

State of New Mexico

TELEPHONE  
505-827-2748



PHIL R. LUCERO  
COMMISSIONER

Commissioner of Public Lands  
September 3, 1975

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

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

Re: San Juan 30-5 Unit  
Rio Arriba County, New Mexico  
CORRECTED TWENTY-SECOND EXPANDED  
PARTICIPATING AREA, MESAVERDE  
FORMATION, EFFECTIVE DECEMBER 1,  
1974

ATTENTION: Betty K. Burnett

Gentlemen:

We have received your corrected Twenty-Second Expanded Participating Area, Mesaverde Formation, effective December 1, 1974, and have this date been replaced for the one filed with this office on January 17, 1975.

We are returning one copy of the instrument showing the date received in this office.

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

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

PRL/RDG/s  
encl.  
cc:

UECS-Moswell, New Mexico  
OCC- Santa Fe, New Mexico

Northwest Pipeline Corporation



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

August 25, 1975

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

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

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

Re: San Juan 30-5 Unit  
#14-08-001-346  
Rio Arriba County,  
New Mexico  
CORRECTED TWENTY-SECOND EXPANDED  
PARTICIPATING AREA, MESAVERDE  
FORMATION, EFFECTIVE DECEMBER 1,  
1974

Gentlemen:

Reference is made to our letter of January 17, 1975 covering the Twenty-first and Twenty-second Expanded Participating Area of the Mesaverde formation of the San Juan 30-5 Unit.

The Twenty-second Expansion was a result of the completion of the San Juan 30-5 Unit Well #40 located in the W/2 of Section 33-30N-5W. The completion of this well created one intervening drilling block described as the W/2 of Section 28-30N-5W, consisting of 320 acres. We inadvertently failed to include this intervening drilling block in the Expansion furnished your office January 17, 1975.

Under the terms of the San Juan 30-5 Unit Agreement, the intervening drilling block described as the W/2 Section 28-30N-5W is admitted to the Mesaverde Participating Area as of December 1, 1974. A well must be commenced on this block by December 1, 1975.

San Juan 30-5 Unit  
#14-08-001-346  
CORRECTED TWENTY-SECOND  
EXPANDED PARTICIPATING  
AREA, MESAVERDE FORMATION

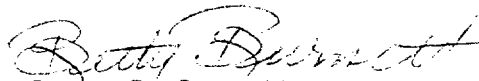
Page 2

August 25, 1975

Attached is a corrected Schedule XXIII showing the Twenty-Second Expanded Area for the Mesaverde formation of the San Juan 30-5 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. The schedule now correctly reflects the addition of the intervening drilling block described above. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, this Twenty-Second Expanded Participating Area will be effective as of December 1, 1974.

Copies of this letter and schedule are being sent to the Working Interest Owners shown on the attached sheet. We apologize for any inconvenience this may have caused.

Very truly yours,



Betty R. Burnett  
Supervisor of Contracts & Units

BRB/ml1

Enclosures

cc: All Working Interest Owners

SAN JUAN 30-5 UNIT

Working Interest Owners

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

Crown Central Petroleum Corporation  
Attention: Mr. O. I. Halbert III  
Exploration Manager  
Suite 1002, Wilco Building  
Midland, TX 79701

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

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

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

Lt. Col. Langdon Dewey Harrison,  
Trustee for Mrs. Omega E. Quinn  
7311 Montgomery, N. E.  
Albuquerque, NM 87109

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

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

CORRECTED  
SCHEDULE XXIII  
TWENTY-SECOND EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 30-5 UNIT AREA

TRACT NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 012331	T-30-N, R-5-W Sec. 31: N/2	320.00	<u>TRACT 1</u>		12.50%	2.777937%
			Royalty;			
			Working Interest;			
			Northwest Pipeline Corp.;			
			TOTAL	100.00%		
NM 012332	T-30-N, R-5-W Sec. 35: E/2	320.00	<u>TRACT 2</u>		12.50%	2.777937%
			Royalty;			
			Working Interest;			
			Northwest Pipeline Corp.;			
			TOTAL	100.00%		
SF 078738	T-30-N, R-5-W Sec. 23: All Sec. 26: NE/4 SW/4 & E/2 Sec. 27: SW/4 & E/2 NW/4 & NE/4 & NW/4 SE/4 & S/2 SE/4	1520.00	<u>TRACT 3</u>		12.50%	13.195201%
			Royalty;			
			Working Interest;			
			Northwest Pipeline Corp.;			
			TOTAL	100.00%		
SF 078738	T-30-N, R-5-W Sec. 26: NW/4	160.00	<u>TRACT 3-A</u>		12.50%	1.388968%
			Royalty;			
			Working Interest;			
			Northwest Pipeline Corp.;			
			TOTAL	100.00%		

Effective December 1, 1974

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 4</u>						
SF 078739	T-30-N, R-5-W Sec. 21: SW/4 Sec. 22: E/2	480.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 84.50% 3.00% <u>100.00%</u>	12.50% 84.50% 3.00% <u>100.00%</u>	4.166906%
SF 078739	T-30-N, R-5-W Sec. 33: W/2	320.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 86.00% 1.50% <u>100.00%</u>	12.50% 86.00% 1.50% <u>100.00%</u>	2.777937%
SF 078739	T-30-N, R-5-W Sec. 28: W/2	320.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 86.50% 1.00% <u>100.00%</u>	12.50% 86.50% 1.00% <u>100.00%</u>	2.777937%
<u>TRACT 5</u>						
SF 078740	T-30-N, R-5-W Sec. 19: E/2 Sec. 20: All Sec. 29: N/2 NW/4 & SW/4 NW/4	1080.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	9.375538%

