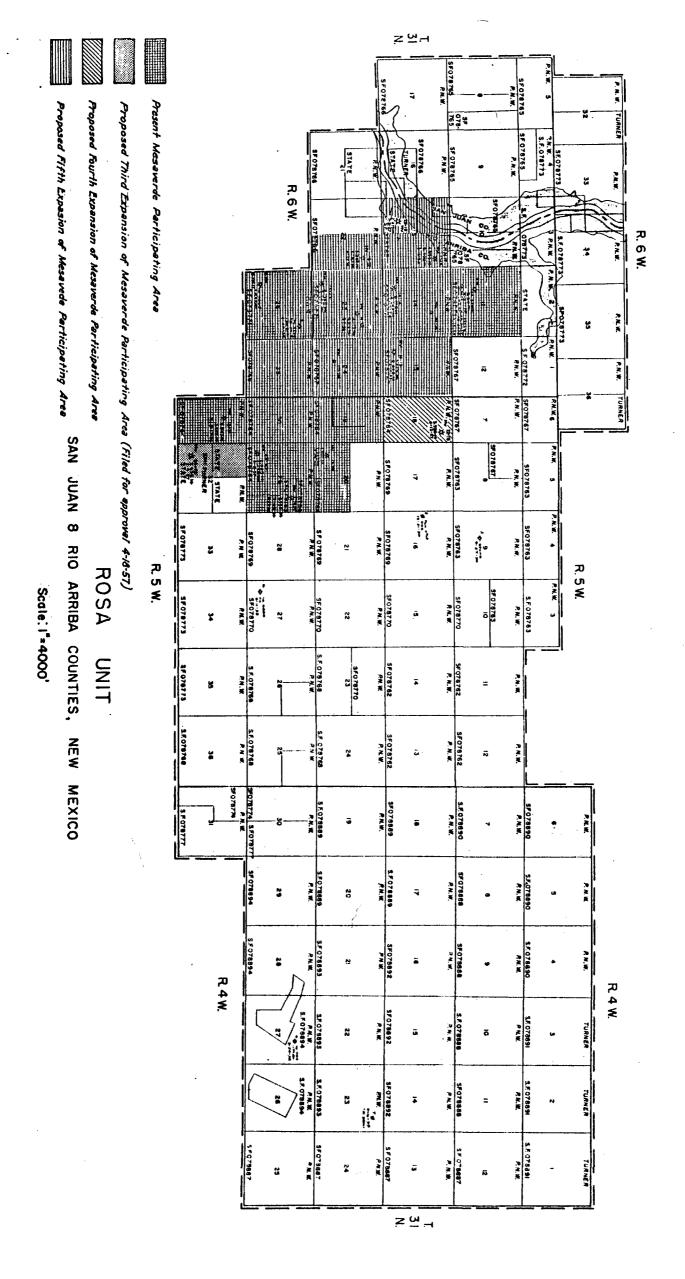
R. N. Richey, Manager

Land Department

RNR:CVD	:jc		
Enc.			
APPROVEI		DATE:_	
Wenny .	Director United States Geological Surve	-	Deptember 3, 1957
	Oil Conservation Commission	DATE:_	2 21 KSM
	THIS APPROVAL CRANTED SUBJECT TO LIKE APPROVAL BLING GRANTED BY THE UNITED STATES GEOLOGICAL		

SURVEY AND BY THE COMMISSIONER OF PUBLIC LANDS

OF THE STATE OF NEW MEXICO



T <u>31 N, R 5 W</u> Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	<u>T 31 N, R 5 W</u> Sec. 29: S/2 NE/4 E/2 SE/4	<u>T 31 N, R 5 W</u> Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4 Sec. 29: N/2 NE/4, SW/4 SE/4 Sec. 29: N/2 NE/4, SW/4, Sec. 30: E/2, Lots 1,2,3,4, Sec. 31: E/2, Lots 1,2,3,4.	<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	<u>T 31 N, R 6 W</u> Sec. 15: E/2	<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.	T 31 N, R 6 W Sec. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	Description Of Lands	S FOURT
152.22	320.00	160.00	1723.58	864.48	320.00	1087.20	2560.00	Number Of Acres	SCHEDULE OF LANDS SHOWING FOURTH EXPANDED PARTICIPATING
FEE	FEE	SF 079165	SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	
12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty	EXHIBIT "B" OWNERSHIP OF OIL & GAS AREA FOR ROSA UNIT, RI
.238703 %	.501806 %	. 250y03 %	2.702824 %	1.355631 %	• 708107 %	1.704887 %	4.014453 %	Unit Participation	INTERESTS O ARRIBA &
87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	WITHIN FROPOSED MESAVERDE SAN JUAN COUNTIES, NEW MEXICO
1.670922 🖋	3.512646 %	1.756323 %	18.y19768 <i>%</i>	9.114894.12	3.512645 %	11.934213 %	28.101163 \$	Unit Participation	MESAVERDE S, NEW MEXICO
1.909625 %	4.014452 %	2.007226 %	21.622552 %	10.8 45042 %	4.014452 %	13.639100 %	32.115616 %	Total Tract Participation	WM 12/2
XIX	XX	IXX	XVIII	XXXIX	XXXIII	XIV	IIAXXX	Tract Number	

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

Page 2

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<u>T 31 N, R 5 W</u> Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	<u>T 31 N, R 5 W</u> Sec. 29: S/2 NE/4 E/2 SE/4	<u>T 31 N, R 5 W</u> Sec. 19: E/2 E/2, NW/4 Sec. 20: SE/4, SW/4 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 4, B 6 W</u> Sec. 22: E/2 Sec. 25: 4/2, W/2 E/2 Lots 1,2,3,4	<u>T 31 N, R 6 W</u> Sec. 15: E/2	<u>T 31 N, R 6 W</u> Sec. <u>13:</u> W/2, W/2 E/2 Lots 1,2,3, ¹ , Sec. 24: W/2, W/2 E/2 Lots 1,2,3, ¹ .	T <u>31</u> N, R <u>6</u> W Sec. <u>11:</u> All Sec. <u>14:</u> All Sec. 23: All Sec. 26: All	Description Of Lands	SC FIFTH
152.22	320.00	160.00	1723.58	864.143	320.00	1087.20	2560.00	Number Of Acres	CHEDULE OF LAN EXPANDED PAR
FEE	FEE	SF 079165	SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	EX SCHEDULE OF LANDS SHOWING OWNERSHIP OF TH EXPANDED PARTICIPATING AREA FOR ROS!
12.5%	12.5%	12,5%	12.5%	15 · 24	12.5%	12.5%	12.5%	Basic Rcyalty	CHIBIT OIL & VUNIT
•229490 %	.482439 <i>%</i>	,241220 %	2.598508 %	l.303310 %	.482439 %	1.639087 %	3.859514 %	Unit Participation	INTERESTS O ARRIBA &
87.5%	87.5%	87.5%	87.5%	87.5%	8 7 - 5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	WITHIN PROPOSED MESAVERDE SAN JUAN COUNTIES, NEW ME
1.606432 %	3.377075 %	1.688537 %	18.189556 %	9+123167 %	3.377075 %	11.473611 %	27.016595 %	Unit Participation	TESAVERDE
1.835922 %	3.859514 %	1. 929757 ¢	20.788064 %	10.426477 💈	3.859514 %	13.112698 🚀	30.876109 %	Total Tract Participation	
XIX	XX	TXX	XVIII		XXXIII	XIV	XCLVII	Tract Number	