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078740	T-30-N, R-5-W Sec. 29: SW/4 & SE/4 NW/4 Sec. 30: E/2	520.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 83.00% 4.50% <u>100.00%</u>	12.50% 83.00% 4.50% <u>100.00%</u>	4.514148%
	<u>TRACT 5-A</u>					
SF 078740	T-30-N, R-5-W Sec. 30: W/2	320.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 84.50% 3.00% <u>100.00%</u>	12.50% 84.50% 3.00% <u>100.00%</u>	2.777937%
	<u>TRACT 5-B</u>					
SF 078994	T-30-N, R-5-W Sec. 17: SW/4 & S/2 NW/4 Sec. 18: All	880.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	7.639327%
	<u>TRACT 6</u>					
SF 078997	T-30-N, R-5-W Sec. 6: S/2 SE/4 & N/2 SE/4 Sec. 7: NE/4 & N/2 SE/4 & SE/4 SE/4 & NW/4 SW/4 Sec. 8: NW/4 & N/2 SW/4 Sec. 9: W/2	1120.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	9.722779%
	<u>TRACT 7</u>					

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 080066	T-30-N, R-5-W Sec. 6: Lots 8, 9, 239.34 & S/2 NE/4 & N/2 SE/4		<u>TRACT 11</u> Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	2.077723%
NM 012335	T-30-N, R-5-W Sec. 31: S/2	320.00	<u>TRACT 12</u> Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	2.777937%
SF 080537	T-30-N, R-5-W Sec. 24: W/2	320.00	<u>TRACT 14</u> Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% 4.375% <u>100.000%</u>	12.500% 83.125% 4.375% <u>100.000%</u>	2.777937%
SF 080538	T-30-N, R-5-W Sec. 11: E/2 Sec. 14: E/2	640.00	<u>TRACT 15</u> Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% 4.375% <u>100.000%</u>	12.500% 83.125% 4.375% <u>100.000%</u>	5.555874%

Effective December 1, 1974



UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 17</u>						
E-347-7	T-30-N, R-5-W Sec. 16: NE/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50%	12.50%	1.388968%
	TOTAL			<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 17-A</u>						
E-347-8	T-30-N, R-5-W Sec. 16: N/2 NW/4	80.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50%	12.50%	0.694484%
	TOTAL			<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 17-B</u>						
E-347-23	T-30-N, R-5-W Sec. 32: NW/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50%	12.50%	1.388968%
	TOTAL			<u>100.00%</u>	<u>100.00%</u>	
<u>TRACT 17-C</u>						
E-347-24	T-30-N, R-5-W Sec. 32: NE/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50%	12.50%	1.388968%
	TOTAL			<u>100.00%</u>	<u>100.00%</u>	

Effective December 1, 1974

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-347-17	T-30-N, R-5-W Sec. 16: S/2 NW/4	80.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP.; ORRI;	12.50%	12.50%	0.694484%
				82.50%	82.50%	
				5.00%	5.00%	
				100.00%	100.00%	
<u>TRACT 17-D</u>						
E-347-26	T-30-N, R-5-W Sec. 16: S/2 Sec. 32: S/2	640.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP.; ORRI;	12.50%	12.50%	5.555874%
				82.50%	82.50%	
				5.00%	5.00%	
				100.00%	100.00%	
<u>TRACT 17-F</u>						
Fee	T-30-N, R-5-W Sec. 8: E/2	320.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP.; ORRI;	12.50%	12.50%	2.777937%
				87.50%	87.50%	
				.00%	.00%	
				100.00%	100.00%	
<u>TRACT 18</u>						
Fee	T-30-N, R-5-W Sec. 7: S/2 SW/4 & NE/4 SW/4 & SW/4 SE/4	160.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP.; ORRI;	12.50%	12.50%	1.388968%
				87.50%	87.50%	
				.00%	.00%	
				100.00%	100.00%	
<u>TRACT 19</u>						

Effective December 1, 1974

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 20</u>						
Fee	T-30-N, R-5-W Sec. 17: NE/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>	1.388968%
<u>TRACT 21</u>						
Fee	T-30-N, R-5-W Sec. 17: SE/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>	1.388968%
<u>TRACT 22</u>						
Fee	T-30-N, R-5-W Sec. 21: NW/4	160.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>	1.388968%
<u>TRACT 23</u>						
Fee	T-30-N, R-5-W Sec. 27: W/2 NW/4	80.00	Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>	0.694484%

Effective December 1, 1974

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
Fee	<u>T-30-N, R-5-W</u> Sec. 26: W/2 SW/4 & SE/4 SW/4 Sec. 27: NE/4 SE/4	160.00	<u>TRACT 24</u> Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 87.50% 100.00%	12.50% 87.50% 100.00%	1.388968%
Fee	<u>T-30-N, R-5-W</u> Sec. 8: S/2 SW/4 Sec. 17: N/2 NW/4 (except 4.00 acres)	156.00	<u>TRACT 25</u> Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 87.50% 100.00%	12.50% 87.50% 100.00%	1.354245%
Fee	<u>T-30-N, R-5-W</u> Sec. 17: A Tract of Land 1200' long by 450' wide lying in the NW/4 of Sec. 17	4.00	<u>TRACT 25-A</u> Royalty; Working Interest; Northwest Pipeline Corp.; ORRI;	12.50% 87.50% 100.00%	12.50% 87.50% 100.00%	0.034725%

Effective December 1, 1974

UNIT AREA EXPANSION SCHEDULE - SAN JUAN BASIN

SCHEDULE XXIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
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RECAPITULATION

Township 30 North, Range 5 West, N.M.P.M.