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	SCHEDULE OF FIFTH EXPANDED	LE OF LANDS SHOWING	OWNERSHIP AREA FOR F	"B" GAS I RIO	INTERESTS WITHIN PROPOSED ME ARRIBA & SAN JUAN COUNTIES,	WITHIN PROPOSED MESAVERDE SAN JUAN COUNTIES, NEW MEXICO	2/5/38 Mar	
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%	·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	160.00	E-347	12.5%	.241220 %	El Paso Natural Gas 43.75 % J.Glenn Turner 43.75%	0.8444268 % 0.8444268 %	1.929756 %	IIAXX
<u>T 31 N, R 5 W</u> Section 18: All	463.72	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 3 and 2, E/2 SW/4	76•811 الم الم	SF 078765	12.5%	.179362 %	Pacific North- west Pipeline Corporation 87.5 %	1.255533 %	1.434895 %	TIXXX
<u>T 31 N, R 6 W</u> Section 15: Tract #38	112.62	F ee	12.5%	.169788 %	Pacific North- west Pipeline Corporation 87.5%	1.188520 %	1.358308 %	XXXXI
<u>T 31 N, R 6 W</u> Section 15: Tract #39	80.00	г е е	12.5%	.120610 %	Pacific North- west Pipeline Corporation 87.5%	.8141268 %	.964878 %	XXXXIII
T 31 N, R 6 W Section 15: 8.41 ac out of \$/2 SW/	8.41 1 acres 0 of S/2 2 SW/4 SW/4	E-289	12.5%	.012678 %	Pacific North- west Pipeline Corporation 87.5%	.088755 %	.101433 %	XTII
TOTAL 8,291.20 12.500000 *The percentage of unit production allocated to the working interest owner of	8,291.20 It production al	located to the	working intere	12.500000 % st owner of each	% each tract is subject .	87.500000 % 100.0000000 ½ subject to all outstanding overriding interest	100.000000 $\#$ erriding interest of	f record
against the subject lands.	lands .			ו גט ו				

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against the subject lands. ו גי ו

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-3LN, 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-3LN, 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

MAIN OFFICE OCC, August 6, 1957 1957 AUG 8 All 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 Filed

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

ande Dan Dyke ude Van Dyke

District Manager, Land Department

CVD:jc

SALT LAKE CITY. UTAH July 29, 1957

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

13

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:

1957 NUS 22 IN S: A3 MAR OFFICE CCC

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.

Rosa Unit July 29, 1957

COMPLETION METHOD:

Perforated 5 1/2" casing. Aqua-fraced (water only) to Menefee intervals from 5518' to5544' and Point Lookout intervals from 5678' to 5760'.

TUBING:

2 3/8" hung at 5742.90'

COMPLETION TEST DATA

DATE:

June 19, 1957

7 days

SHUT-IN-PERIOD:

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, CAOF.

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

ude. yke de Van Dyke

District Manager, Land Department

CVD:jc

SALT LAKE CITY. UTAH July 22, 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: Rosa Unit Consent Copy Jose Manuel Lopez San Juan and Rio Arriba Counties, New Mexico

rile 12º

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 <u>Rose</u> Unit Area, <u>Rio Arriba</u>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.

JOSE MANUEL LOPEZ, by ALBUQUERQUE NATIONAL a corporation. BANK. <u>s</u>. Date: June 1957 Caephel Bv: -----ATTEST: Guardian of the estate of Jose Manuel Lopez AFPROVED: District Judge Date: Date: Approved and Consented to: Approved and Consented to: APPROVED PAN AMERICAN FERROLEUM CORPORATION OLORADO CORPORATION By: И 620 ATTORNEY-IN-FAG Presiden Working Interest Owner Working Interest Owner Date: Date: 7-18-5 114C Approved and Consented to: Attest for: PACIFIC NORSHWEST PIPELINE APPROVED PAN AMERICAN PETROLEUM CORPORATION ORPORATION By: Vice-President -By LEGAL DEPT Assistant Unit Operator and Working Interest Owner Secretary Date: Date: - Truck

ADDRESS

SIGNATURE

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COUNTY OF)								
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Birows AE, a Sotary Public in and for said county and state, on this day personally appeared <u>Join A. 1988</u>, shown to me to be the person whose name is subscribed to the Lorsgoing instrument, and acknowledged to as that he executed the same as the act and deed of <u>in Aperioan Folgaleum Serperation</u>, a componation, and as the Attorneyin full, and for the purposes and consideration therein expressed.

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UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY P. 0. Box 6721 Reswell, New Mexico

June 25, 1957

M. 27

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 Maxico, have been approved on this date subject to the approval by the appropriate officials of the State of New Maxico.

One approved sopy of the plan is returned herewith.

Very truly yours,

(Orig. Sgd.) JOHN A. ANDERSON

JOHN A. ANDERSON Regional Oil and Gas Supervisor

Copy to: Mash. w/copy of plan

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

DIL CONSERVATION COMMISSION P. C. BOX 871 SANTA FE, NEW MEXICO

June 20, 1957

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

(,101,7)

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

SALT LAKE CITY, UTAH

June 14, 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

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

Gentlemen:

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

File 1

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.

Area of the Rosa Unit. 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 Lards 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 Farticipating 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 DIPELINE CORPORATION

lande ban Dyke

Claude Van Dyke District Manager, Land Department

OVD:jc

F.1. 13;

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 <u>NOTICE OF COMPLETION OF ADDITIONAL</u> 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:

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'

5935'

Rosa Unit June 13, 1957

COMPLETION TEST DATA

DATE:

7 days

May 2, 1957

FINAL SHUT-IN-PRESSURES:

SHUT-IN-PERIOD:

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

ھ ude Van Dyke

District Manager, Land Department

CVD:jc

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:

F.1. 132

· · .

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,

ACIFIC NORTHWEST PIPELINE CORPORATION

Lande Vin 2 ude 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 & Kounty, 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
Wichita Falls, Texas Date: March 9, 1957.	Rocas M. Comoque Mrs. W. B. Comegys
Date:	
 Date:	APPROVED
Approved and Consented to: COLORADO dIL Consented to: By: Vice President Working Interest Owner	Approved and Consented to:
Date:Approved and Consented to: PACIFIC NORTHWEST PIPE CORPORATION By: Vice President Working Interest Owner & Unit Operator Date:	RR