Sections 7, 8, 16, 17, 18, 20, 23, 26, 27, 30, 31, 32: All  
 Sections 9, 21, 24, 28, 29, 33: W/2  
 Sections 6, 11, 14, 19, 22, 33: E/2

Total Number of Acres in Participating Area: 11,519.34  
 Total Number of Acres Committed to Participating Area: 11,519.34

Northwest Pipeline Corporation



JOHN M. PARKER  
DIRECTOR OF EXPLORATION

May 28, 1975

417

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

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

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

Gentlemen:

Re: San Juan 30-5 Unit  
#14-08-001-346  
Twenty-Second Expanded  
Participating Area  
Mesaverde Formation  
Effective December 1, 1974

In connection with the captioned Expanded Participating Area, we furnished you with Schedule XXIII on January 17, 1975.

Attached is a corrected page 2 of Schedule XXIII which should replace page 2 originally furnished your office. The overriding royalty interest has been changed on the W/2 Section 33 to 1.50% which now correctly reflects the overriding royalty interest as to that portion of Tract 4.

Copies of corrected page 2 are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

Betty R. Burnett  
Supervisor of Contracts & Units

BRB:mll

Enclosure

cc: Working Interest Owners

SAN JUAN 30-5 UNIT

Working Interest Owners

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

Crown Central Petroleum Corporation  
Attention: Mr. O. I. Halbert III  
Exploration Manager  
Suite 1002, Wilco Building  
Midland, TX 79701

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

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

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

Lt. Col. Langdon Dewey Harrison,  
Trustee for Mrs. Omega E. Quinn  
7311 Montgomery, N. E.  
Albuquerque, NM 87109

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

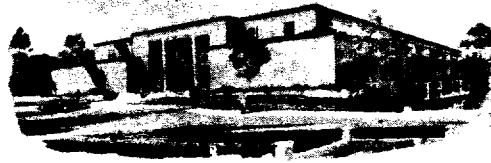
## SCHEDULE XXIII

ERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
F078739	T-30-N, R-5-W Sec. 21: SW/4 Sec. 22: E/2	480.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP; ORRI;	12.50%	12.50%	4.285967%
				84.50%	84.50%	
				3.00%	3.00%	
				<u>100.00%</u>	<u>100.00%</u>	
	TOTAL			12.50%		2.857311%
F078739	T-30-N, R-5-W Sec. 33: W/2	320.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP; ORRI;	12.50%	12.50%	2.857311%
				86.00%	86.00%	
				1.50%	1.50%	
				<u>100.00%</u>	<u>100.00%</u>	
	TOTAL			12.50%		9.643425%
F078740	T-30-N, R-5-W Sec. 19: E/2 Sec. 20: All Sec. 29: N/2 NW/4 & SW/4 NW/4	1080.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP; ORRI;	12.50%	12.50%	9.643425%
				82.50%	82.50%	
				5.00%	5.00%	
				<u>100.00%</u>	<u>100.00%</u>	
	TOTAL			12.50%		4.643131%
F078740	T-30-N, R-5-W Sec. 29: SW/4 & SE/4 NW/4 Sec. 30: E/2	520.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP; ORRI;	12.50%	12.50%	4.643131%
				83.00%	83.00%	
				4.50%	4.50%	
				<u>100.00%</u>	<u>100.00%</u>	
	TOTAL			12.50%		2.857311%
F078740	T-30-N, R-5-W Sec. 30: W/2	320.00	ROYALTY; WORKING INTEREST; NORTHWEST PIPELINE CORP; ORRI;	12.50%	12.50%	2.857311%
				84.50%	84.50%	
				3.00%	3.00%	
				<u>100.00%</u>	<u>100.00%</u>	
	TOTAL			12.50%		9.643425%



State of New Mexico

TELEPHONE  
505-827-2748



Commissioner of Public Lands

January 23, 1975

417

PHIL R. LUCERO  
COMMISSIONER

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

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

Re: San Juan 30-5 Unit  
Rio Arriba County, New Mexico  
TWENTY-FIRST EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective November 1, 1974

TWENTY-SECOND EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective December 1, 1974

ATTENTION: Mr. John W. Shepardson

Gentlemen:

The Commissioner of Public Lands has this date approved the Twenty-First and Twenty-Second Expanded Participating Areas, Mesaverde Formation for the San Juan 30-5 Unit, Rio Arriba County, New Mexico. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

Enclosed is one approved copy for your files.

In the future please submit Three (3) copies to this office.

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

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

FRL/RDC/s  
encl.  
cc:

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

Northwest Pipeline Corporation



417

JOHN M. PARKER  
DIRECTOR OF EXPLORATION

January 17, 1975

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

Mr. Carl C. Traywick  
Acting Area Oil and Gas Supervisor  
United States Geological Survey  
Post Office Drawer 1857  
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Commissioner of Public Lands  
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Oil Conservation Commission  
State of New Mexico  
Attention: Mr. A. L. Porter, Jr.  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
TWENTY-FIRST EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective November 1, 1974

TWENTY-SECOND EXPANDED  
PARTICIPATING AREA  
Mesaverde Formation  
Effective December 1, 1974

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement No. 14-08-001-346, Northwest Pipeline Corporation, as Unit Operator, determined on the dates indicated below that the following wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to this Unit; and the Participating Area for the Mesaverde Formation should be expanded as follows:

TWENTY-FIRST EXPANDED PARTICIPATING AREA -- Effective November 1, 1974

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
T-30-N, R-5-W	320.00	San Juan 30-5
Sec. 32: E/2		Unit Well No. 41

Acting Area Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
January 17, 1975  
Page 2

Pertinent data on this well is as follows:

The San Juan 30-5 Unit No. 41 Well is located 1530' from the North line and 980' from the East line, Section 32, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded October 3, 1974, and was completed October 26, 1974, in the Mesaverde Formation at a total depth of 5720'. The Mesaverde Formation was perforated with ten (10) shots per interval in the zones: 5616'-5626', 5547'-5552', 5531'-5536', 5500'-5510', 5468'-5478', 5437'-5447', 5408'-5418', 5310'-5320', 5175'-5180', and 5160'-5165'. On October 16, 1974, these perforations were treated with 400 gallons of 7 1/2% hydrochloric acid, followed by sand-water fracturing. The well was shut-in on October 19, 1974, and after being shut-in for seven (7) days, the well was tested on October 26, 1974, with a SIPC of 1026 psia and a SIPT of 944 psia. After flowing for three (3) hours through a 3/4 inch positive choke on 2 3/8 inch tubing, the well gauged 2504 MCFG/D with a calculated Absolute Open Flow of 3110 MCFG/D.

TWENTY-SECOND EXPANDED PARTICIPATING AREA--Effective December 1, 1974

<u>Drilling Block</u>	<u>Acres</u>	<u>Well No.</u>
T-30-N, R-5-W	320.00	San Juan 30-5
Sec. 33: W/2		Unit Well No. 40

Pertinent data on this well is as follows:

The San Juan 30-5 Unit No. 40 Well is located 1130' from the South line and 1820' from the West line, Section 33, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. This well was spudded October 19, 1974, and was completed November 12, 1974, in the Mesaverde Formation at a total depth of 5720'. The Mesaverde Formation was perforated with twelve (12) shots per interval in the zones: 5172'-5190', 5312'-5324', 5378'-5390', 5424'-5442', 5490'-5502', 5516'-5528', 5558'-5570', and 5644'-5650'. On November 2, 1974, these perforations were treated with 500 gallons of 7 1/2% hydrochloric acid, followed by sand-water fracturing. The well was shut-in on November 5, 1974, and after being shut-in for seven (7) days, the well was tested on

Acting Area Oil & Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
January 17, 1975  
Page 3

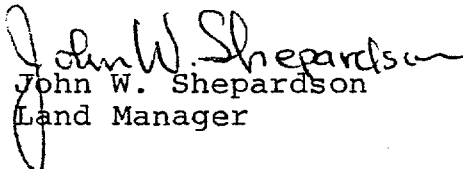
November 12, 1974, with a SIPT of 1042 psia and a SIPC of 1042 psia. After flowing for three (3) hours through a 3/4 inch positive choke on the 2 3/8 inch tubing, the well gauged 3335 MCFG/D with a calculated Absolute Open Flow of 4672 MCFG/D.

Attached are Schedules XXII and XXIII respectively showing the Twenty-First and Twenty-Second Expanded Participating Area for the Mesaverde Formation of the San Juan 30-5 Unit Area. These describe the Expanded Participating Area and show the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor; and in the absence of disapproval, the expansions will become effective as follows:

Twenty-First Expanded Participating Area--November 1, 1974  
Twenty-Second Expanded Participating Area--December 1, 1974

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

Very truly yours,

  
John W. Shepardson  
Land Manager

BRB:cak  
Attachments

SAN JUAN 30-5 UNIT

Working Interest Owners

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

Crown Central Petroleum Corporation  
Attention: Mr. O. I. Halbert III  
Exploration Manager  
Suite 1002, Wilco Building  
Midland, TX 79701

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

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

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

Lt. Col. Langdon Dewey Harrison,  
Trustee for Mrs. Omega E. Quinn  
7311 Montgomery, N. E.  
Albuquerque, NM 87109

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

*El Paso Natural Gas Company*

*El Paso, Texas* 79978

July 18, 1974

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

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: Initial Expansion, Dakota Formation  
San Juan 30-5 Unit, Rio Arriba  
County, New Mexico

---

Gentlemen:

This is to advise that the Initial Dakota Participating Area for the San Juan 30-5 Unit was approved by the regulatory agencies on the following dates:

United States Geological Survey - July 12, 1974  
Commissioner of Public Lands - June 24, 1974  
Oil Conservation Commission - June 24, 1974

Copies of this letter are being sent to the working interest owners of the San Juan 30-5 Unit.