On this 9th day of March	, 195 7, before me personally appeared
W. B. Comegy	s and wife, Dorcas M. Comegys
to me known to be the person S des	cribed in and who executed the foregoing instrument,
	ted the same as their free act and deed.
IN WITNESS WHEREOF, I have he day and year in this certificate a	preunto set my hand and affixed my official seal the bove written.
My Commission Expires:	Nean B. Thompson
June 1, 1958	Notary Public Wichita County, Texas
June 1, 1958	wienita Obunty, Texab
	·
STATE OF)	
) ss	
COUNTY OF)	
On this day of	, 195, before me personally appeared
and acknowledged that e	executed the same as free act and deed.
acknowledged thate e	executed the same as free act and deed. ereunto set my hand and affixed my official seal the
acknowledged that e IN WITNESS WHEREOF, I have he day and year in this certificate a	executed the same as free act and deed. ereunto set my hand and affixed my official seal the above written.
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end acknowledged that e IN WITNESS WHEREOF, I have he day and year in this certificate a Wy Commission Expires:	executed the same as free act and deed. ereunto set my hand and affixed my official seal the above written.
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<pre>end acknowledged that e IN WITNESS WHEREOF, I have he day and year in this certificate a Wy Commission Expires: STATE OF) SS COUNTY OF) </pre>	executed the same as free act and deed. ereunto set my hand and affixed my official seal the above written.
<pre>end acknowledged that e IN WITNESS WHEREOF, I have he day and year in this certificate a Wy Commission Expires: STATE OF) SS COUNTY OF) </pre>	executed the same as free act and deed. ereunto set my hand and affixed my official seal the above written.
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<pre>end acknowledged that e IN WITNESS WHEREOF, I have he day and year in this certificate a Wy Commission Expires: STATE OF</pre>	<pre></pre>
<pre>and acknowledged that e IN WITNESS WHEREOF, I have he day and year in this certificate a My Commission Expires; STATE OF) SS COUNTY OF) On this day of to me known to be the person des and acknowledged that des</pre>	

CONSENT

In consideration of the execution of the Unit Agreement for the development Unit Area, San Juan &/ County, New Mexico, and operation of the San Juan Rosa 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. Courans
Wichita Falls, Texas	W. B. Comegys
Date: March 9, 1957.	Docean M. Comegys
Date:	
Date:	APPROVED
Approved and Consented to: COLORADO OIL AND CAS GORPORATION	Approved and Consented to:
By: D & Horoun	By: Maint
Vice President Working Interest Owner	Vice President ATTORNEY-IN-FACT Working Interest Owner
Date:	
Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION	
By: When President	Frick
Working Interest Owner & Unit Operator Date:	

On this Oth day of March	, 195 <u>7</u> , before me personally appeared
W. B. Comeg	ys and Dorcas M. Comegys
to me known to be the person s descr	ibed in and who executed the foregoing instr
and acknowledged that they execute	d the same as their free act and deed.
IN WITNESS WHEREOF, I have here day and year in this certificate abo	unto set my hand and affixed my official sea
day and year in this certificate abo	ve wiltten.
My Commission Expires:	Notary Public
June 1, 1958	Wichita County, Texas
	,
STATE OF)	
) SS COUNTY OF)	
On this day of	, 195, before me personally appeared
acknowledged that exe	ribed in and who executed the foregoing inst cuted the same as free act and deed
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and acknowledged that exe IN WITNESS WHEREOF, I have here day and year in this certificate abo	cuted the same as free act and deed unto set my hand and affixed my official sea ve written.
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<pre>snd acknowledged that exe</pre>	cuted the same as free act and deed unto set my hand and affixed my official sea ve written.
<pre>snd acknowledged that exe</pre>	cuted the same as free act and deed unto set my hand and affixed my official sea ve written.
<pre>end acknowledged that exe IN WITNESS WHEREOF, I have here day and year in this certificate abo My Commission Expires:</pre>	cuted the same as free act and deed unto set my hand and affixed my official sea ve written.

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FORM 829 2.57

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: RCH-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,

Ev. Henrick

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

*Pauline S. McNaughton 1423 Madison Street Oakland, California

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

Nilaco Company 1107 Mercantile Securities Building Dallas 1, Texas

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

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

Paul T. Purcell Box 317 Manhattan Beach, California

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

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

H. K. Riddle Box 129 Payette, Idaho

* Members of Pictured Cliffs Participating Area Otto Schindler Box 449 Schenectady, New York

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

- *Glenn J. Smith First National Building Tulsa, Oklahoma
- *Southern Union Gas Company
 Burt Building
 Dallas, Texas
 Attention: D. W. Whitlow

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

Summit Oil Company Burt Building Dallas, Texas

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

Arthur W. Sunter 2210 Tenth Street Berkeley, California

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

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

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

Robb Woods 501 W. Grand River Street Clinton, Missouri

May 1, 1957

In reply refer to: Unit Division

.

F.k. 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

Genulemen:

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: OSC-Santa Fe USGS-Roswell

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

F. le 133

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

ande blen D adde 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 and 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 such obligations to the undersigned saisting under such loases or other contracte lass ------Acane.

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, sideward in fear Joan and His Arribe Counties, State of Her Mexico, to wit:

Track Ho . 20 An Southann 15 and 16. Township 31 Morth, Sampe & South, M-M.P.H. (Memoring personned on the Southanet Constant of the Earthwest Constant (S2/a MM/a) and the South Malf of the Portheest Constant (S/2 MM/b) and the Northeest Constant of the Northwest Constant (MM/b MM/b) of Southem 16, Township 31 North, Range 6 Nort, T.H.J.H.) and containing 160 serue, more of least Meterial State (S2/A MM/b) of Southem 16, Township 31 North, Range 6

NEELA CONDERATION - as undyid Secretary President Dates dell Date: Date: Approved and Consented to: Approved and Consented to: APPROVE CORPORATION COLORADO PAN AMERIC By: Vlice Président esident ATTORNEY-IN-FACT Working Inverest Worl Interest Owne Owner

Date: Approved and Consented to: CORBORATION PACIERC NOR LEST PIPELIN Vice Pr Working Interest Owner & Unit Operator Date: Upril 195 10

COUNTY OF) SS)	
On this	_ day of, 1	95, before me personally appeared
and acknowledged 1	that executed t	d in and who executed the foregoing instrumer he same as free act and deed. to set my hand and affixed my official seal th
	his certificate above	
My Commission Exp	lres:	Notary Public
STATE OF	(G+ (高麗)(新聞)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)	алаанын артыртарлыг багардагдагдагдагдагдагдагдагдагдагдагдагдагд
COUNTY OF) SS)	
On this	day of	, 195, before me personally appeared
IN WITNESS WE	that execut	ed in and who executed the foregoing instrume and the same as free act and deed. so set my hand and affixed my official seal the written.
and acknowledged 1 IN WITNESS W	that execut HEREOF, I have hereunt his certificate above	ed the same as free act and deed. to set my hand and affixed my official seal the written.
and acknowledged to IN WITNESS WE day and year in th	that execut HEREOF, I have hereunt his certificate above	ed the same as free act and deed.
and acknowledged to IN WITNESS WE day and year in th	that execut HEREOF, I have hereunt his certificate above	ed the same as free act and deed. to set my hand and affixed my official seal the written.
and acknowledged to IN WITNESS WH day and year in th My Commission Expi STATE OF COUNTY OF	<pre>that execut HEREOF, I have hereunt his certificate above ires:)) SS)</pre>	ed the same as free act and deed. to set my hand and affixed my official seal the written.
and acknowledged to IN WITNESS WH day and year in th My Commission Expi STATE OF COUNTY OF	<pre>that execut HEREOF, I have hereunt his certificate above ires:)) SS)</pre>	ed the same as free act and deed. to set my hand and affixed my official seal the written.
and acknowledged to IN WITNESS WE day and year in th My Commission Expinent STATE OF COUNTY OF On this to me known to be	that execut HEREOF, I have hereunt his certificate above lires: 	ed the same as free act and deed. to set my hand and affixed my official seal the written.