Yours very truly,

*Terry Srsen*

Terry Srsen  
Landman, Land Department  
Energy Resource Development

TS:lj  
File

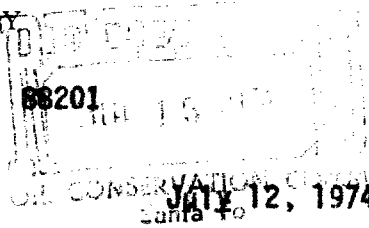


United States Department of the Interior

417

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico



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

Gentlemen:

The initial Dakota participating area of the San Juan 30-5 unit agreement Rio Arriba County, New Mexico, I-Sec. No. 14-08-001-346, was approved on July 12, 1974, by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of January 1, 1974.

The initial Dakota participating area embraces the  $W\frac{1}{2}$  of sec. 8, T. 30 N., R. 5 W., N.M.P.M., containing 320.00 acres, and is based on the completion of unit well No. 37 located in  $NE\frac{1}{4}$   $SW\frac{1}{4}$  of sec. 8 as a commercial well. Unit well No. 37 was completed on January 10, 1974, for a calculated absolute open flow potential of 4,039 MCFGPD from the Dakota interval 7,595 to 7,820 feet.

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

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

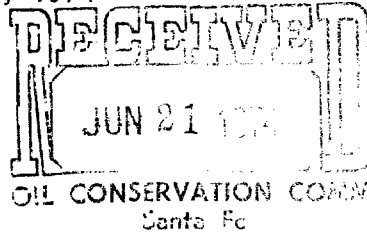
cc:  
BLM, Santa Fe (ltr only)  
Durango (w/cy appln.)  
NMOCC, Santa Fe (ltr only) ✓  
Com. Pub. lands, Santa Fe (ltr only)

ARStall:td

# El Paso Natural Gas Company

El Paso, Texas 79978

June 19, 1974



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

Re: San Juan 30-5 Unit #14-08-001-436  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
INITIAL REVISION OF THE PARTICIPATING  
AREA FOR THE DAKOTA FORMATION  
Effective January 1, 1974

Gentlemen:

We are enclosing for your approval eight (8) copies of an Application for Approval of the Initial Revision of the Participating Area for the Dakota Formation for the referenced unit.

If this Application meets with your approval, please execute all copies and forward them to the Oil Conservation Commission for its approval and execution. After this Application has been signed by the Commissioner of Public Lands and the Oil Conservation Commission, the Commissioner of Public Lands should retain two (2) copies for his file and the Oil Conservation Commission should retain one (1) copy for its file, and five (5) copies should be forwarded to the United States Geological Survey in Roswell, New Mexico, for its approval and further handling. After this Application has been approved and signed by the United States Geological Survey, two (2) copies should be returned to El Paso.

Yours very truly,

A handwritten signature in cursive script that reads "James R. Permenter".

James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:TS:sn  
Enclosures

cc: Regional Oil & Gas Supervisor  
Oil Conservation Commission



OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

417

June 24, 1974

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

Attention: Mr. James R. Permenter

Re: Initial Dakota Participating Area,  
San Juan 30-5 Unit, Rio Arriba  
County, New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Initial Dakota Participating Area consisting of the W/2 of Section 8, Township 30 North, Range 5 West, NMPM, for the San Juan 30-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands of the State of New Mexico.

Five approved copies of the application are being forwarded to the United States Geological Survey, Roswell, New Mexico, and two approved copies are being returned to the Commissioner of Public Lands.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

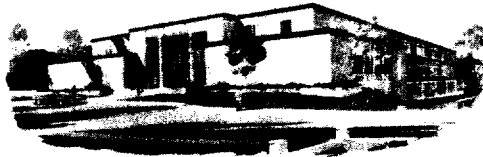
ALP/JEK/og

cc: Commissioner of Public Lands - Santa Fe  
United States Geological Survey - Roswell

C  
O  
P  
Y

State of New Mexico

TELEPHONE  
505-827-7748



Commissioner of Public Lands

June 24, 1974

ALEX J. ARMIJO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

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

Re: San Juan 30-5 Unit  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
INITIAL REVISION OF THE PARTICIPATING  
AREA FOR THE DAKOTA FORMATION  
Effective January 1, 1974

ATTENTION: Mr. James R. Permenter

Gentlemen:

The Commissioner of Public Lands has this date approved the Initial Revision of the Participating Area for the Dakota Formation, for the San Juan 30-5 Unit. This approval is subject to like approval by the United States Geological Survey and the Oil Conservation Commission.

We are handing all eight (8) copies to the Oil Conservation Commission for their approval. After they approve two copies should be returned to the Commissioner of Public Lands, one copy should be retained by them and five (5) copies should be forwarded to the United States Geological Survey at Roswell for their consideration. After approval by the United States Geological Survey, two (2) copies should be returned to El Paso.

Very truly yours,

EAY D. GRAHAM, Director  
Oil and Gas Department

AJA/RDG/s  
cc:

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

# El Paso Natural Gas Company

El Paso, Texas 79978

June 14, 1974

RECEIVED

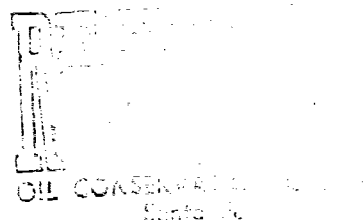
JUN 21 10 36 AM '74

STATE AND COUNTY  
SANTA FE, N.M.