My Commission Expires:

Notary Public

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STR OF ANTONA

OWNER OF HARICORA

On this ich day of February, A.R. One Thousand Hime Hamired and Fifty-seven, before an personally appeared Theo. S. Septh, Jr., to an personally known who being by no dely evens, did say that he is the Freeddent of Breekhaven Gil Company and that the seal affined to and instrument is the corporate seal of and corporation, and that each instrument was signed and sealed in beneif of anid ecoporation by authority of its Beard of Harmonary, and and Theo. B. Seatt, Jr. admonibely each instrument to be free act and deed of anid corporation.

IN MITTING WINNING, I have bereasto set up hand and affined up official seal on this, the day and your last above written.

0 inter

Ny Consideration o spinor March 29, 1960.

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STATE OF ABLEONA 33.

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On this it's day of February, A.B. One Thousand Hime Endred and Fifty-ovven, before no personally appeared Themes B. Sooth, dr., to an personally known who being by no dely every, did way that he in the Provident of Descent Corporation and that the seal affined to said instrument is the emperate soll of and corporation, and that sold instrument was signed and setled in behalf of said corporation by anthority of its Board of Directory, and said Teams R. Spott, Jr. anthousand suid instrument to be free act and dood of anid corporation.

IN WITHERS WHENEV, I have servente set my hand and affixed my official seal on this, the day and year last shows written.

2 2388

T Countinsion supierus Harola 19, 1960.

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

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 133

Re: Application for Approval of Third 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 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 $\frac{#24-32}{2}$, 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:

Township	31	Nor	th,	Range	5	West	Acres
Section	n 32	2:	W/2				320.00
				Total	A	eres	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.

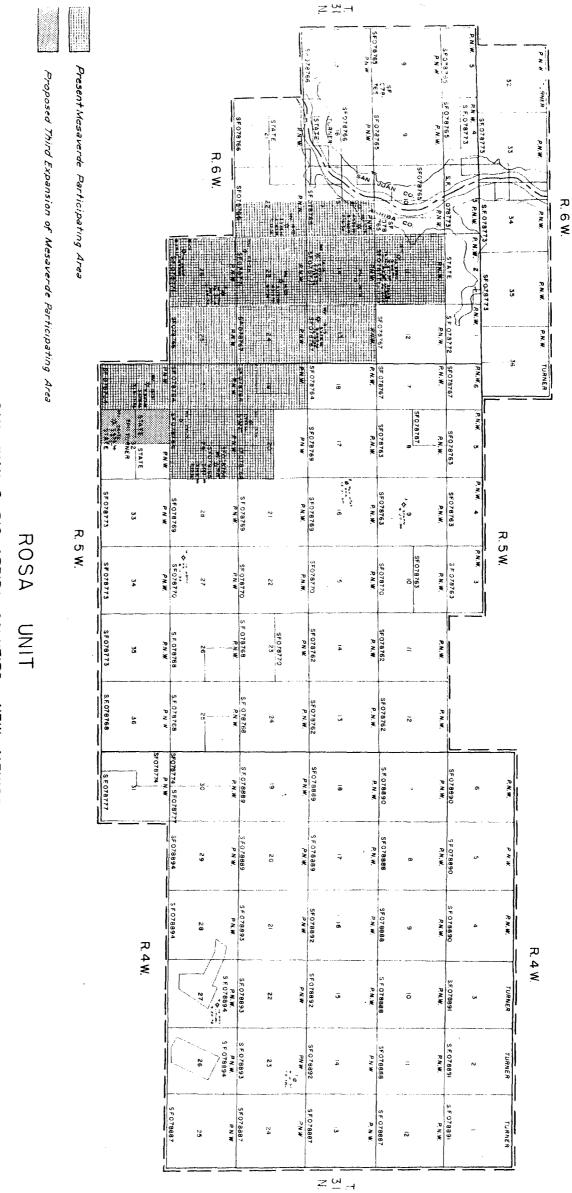
Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

R. N. Richey, Managy Land Department

RNR:CVD:mdc Enclosures

APPROVED:		DATE:	
	Supervisor, United States Geological	Survey	
		DATE:	
	Commissioner of Public Lands/		
	41- Larter	DATE:	June 20, 1971
	Oil Conservation Commission		



SAN JUAN & RIO ARRIBA COUNTIES, NEW MEXICO

								п	
<u>T 31 N, R 5 W</u> Sec. 19: Lots 2,3, SW/4 NE/4, NW/4 SE/4	<u>T 31 N, R 5 W</u> Sec. 20: SW/4 Sec. 29: NW/4	$\frac{T 31 N, R 5 W}{Sec. 29: S/2 NE/4}$ $E/2 SE/4$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<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	<u>T 31 N, R 6 W</u> Sec. 15: E/2	T 31 N, R 6 W 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.	<u>T 31 N, R 6 W</u> Sec. 11: All Sec. 14: All Sec. 23: All Sec. 26: All	Description Of Lands	THER
152.22	320.00	160.00	1723.58	864.48	320.00	1087.20	2560.00	Number Of Acres	D EXPANDED PAR
FEE	PEE	SF 079165	SF 078764	SF 078766	SF 078765	SF 078767	SF 078771	Serial Number	THIRD EXPANDED PARTICIPATING AREA FOR ROSA UNIT,
12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	Basic Royalty	OR ROSA UNIT,
•253447%	•532802¢	.266401%	2.869771%	1.439365%	.532802%	1.810195%	4.262416%	Unit Participation	, RIO ARRIBA & SAN
87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	Pacific NW Pipeline 87.5%	Working Interest*	N JUAN COUNTIES,
1.774131%	3.729613%	1.864807%	20.088399%	10.075551%	3.729614%	12.671362	29.836909%	Unit Participation	, NEW MEXICO
2.027578%	h°565H12%	2.131208%	22.958170%	11.514916%	4.262416%	14.481557%	34.099325%	Total Tract Participation	

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

	T <u>31 N, R 5 W</u> , Sec. <u>32</u> : W/2	Description Of Lands	
TOTALS			
7,507.48	320.00	Number Of Acres	SCHEDULE OF LAN RD EXPANDED PAR
	E-347	Serial Number	DS SHOWING OWNE TICIPATING AREA
	12.5%	B as ic Ro ya lty	EXHIBIT "B" RSHIP OF OIL & GAS FOR ROSA UNIT, RI
12.500000%	•532801%	Unit Participation	EXHIBIT "B" SCHEDULE OF LANDS SHOWING OWNERSHIP OF OIL & GAS INTERESTS WITHIN PROPOSED MESAVERDE THIRD EXPANDED PARTICIPATING AREA FOR ROSA UNIT, RIO ARRIBA & SAN JUAN COUNTIES, NEW MEXICO
	El Paso Natural Gas 43.75% J. Glenn Turner 43.75%	Working Interest*	THIN PROPOSED MI
87.500000%	1.864807% r 1.864807%	Unit Participation	SAVERDE , NEW MEXICO
100.00000%	4.262415%	Total Tract Participation	

*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"

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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.