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

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

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



Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
INITIAL REVISION OF THE PARTICIPATING  
AREA FOR THE DAKOTA FORMATION  
Effective January 1, 1974

Gentlemen:

El Paso Natural Gas Company, as Unit Operator of the San Juan 30-5 Unit Agreement, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the following selection of lands to constitute the Initial Revision of the Participating Area for the Dakota Formation, to wit:

INITIAL REVISION - Effective January 1, 1974

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 30 North, Range 5 West, N.M.P.M.</u> Section 8: W/2	320.00

This proposed Initial Expansion of the Participating Area for the Dakota Formation is predicated upon the knowledge and information first obtained upon the completion in paying quantities of the San Juan 30-5 Unit #37 Well.

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

The San Juan 30-5 Unit #37 Well, located 1630' from the South line and 1670' from the West line of Section 8, Township 30 North, Range 5 West, N.M.P.M., was spudded on November 23, 1973 and completed on January 10, 1974 in the Dakota Formation at a total depth of 7872'. The Dakota Formation in the intervals between 7696'-7702', 7712'-7718', 7744'-7752', 7776'-7782', 7812'-7820' was treated with a sand-water fracturing process on December 18, 1973. The well was shut-in on December 24, 1973, and after being shut-in for seventeen (17) days the well was tested on January 10, 1974, and following a three-hour blow-down period the Dakota Formation gauged 3944 MCF/D through a 3/4" choke and 4039 MCF/D by the calculated absolute open-flow method, with an SIPC of 2967 psia and an SIPT of 2956 psia. The spacing unit for this well is described as the W/2 of Section 8, Township 30 North, Range 5 West, containing 320.00 acres.

In support of this application the following Exhibits are made a part hereof.

EXHIBIT "A"

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

EXHIBIT "B"

Geological Report concerning the Initial Expansion of the Dakota Formation in the San Juan 30-5 Unit.

EXHIBIT "C"

San Juan 30-5 Unit Structure Map contoured on the top of the Dakota Formation.

EXHIBIT "D"

Schedule of Dakota oil and gas production.

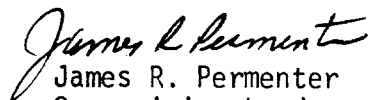
Regional Oil and Gas Supervisor  
Commissioner of Public Lands  
Oil Conservation Commission  
Page 3

Attached to this application is Schedule I showing the lands entitled to participation in the unitized substances produced from the Dakota Formation with the percentage of participation of each lease or tract indicated thereon.

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

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

Yours very truly,



James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:TS:lj  
Attachment

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

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

DATE: \_\_\_\_\_

APPROVED: Alex J. Amigo  
Commissioner of Public Lands  
Subject to like approval by the  
United States Geological Survey  
and the Oil Conservation Commission

DATE: June 24, 1974

APPROVED: A. V. Peters, Jr.  
Oil Conservation Commission  
Subject to like approval by the  
United States Geological Survey  
and the Commissioner of Public Lands

DATE: June 24, 1974

The foregoing approvals are for the Initial Revision of the Participating Area for the Dakota Formation, effective January 1, 1974, under the San Juan 30-5 Unit #14-08-001-346, Rio Arriba County, New Mexico.

SAN JUAN 30-5 UNIT  
Working Interest Owners

Amoco Production Company (3)

Crown Central Petroleum Corporation

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,  
Trustee for Mrs. Omega E. Quinn

Phillips Petroleum Company

Skelly Oil Company

Northwest Pipeline Corporation

# El Paso Natural Gas Company

El Paso, Texas 79978

February 6, 1973

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

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

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

Re: San Juan 30-5 Unit, 20th Expanded  
Participating Area, Mesaverde Forma-  
tion, Effective September 1, 1972,  
and Notice of Completion of Non-  
Commercial Well, Mesaverde Formation

Gentlemen:

The United States Geological Survey accepted both of the above applications on January 30, 1973. Copies of this letter are being sent to the working interest owners of the referenced unit.

Yours very truly,

*Charles T. Richardson*  
Charles T. Richardson  
Senior Landman  
Land Department  
Energy Resource Development

CTR:nja  
San Juan 30-5 Unit 4.2

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



# El Paso Natural Gas Company

El Paso, Texas 79978

January 25, 1973

411

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

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF NON-  
COMMERCIAL WELL, Mesaverde  
Formation

Gentlemen:

The following-described well was completed by Phillips Petroleum Company, as Unit Operator of the San Juan 30-5 Unit and well owner, during 1953, but Phillips determined the well to be non-commercial. Said well was then shut-in and has remained shut-in until the present date. It was also never admitted to the Mesaverde Participating Area. Phillips, however, apparently failed to file a formal non-commercial determination on the well, and El Paso, as successor Unit Operator and well owner, has only now become aware of this oversight. Further, El Paso desires that said well remain in a shut-in status, on the contingency that it might become economically feasible to produce same at a subsequent date.

Therefore, El Paso Natural Gas Company, as Unit Operator of the captioned Unit, has determined, pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement #14-08-001-346, approved on November 7, 1952, and on the date set out below, that the following-described well completed on lands committed to the said San Juan 30-5 Unit is not capable of producing unitized substances in paying quantities from the Mesaverde formation:

January 25, 1973

The San Juan 30-5 Unit #6 Well, located 660' from the South line and 660' from the West line of Section 19, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on July 12, 1953, drilled to a total depth of 7,976', plugged back to 5,700' and completed in the Mesaverde formation on August 26, 1953. The Mesaverde formation in the intervals between 5,140' and 5,700' was sand fraced on November 10, 1953, and potentialed 320 MCF/D on December 30, 1953. The committed drilling block upon which this well is located is described as the W/2 of Section 19, Township 30 North, Range 5 West, N.M.P.M., and contains 320.00 acres.

The determination that the subject well is non-commercial is made effective as of the date of this letter, January 25, 1973. Also, various tests conducted upon the well since its completion serve to confirm its continuing non-commerciality.

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

Yours very truly,



D. N. Canfield  
Manager  
Land Department  
Energy Resource Development

DNC:CTR:nja  
San Juan 30-5 Unit 4.3  
NM-6575

cc: Mrs. Pepita O. Jeffus  
Executive Director, New Mexico  
Oil & Gas Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Regional Oil & Gas Supervisor  
United States Geological Survey

The foregoing approval is for the recommendation declaring the San  
Juan 30-5 Unit #6 Well non-commercial.

SAN JUAN 30-5 UNIT  
Working Interest Owners

Amoco Production Company (3)

Crown Central Petroleum Corporation

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,  
Trustee for Mrs. Omega E. Quinn

Phillips Petroleum Company

Skelly Oil Company

# El Paso Natural Gas Company

El Paso, Texas 79975  
January 9, 1973

47

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

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
TWENTIETH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation,  
Effective September 1, 1972

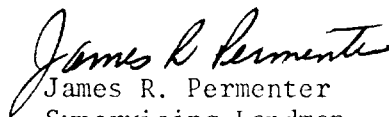
Gentlemen:

By letter dated December 13, 1972, El Paso Natural Gas Company, as Operator of the captioned Unit, filed the subject Expansion with you. Schedule XXI was attached to this Expansion, but we have now determined that Tract 5-B on Page 2 thereof contains a typographical error. The E/2 of Section 30, T-30-N, R-5-W is erroneously described instead of the W/2 of said Section.

Therefore, we have enclosed a copy of the revised Page 2 with the request that same be substituted for the previously furnished Page 2. Your assistance in this regard will be appreciated.

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

Yours very truly,



James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:CTR:dks  
Enclosure  
S.J. 30-5 Unit 4.2

cc: Mrs. Pepita O. Jeffus

SAN JUAN 30-5 UNIT  
Working Interest Owners

Amoco Production Company (3)

Crown Central Petroleum Corporation

General American Oil Company of Texas

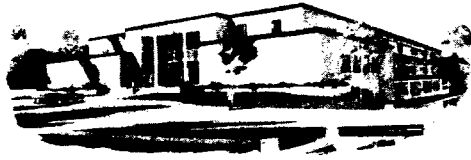
Lt. Col. Langdon Dewey Harrison,  
Trustee for Mrs. Omega E. Quinn

Phillips Petroleum Company

Skelly Oil Company

State of New Mexico

TELEPHONE  
505-627-2747



Commissioner of Public Lands

ALEX J. ARMIJO  
COMMISSIONER

December 18, 1972

P. O. Box 1148  
SANTA FE, NEW MEXICO

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

Re: San Juan 30-5 Unit  
Rio Arriba County, New Mexico  
Twentieth Expanded Participating  
Area, Mesaverde Formation  
Effective September 1, 1972

ATTENTION: Mr. James R. Permenter

Gentleman:

This will acknowledge receipt of your Twentieth Expanded Participating Area, Mesaverde Formation, for the San Juan 30-5 Unit.

Since this needs no official approval, we have this date accepted the expansion and filed it for record purposes.

Enclosed is one copy of the expansion surplus to our need.

Very truly yours,

RAY D. GRAMAM, Director  
Oil and Gas Department

AJA/RDG/s  
encis.

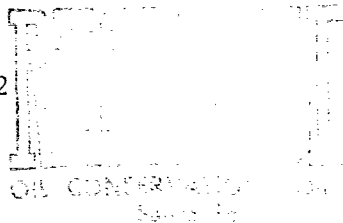
cc: OCC-Santa Fe, New Mexico  
USGS-Roswell, New Mexico

# El Paso Natural Gas Company

411

El Paso, Texas 79978

December 13, 1972



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

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
TWENTIETH EXPANDED PARTICIPATING  
AREA, Mesaverde Formation,  
Effective September 1, 1972

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to the Unit. The Participating Area for the Mesaverde Formation is expanded accordingly to include this well, as follows:

The San Juan 30-5 Unit #36 Well, located 1170' from the South line and 800' from the West line of Section 30, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, was spudded on July 28, 1972, and completed on August 13, 1972, in the



December 13, 1972

Mesaverde Formation at a total depth of 6002'. The Mesaverde Formation in the intervals between 5356'-5364', 5372'-5380', 5394'-5400', 5420'-5428', 5610'-5618', 5626'-5634', 5666'-5678', 5692'-5700', 5717'-5725', 5735'-5743', 5762'-5770', 5784'-5796', 5828'-5836', 5866'-5874', 5916'-5924' was treated with a sand-water fracturing process on August 12, 1972. The Mesaverde Formation was shut-in on August 14, 1972, and after being shut-in for nine (9) days, the Mesaverde Formation was tested on August 23, 1972, and following a three-hour blow-down period gauged 2587 MCFGPD through a 3/4" choke, and 3880 MCFGPD by the calculated absolute open-flow method, with an SIPC of 941 psia and an SIPT of 331 psia.