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

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... v - CD

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:

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Re: Notice of Approval - First and Second Expansions of <u>Mesaverde</u> Participating Area Rosa Unit 1-Sec. 587 <u>San Juan</u> and Rio Arriba Counties, <u>New Mexico</u>

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

District Manager, Land Department

CVD:mdc

cc: Working Interest Owners Rosa Unit

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 13, 1957

Re:

Consents - Rosa Unit

New Mexico

San Juan and Rio Arriba Counties,

O. BOX 1526

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

133

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:

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

1/16	of 12 1/2 1/2 1/2 1/2 1/2 1/2	Dee Forehand
14/96	of 125%	R. E. Beamon
7/96	of 125%	Alma Mae Beamon
3/512	of 123%	Ralph A. Johnston
	of 121%	
	of 125%	
- 1	_ ·	Trustee for Eula May Johnston and Mary Louise Brown
		under Trust Indenture of December 20, 1955.
3/512	of 121%	V. A. Johnston
	of 125%	Mrs. Willie Johnston
1/512	of 121%	Lillie Leona Rogers
1/512	of 121%	Orville Curtis Rogers
1/512	of 121%	Veva Jean Gibbard
	of 121%	C. H. Nye
	of 12 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 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,

NORTHWEST PIPELINE CORPORATION PACIFIC dus Donald L. Anderson

District Manager, Land Department

DLA:mdc Encls.

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan 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.	Anyr	
Farmington, New Mexico	Sinda Dye	
Date: January 7, 1957		
Date:		
Date:	······································	F
Approved and Consented to: COLORADO OLLAND DAS CORPORATION	Approved and Consented to: STANOLIND OIL AND GAS COMPANY	APPROVED
By: Morone	By cant under	18 12
Vice President O Working Interest Owner	Vice President Working Interest Owner	
Date:		
Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION By:	H. 11 -	
Vice President Working Interest Owner & Unit Operat	tor APPROVED	
Date:	AS TO FORM	

LEGAL DEPT

- · · · · · · · · · · · · · · · · · · ·	
On this	a day of <u>January</u> , 1957, before me personally appeared
	C. H. Nye and Linda Nye, his wife,
to me known to and acknowledge	be the persons described in and who executed the foregoing instrument d that they executed the same as their free act and deed.
	WHEREOF, I have hereunto set my hand and affixed my official seal the this certificate above written.
My Commission E	xpires: <u>Acd S. Aledauder</u> Notary Public
November 9	Notary Public
STATE OF)
COUNTY OF) SS)
On this	day of, 195, before me personally appeared
	·
and acknowledge IN WITNESS	d that executed the same as free act and deed.
and acknowledge IN WITNESS day and year in	WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written.
and acknowledge IN WITNESS	d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written.
and acknowledge IN WITNESS day and year in	d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written.
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and acknowledge IN WITNESS day and year in My Commission E 	d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written.
and acknowledge IN WITNESS day and year in My Commission E 	d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written. xpires:
and acknowledge IN WITNESS day and year in My Commission E STATE OF COUNTY OF	<pre>d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written. xpires:</pre>
and acknowledge IN WITNESS day and year in My Commission E STATE OF COUNTY OF On this to me known to	<pre>d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written. xpires:</pre>
and acknowledge IN WITNESS day and year in My Commission E STATE OF COUNTY OF On this to me known to and acknowledge IN WITNESS	<pre>d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal this certificate above written. xpires:</pre>
and acknowledge IN WITNESS day and year in My Commission E STATE OF COUNTY OF On this to me known to and acknowledge IN WITNESS day and year in	<pre>d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal to this certificate above written. xpires:</pre>
and acknowledge IN WITNESS day and year in My Commission E STATE OF COUNTY OF On this to me known to and acknowledge IN WITNESS	<pre>d that executed the same as free act and deed. WHEREOF, I have hereunto set my hand and affixed my official seal to this certificate above written. xpires:</pre>

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PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

March 8, 1957

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

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

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

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

Gentlemen:

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Re: Rosa Unit San Juan and Bio Afriba Counties, New Mexico 1957 Plan of Development

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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

und

Donald L. Anderson District Manager, Land Department

DLA:mdc

DIL CONSERVATION COMMISSION P. D. BOX 871 SANTA FE, NEW MEXICO

133

February 28, 1957

Pacific Northwest Pipeline Corporation P. C. 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.

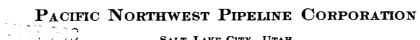
Very truly yours,

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

DSN/ ALP/ir

Enclosure

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



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 MORTHWEST PIPELINE CORPORATION

Anderson

Donald District Manager, Land Department

DLA:mdc

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

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

fell

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

Gentlemen:

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

1/8 18/64	Manuel C. Candelaria Dacresa Corporation
7/64	Brookhaven Oil Company
7/64	Paul H. Umbach
i/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
	Ralph A. Johnston
1/2 of 5/192	First National Bank of Fort Worth, Trustee
<i>,</i> . <i>,</i>	for Eula Mae Johnston
1/24 of 5/192	Mrs. Lilly Leona Rogers
	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,

MORTHWEST PIPELINE CORPORATION N

Donald L. Anderson District Manager, Land Department

DLA:mdc Encls.

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	W. P. McDonald
Date:	W.T. Mc alonald
	The SWT of Sec 20 and the NWT of Sec. 29-31-5
Date:	
Date:	
Approved and Consented to: COLORADO OST AND GAS CORPORATION BY:	Approved and Consented to: STANOLIND OIL AND GAS COMPANY
Vice President Working Interest Owner	Byriand under Vice President Working Interest Owner
Date:	
Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION	APPROVED AS TO FORM
BY: Vice President	ALAL MALONT
Working Interest Owner & Unit Opera DATE:	ator /
(·	

STATE	OF	Calif.)) SS	1				
COUNTY	y of	San Die						
On 1	this	23rd	day of	November_,	195_6,	before me	personally	appeared
	Mr.	W. P. M.	cDonald					
					_			

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as \underline{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:

<u>Alice</u> Mae Shego

My Commission Expires April 5, 1960

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

Taxac		
STATE OF PONTS) SS	
On this 16	day of ABUSAN	195 / , before me personally appeared
E	C. BOGE	<i>ts</i>
	-	
to me known to be and acknowledged	the person_desc that / execut	cribed in and who executed the foregoing instrument, ted the same as hs free act and deed.
IN WITNESS	WHEREOF, I have her	counto set my hand and affixed my official seal the
day and year in	this certificate ab	Sove written.
A. A. S. A.		alla sucar
My Commission Exp	pires:	Notary Public
June / 195	2	Notary Fubric
A Star Star		
2		
STATE OF)	
COUNTY OF) ss)	
On this	day of	, 195, before me personally appeared
to me known to b and acknowledged	e the person des thatex	scribed in and who executed the foregoing instrument, kecuted the same as free act and deed.
and acknowledged	that ex	reunto set my hand and affixed my official seal the
and acknowledged	that ex	reunto set my hand and affixed my official seal the
and acknowledged	that ex WHEREOF, I have her this certificate ab	reunto set my hand and affixed my official seal the
and acknowledged IN WITNESS day and year in	that ex WHEREOF, I have her this certificate ab	reunto set my hand and affixed my official seal the
and acknowledged IN WITNESS day and year in	that ex WHEREOF, I have her this certificate ab	xecuted the same as free act and deed. reunto set my hand and affixed my official seal the pove written.
and acknowledged IN WITNESS day and year in My Commission Ex	that ex WHEREOF, I have her this certificate ab	xecuted the same as free act and deed. reunto set my hand and affixed my official seal the pove written.
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF	that ex WHEREOF, I have her this certificate ab	xecuted the same as free act and deed. reunto set my hand and affixed my official seal the pove written.
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF	that ex WHEREOF, I have her this certificate ab pires:) SS)	kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written.
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF	that ex WHEREOF, I have her this certificate ab pires:) SS)	xecuted the same as free act and deed. reunto set my hand and affixed my official seal the pove written.
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF	that ex WHEREOF, I have her this certificate ab pires:) SS)	kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written.
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this	<pre>that ex WHEREOF, I have her this certificate ab pires:) SS } day of</pre>	<pre>kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written</pre>
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b	<pre>that ex WHEREOF, I have her this certificate ab pires:) SS day of e the person deso</pre>	kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written.
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS	<pre>thatex wHEREOF, I have her this certificate ab pires:) SS day of ee the person desc thatexecutive </pre>	<pre>kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written</pre>
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS	<pre>thatex WHEREOF, I have her this certificate ab pires:) SS day of ee the persondesc thatexecu WHEREOF, I have her</pre>	<pre>kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written</pre>
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS	<pre>thatex wHEREOF, I have her this certificate ab pires:) SS day of e the persondesc thatexecu wHEREOF, I have her this certificate ab</pre>	<pre>kecuted the same as free act and deed. reunto set my hand and affixed my official seal the nove written</pre>
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS day and year in	<pre>thatex wHEREOF, I have her this certificate ab pires:) SS day of e the persondesc thatexecu wHEREOF, I have her this certificate ab</pre>	<pre>kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written</pre>
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS day and year in	<pre>thatex wHEREOF, I have her this certificate ab pires:) SS day of e the persondesc thatexecu wHEREOF, I have her this certificate ab</pre>	recuted the same as free act and deed. recuto set my hand and affixed my official seal the Notary Public
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS day and year in	<pre>thatex wHEREOF, I have her this certificate ab pires:) SS day of e the persondesc thatexecu wHEREOF, I have her this certificate ab</pre>	recuted the same as free act and deed. recuto set my hand and affixed my official seal the Notary Public
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS day and year in	<pre>thatex WHEREOF, I have her this certificate ab)) SS day of e the persondesc thatexecu WHEREOF, I have her this certificate ab pires;</pre>	recuted the same as free act and deed. recuto set my hand and affixed my official seal the Notary Public
and acknowledged IN WITNESS day and year in My Commission Ex STATE OF COUNTY OF On this to me known to b and acknowledged IN WITNESS day and year in	<pre>that ex WHEREOF, I have her this certificate ab)) SS) day of day of ee the persondesc that execu WHEREOF, I have her this certificate at pires;</pre>	<pre>kecuted the same as free act and deed. reunto set my hand and affixed my official seal the bove written</pre>

STATE NEW MEXICO. \$ 55. c of San Juan Col roby certify that this instrum lied for record on the 11. 10:041 ROJ 317 d in book. S te Clerk and ex-officio R CONSENT ā. Deputy

In consideration of the execution of the Unit Agreement for the developmen operation of the San Juan <u>Rosa</u> Unit Area, <u>San Juan & Xoundry</u>, New Me oun Mexi 1 e S CO and operation of the San Juan 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.

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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
3835 Beechwood Lane	diville Chrysin
Dallas, Texas	Orville C. Rogers
Date:	
Date:	
Date:	
Approved and Consented to: COLORADO OIL AND GAE CORPORATION	Approved and Consented to:
BY: Othoronen	-BY: Fant Contraction of the
Viće President Working Interest Owner	Vice President Working Interest Owner
Date:	· · · · · · · · · · · · · · · · · · ·
Approved and Consented to: PACIFIC MORTHWEST PIRCLEME, CORPORATION	APPROVED
BY:	AS TO FORM
Working Interest Owner & theit One and	MM LEGAL PER
DATE: (a2).4.1757	MAN LESALDER
	State of All

THE STA	TE OF TI	EXAS,	}						
County of 7	TARRAN	Т	J						
BEFORE ME,	the undersig	ned, a Nota	ry Public in	and for said	County ar	nd State, on	this day pers	onally appeared	l
	FR	ED HOL	LAND		, ki	nown to me	to be the per	rson and officer	r
whose name is sub- The First Na- a corporation, and expressed, and in GIVEN UNDE	tional Ba that he execu the capacity	nk of Fo ated the same therein sta	rt Worth e as the act o .ted.	of such corpo	e for Ea	the purpos			n
GIVEN CHDI	<u>.</u>		(Audna E		α	1.	Rea	se	
(L. S			Notary	Public in a	nd for on expi	Tarr res June	ant a 1, 1957	County, Texas	3.
My Commission	Expires	:							
						Notary I	Public		
		_							
STATE OF)								
COLDUTY OF)	SS							
COUNTY OF	,								
On this		day of _		, 195	, befo	ore me pe	ersonally	appeared	
to me known t and acknowled IN WITNE day and year	lged that	OF, I hav	e hereun	ted the s to set my	ame as hand ar		free act	ing instrum and deed. cial seal f	
My Commission	Expires	:							
						Notary	Public		
		-							
STATE OF)	. -							
COUNTY OF)	SS							
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and acknowled									лц,
IN WITNE day and year					hand ar	nd affixe	ed my offi	cial seal 1	the

CORPORATION ACKNOWLEDGEMENT

My Commission Expires:

Notary Public

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In consideration of the execution of the Unit Agreement for the development Rosa Unit Area, San Juan &/ Counties and operation of the San Juan 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.

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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 NOV 2 0 1956 John Lac a Vun Date: BY: Date: Date: Approved and Consented to: Approved and Consented to: STANOLIND OIL AND GAS COMPANY COLORADO GAS CORPORATION BY: BY nove Vice President President Working Interest Owner Working Interest Owner. Date:_ AFPROVED Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION Vice President Working/Interest Owner & Unit Operator DATE:

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(an)

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, San Juan &/XOUNDAY, 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.

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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	mrs. Lillie Leona Rogers
3835 Beechwood Lane, Dallas, Texas	Mrs. Lillie Leona Rogers 🛛
Date:	
Date:	
Date:	
Approved and Consented to: COLORADO OLL AND GAS CORPORATION	Approved and Consented to: STANOLIND OIL AND GAS COMPANY
EY: Vice President	Bytank under
Working Interest Owner	Working Interest Owner
Date: Approved and Consented to:	APPROVE
PACIFIC MATHWEST PIPETINE CORPORATION BY:	As to FCR.
Vice President Working Interest Owner & Unit Operator	
DATE: Janl. 4, 1957	-
(-	

	<u> </u>	. Ľ	llie Leona Roger	ra	
On thi	^s <u>17th</u>	day	of <u>Nov</u> , 1	95, before me	personally appeared
COUNTY O	^F Murray)			
STATE OF	Okla)	SS		

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.

) 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.
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:
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:
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:
STATE OF)) SS COUNTY OF)
On this day of, 195, before me personally appeared

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 consideration of the execution of the Unit Agreement for the development and operation of the San Juan Rosa Unit Area, 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	
1229 W. Tishomingo	Vergen Diblack	
Sulphur, Oklahoma	Mrs. Veva Jead Gibbard	
Date:	••	
Date:	-	_
	-	
Date:	······································	
Approved and Consented to: COLORADO OLT AND GAS CORPORATION	Approved and Consented to: STANOLIND OIL AND GAS COMPANY	AT HOVED
BY: Nice President	BY: Cank underna	1423. 41
Working Interest Owner	Working Interest Owner	(j
Date:	······································	
Approved and Consented to: PACIFIC NORTHWEST PIFELINE CORPORATION	Approved As to form	
BY: <u>Vice President</u>	- ALYUMAN BEGAL DEPT	
Working Interest Owner & Unit Operato DATE: and. 4, 1957	or -	
L.		

On this 17th d	ay of <u>Nov.</u> , 195 <u>5</u> , before me personally appeared
	Veva Jean Gibbard
to me known to be th and acknowledged tha	e person described in and who executed the foregoing instrument t executed the same as free act and deed.
	EOF, I have hereunto set my hand and affixed my official seal the certificate above written.
My Commission Expire	S: Tean Jupperon Notary Public
	Jean Juneann Notary Public
May 31, 1958	
STATE OF)	
)	SS
COUNTY OF)	
On this	day of, 195, before me personally appeared
to me known to be th and acknowledged tha	e person described in and who executed the foregoing instrument executed the same as free act and deed.
and acknowledged tha IN WITNESS WHER	e person described in and who executed the foregoing instrument t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written.
and acknowledged tha IN WITNESS WHER	t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written.
and acknowledged tha IN WITNESS WHER day and year in this	t free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written.
and acknowledged tha IN WITNESS WHER day and year in this	t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written.
and acknowledged tha IN WITNESS WHER day and year in this My Commission Expire	t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written.
and acknowledged tha IN WITNESS WHER day and year in this My Commission Expire STATE OF	t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written.
and acknowledged tha IN WITNESS WHER day and year in this My Commission Expire STATE OF	t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written. s: Notary Public
and acknowledged tha IN WITNESS WHER day and year in this My Commission Expire STATE OF COUNTY OF	t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written. s: Notary Public
and acknowledged tha IN WITNESS WHER day and year in this My Commission Expire STATE OF COUNTY OF On this	<pre>.t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written. </pre>
and acknowledged tha IN WITNESS WHER day and year in this My Commission Expire STATE OF COUNTY OF On this to me known to be th	t executed the same as free act and deed. EOF, I have hereunto set my hand and affixed my official seal the certificate above written. s:

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Notary Public

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PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

January 30, 1957

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:

- 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.

REPLY TO: P. O. BOX 1526 SALT LARE CITY 10, UTAH 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 <u>16th.</u> day of <u>November</u>, 195<u>6</u>, before me personally appeared <u>Dee Forehand and wife, Cecile Forehand</u>

to me known to be the person_S described in and who executed the foregoing instrument, and acknowledged that <u>they</u> executed the same as <u>their</u> 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.

Ma Commission Evnings	Mellin Demen (Willie Jensen
My Commission Expires:	Notary Public in and for
Juni 1957	Houston County, Texas
STATE OF)	SS
COUNTY OF)	
On this	day of, 195, before me personally appeared
to me known to be the and acknowledged that	person described in and who executed the foregoing instrumen executed the same as free act and deed.
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.
	F, I have hereunto set my hand and affixed my official seal the certificate above written.

My Commission Expires:

6

Notary Public

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan <u>Rosa</u> Unit Area, <u>San Juan &</u> Counties, 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
Post Office Box 49	Au Fouhand
Crockett, Texas	Dee Forehand
Date:6-56	Cecile Forehand
Date:	
Date:	
Approved and Consented to: COLORADO OIL AND CAS CORPORATION BY:	Approved and Consented to:
BY: Vice President Working Interest Owner	BY: Vice President Working Interest Owner
Date:	
Approved and Consented to: PACIFIC NORTHWEST PIPELINE CORPORATION BY: Vice President	MASAR
Working Interest Owner & Unit Operator DATE:	· · ·

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan <u>Rosa</u> Unit Area, <u>San Juan &</u> 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.

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SIGNATURE

ADDRESS

902 South Coast Life Bldg.	TEXAS NATIONAL PETROLEUM CO.	_
Houston, Texas	BY: A Ocham r	- .
Date:	President	- .
ATTEST Secretary		-
Date:		-
		-
		-
Date:		_
Approved and Consented to: COLORADO OIL AND CAS CORPORATION	Approved and Consented to: STANOLIND OIL AND GAS COMPANY	1: 5-3
BY: Vice President	BY: T-K. Cost	- 16 2
Working Interest Owner	Vice President Working Interest Øwner	./
Date:		
Approved and Consented to; PACIFIC NORTHWEST DEPENDE CORPORATION		
BY: Allendfrath	IN YUL CHANGE	
Vice President Working Interest Owner & Unit Operator DATE:] un (

STATE OF)				
COUNTY OF) SS)				
On this	lay of	_, 195, be	fore me person	ally appeared	
	<u></u>				1999-1994 (P-1)-1999)
to me known to be th and acknowledged th	he persondesc atexecut	ribed in and ed the same a	who executed t as free	he foregoing inst act and deed.	rument
IN WITNESS WHE day and year in this			hand and affix	ed my official sea	al the
My Commission Expire	es:		Notary	Public	
STATE OF)				
COUNTY OF) SS)				
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and acknowledged the					
IN WITNESS WHE day and year in this			hand and affix	ed my official sea	al the
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and acknowledged the	at execu	ted the same	as f	ree act and deed.	ruaent
IN WITNERS WITH	REOF, I have her	eunto set my	hand and affix	ed my official sea	al the
day and year in this	s certificate ab	ove written.			

STATE OF TEXAS) COUNTY OF HARRIS)

On this 15th day of November, 1956, b to me personally known, who, being by me duly s of Texas National Petroleum Co., a corporation, instrument is the corporation seal of said corp signed and sealed in behalf of said corporation and that said L. C. Oldham, Jr. acknowledged sa deed of said corporation. My Commission Expires: June 1, 1957	worn, did say that he is Vice-President and that the seal affixed to said oration and that said instrument was by authority of its Board of Directors, id instrument to be the free act and
STATE OF)	ROSEMARY SCOTT Notary Public, Harris County, Tëxas
COUNTY OF)	
On this day of, to me personally known, who he isPresident of and that the seal affixed to said instrument is and that said instrument was signed and sealed ity of its Board of Directors, and that said said instrument to be the free act and deed of	in behalf of said corporation by author- acknowledged
My Commission Expires:	Notary Public
STATE OF) COUNTY OF)	
is President of that the seal affixed to said instrument is the that said instrument was signed and sealed in be its Board of Directors, and that said said instrument to be the free act and deed of i	ehalf of said corporation by authority of
My Commission Expires:	Notary Public
STATE OF)	
COUNTY OF	
Cn this day of to me personally known, who is President of that the seal affixed to said instrument is the that said instrument was signed and sealed in be its Board of Directors, and that said said instrument to be the free act and deed of a	corporation seal of said corporation and shalf of said corporation by authority of

My Commission Expires: Notary Public

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan <u>Rosa</u> Unit Area, <u>San Juan &/x@www.kw</u>, 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
311 Grandview Avenue	Mas Willie Johnston
Clarksville, Arkansas	Mrs. Willie Johnston (/
Date:	
Date:	
Date:	
Approved and Gonsent ed to: COLORADO OIL AND GAS CORPORATION	Approved and Consented to:
BY: Vice President Working Interest Owner	BY Vice President Working Interest Owner
Date:	
Approved and Consented to: PACIFIC NORTHWEST PHELINE CORPORATION	
BY: Month the	HAL ~
Vice President Working Interest Owner & Unit Operator DATE:	NI WY JUL

STATE OF (hange) SS	
COUNTY OF	
On this day of angust, 1956, before me personally appeared	
- Mio Mallie Straton	

to me known to be the person_described in and who executed the foregoing instrument, and acknowledged that the 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.

fion Expires: My Com

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 Fublic

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:

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan <u>Rosa</u> Unit Area, <u>San Juan &</u> 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	\sim
1010 South Coast Life Bldg.	Kalph H. Johnal	SM_
Houston, Texas	Ralph A. Johnston	
Date:	Mucacell MI Johnston	
	Murrell M. Johnston	
Date:		
		<u></u>
	بر میزان میرون اور میران بر میران میرون با با ایرون با با ایرون با با ایرون میرون با ایرون میرون میرون با ایرون	
Date:	· · · · · · · · · · · · · · · · · · ·	
Approved and Consented to: COLORADO OTH AND GAS CORPORATION	Approved and Consented to: STANOLINF OIL AND GAS COMPANY	9
BY: AMaron	BY: T. K. Hool	121 2
Vice President Working Interest Owner	Vice President Working Interest Owner	
Date:		
Approved and Consented to:		· · · · · · · · · · · · · · · · · · ·
PACIFIC NORTHWEST PICELENE CORPORATION BY:	•	
Vice President	AM	
Working Interest Owner & Unit Operator	· MM	
DATE:		

STATE OF SS COUNTY OF Area de On this 14^{-1} day of 161^{-1} , 195^{-1} , before me personally appeared sight I reaction + I musuel He one too to me known to be the person, described in and who executed the foregoing instrument, and acknowledged that the executed the same as the foregoing instrument, IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate above written. Notary Public My Commission Expires: 0-1-51 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

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan <u>Rosa</u> Unit Area, <u>San Juan &</u> 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 Ezhibit "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.	SIGNATURE RBeamon
Houston, Texas	R. E. Beamon
Date: November 12, 1956	
Date:	
Date:Approved and Consented to: COLORADO OLL AND GAS CORPORATION	Approved and Consented to: STANOLIND OIL AND GAS COMPANY
BY: Vice President Working Interest Owner	Vice President Working Interest Owner
Date: Approved and Consented to: PACIFIC NORTHLEST PIPELINE CORPORATION BY: Vice President	- AVELA
Working Interest Owner & Unit Operator DATE: <u>Conclusion 17, 1956</u>	APPROVED - AS TO FORM

R. E. 1	Bear	non, a	single	ma	n,				
On t	his	12th	day	of	November,	195 <mark>6</mark> ,	before me	personally	appeared
COUNTY	OF	HARRIS	\$ 5						
STATE	of	TEXAS)	SS					

to me known to be the person described in and who executed the foregoing instrument, and acknowledged that <u>he</u> executed the same as <u>his</u> 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

Altin	Autobah
	stary 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

and the second sec January 11, 1957 REPLY TO: P. O. BOX 1526 SALT LAKE CITY 10, UTAH

Regional Supervisor United States Geological Survey P. 0. Box 6721 Roswell, New Mexico

Commissioner of Public Lands State of New Mexico P. 0. Box 791 Santa Fe, New Mexico

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

Gentlemen:

fiec 13?

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 iderson

District Manager, Land Department

DLA:mdc Encls.

In consideration of the execution of the Unit Agreement for the development and operation of the San Juan <u>Rosa</u> Unit Area, <u>San Juan &/</u> Waxney, 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
Ralls, Texas	V. A. Johnston
Date: 10-22-56	Mar A Function Mrs. V. A. Johnston, his wife
Date:	
Date: Approved and Consented to: COLORABO OHL AND GAS CORPORATION BY: BY: BY: BY: BY: BY: BY: BY:	Approved and Consented to: STANGLIND OIL AND GAS SOMPANY By Cant unlean of the second secon
(Vice President Working Interest Owner	Working Interest Owner
Date: Approved and Consented to: PACIFIC CORTINEST PRELINE CORPORATION BY: Vice President Working Interest Owner & Unit Operator DATE: Moreule 21, 1956.	Rec

Texas STATE OF SS Crosby COUNTY OF 22nd. October , 1956, before me personally appeared On this mind day of V.A. Johnston and Mae Johnston his Wife to me known to be the person described in and who executed the foregoing instrument, and acknowledged that they executed the same as the 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. argen tary Public (Margery Mc Reynolds) My Commission Expires: lne 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

bill.

January 10, 1957

In reply refer to: Unit Division

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

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

Attention: Mr. D. N. Canfield Assistant Manager, Land Department

Gentlemen:

We are forwarding to the New Mexico Oil Conservation 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

CONCEPTE COO

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-FW.

We have examined Lasse 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

DIL CONSERVATION COMMIS~,ON P. D. BOX 871 SANTA FE, NEW MEXICO

February 28, 1957

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; 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 Hosa 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/ir

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

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

C: 20 C: 20 C: 20

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

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

uturn to Asu

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:

Township 31 North,	Range 6 West	Acres
Section 25:	W/2	320.00
	W/2 E/2	160.00
	Lots 1,2,3,4	64.48
Township 31 North,	Range 5 West	
Section 30:	E/2	320.00
	Lots 1,2,3,4	145.48
Section 31:	E/2	320.00
	Lots 1,2,3,4	145.88
	TOTAL ACRES	1475.84

Re: Rosa Unit, San Juan & Rio Arriba Cos., New Mexico Decembe: 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 llll#; shut-in casing pressure ll09#.

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;

Township 31 North, Ran	ge 5 West Acres
Section 19: E	/2 320.00
L	ots 1,2,3,4 144.44
Section 20: S	/2 320.00
Section 29: A	11 640.00
Township 31 North, Ran	ge 6 West
Section 15: E	72 320.00
Section 22: E	/2 320.00
	-
Т	otal 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 $12\frac{1}{2}$ % 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 approves 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 :		DATE :
	Supervisor, United States Geological Survey	
		DATE:
	Commissioner of Public Lands	DATE: 2-28-57
	Oil Conservation Commission	

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
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Total Tract Participation	35.617491%	15.126303%	4.452186¢	12.027581%	26.098160%	2.226093%	t.μ52186%	100.00000%
Unit Participation	31.165305%	13.235515%	3.895663%	10.524133%	22.835890%	1.947831%	3.895663%	87.50000%
Working Interest*	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%	
Unit Particination	4.452186%	1.890788%	.55652 3 %	1.503448%	3. 262270%	.278262%	.556523%	TOTALS 7,187.48 87.5000 87.5000 87.50000% 87.50000%
Basic Rovaltv	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	
Serial Number	SF 078771	SF 078767	SF 078765	SF 078766	SF 078764	SF 079165	FEE	
Number Of Acres	2560.00	1087.20	320.00	864.48	1875.80 4 4	160.00	320.00	7,187.48
Description Of Lands	<u>T-31-N - R-6-W</u> Sec. 11: 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 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	<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	<u>T-31-N - R-5-W</u> Sec. 19: E/2, Lots 1, 2, 3, 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	<u>T-31-N - R-5-W</u> Sec. 29: S/2 NE/4 E/2 SE/4	<u>T-31-N - R-5-W</u> Sec. 20: SW/4 Sec. 29: NW/4	TOTALS

*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.