Attached is Schedule XXI showing the Twentieth Expanded Participating Area for the Mesaverde Formation of the San Juan 30-5 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Twentieth Expanded Participating Area will become effective as of September 1, 1972.

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

Yours very truly,

James R. Permenter  
Supervising Landman  
Land Department  
Energy Resource Development

JRP:CTR:nja  
Enclosures  
San Juan 30-5 Unit 4.2

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

SAN JUAN 30-5 UNIT  
Working Interest Owners

Amoco Production Company (3)

Crown Central Petroleum Corporation

General American Oil Company of Texas

Lt. Col. Langdon Dewey Harrison,  
Trustee for Mrs. Omega E. Quinn

Phillips Petroleum Company

Skelly Oil Company

# El Paso Natural Gas Company

El Paso, Texas

August 16, 1961

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL AND NINETEENTH EXPANDED  
PARTICIPATING AREA, Mesaverde Formation  
Effective July 1, 1961

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, El Paso Natural Gas Company, as Unit Operator, determined on the dates set out below that two (2) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to this unit. The Participating Area for the Mesaverde Formation is expanded accordingly to include these wells as follows:

1. The San Juan 30-5 Unit #34-27 Well is located 990' from the North line and 990' from the East line of Section 27, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 5, 1961, and completed on June 3, 1961, at a total depth of 6071'. The Mesaverde Formation between 5804' - 5808', 5812' - 5822', 5830' - 5844', 5851' - 5857', 5948' - 5954' was treated with a sand-water fracturing process. This well was shut-in on

June 3, 1961, and after being shut-in for gauge for twenty-five (25) days, the well was tested on June 28, 1961, and following a three (3) hour blow-down period gauged 1992 MCFGPD through a 3/4" choke, and 2043 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1243 psia. The committed drilling block upon which this well is located is described as the E/2 of Section 27, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres. The determination that this well is capable of producing unitized substances in paying quantities from the Mesaverde Formation was made on June 28, 1961.

This drilling block was included in the Eighteenth Expanded Participating Area for the Mesaverde Formation, effective July 1, 1960, as an intervening drilling block, therefore, the participating area is not enlarged.

2. The San Juan 30-5 Unit #35-7 Well is located 1840' from the South line and 1650' from the West line of Section 7, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 17, 1961, and completed on June 10, 1961, at a total depth of 5600'. The Mesaverde Formation between 5310' - 5320', 5326' - 5332', 5366' - 5374', 5390' - 5408', 5450' - 5456', 5496' - 5504' was treated with a sand-water fracturing process. This well was shut-in on June 10, 1961, and after being shut-in for gauge for eighteen (18) days, the well was tested on June 28, 1961, and following a three (3) hour blow-down period gauged 3003 MCFGPD through a 3/4" choke, and 3193 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1208 psia. The committed drilling block upon which this well is located is described as the W/2 of Section 7, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres. The determination that this well is capable of producing unitized substances in paying quantities from the Mesaverde Formation was made on June 28, 1961.

Attached is Schedule XX showing the Nineteenth Expanded Participating Area for the Mesaverde Formation of the San Juan 30-5 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Nineteenth Expanded Participating Area will become effective as of July 1, 1961.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick  
T. W. Bittick  
Assistant Manager  
Land Department

TWB:AJM:cah

**SAN JUAN 30-5 UNIT**  
**Working Interest Owners**

**General American Oil Company of Texas**  
**Attention: Mr. James W. Goss, Jr.**  
**Meadows Building**  
**Dallas 6, Texas**

**Pan American Petroleum Corporation (12)**  
**Attention: Mr. L. O. Speer, Jr.**  
**P.O. Box 480**  
**Farmington, New Mexico**

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

**Phillips Petroleum Company**  
**Attention: Division Landman**  
**Land & Geological Department**  
**1200 Denver Club Building**  
**Denver 2, Colorado**

**Skelly Oil Company**  
**Attention: Mr. A. L. Cashman**  
**Skelly Building**  
**Tulsa, Oklahoma**

SCHEDULE XX  
NINETEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERTÉ FORMATION  
SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
NM 012331	T-30-N, R-5-W Sec. 31: NW/4	160.00	<u>TRACT 1</u>		<u>1.56260%</u>
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.;	82.50%	
			ORRI;	5.00%	
TOTAL		100.00%		100.00%	
NM 012335	T-30-N, R-5-W Sec. 31: SW/4	160.00	<u>TRACT 12</u>		<u>1.56260%</u>
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.;	82.50%	
			ORRI;	5.00%	
TOTAL		100.00%		100.00%	
San Juan 30-5 #12-31 Well	Sec. 31: W/2	320.00	<u>TRACT 1</u>		<u>3.12520%</u>
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.;	82.50%	
			ORRI;	5.00%	
TOTAL		100.00%		100.00%	
NM 012331	T-30-N, R-5-W Sec. 31: NE/4	160.00	<u>TRACT 1</u>		<u>1.56260%</u>
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.;	82.50%	
			ORRI;	5.00%	
TOTAL		100.00%		100.00%	

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
NM 012335	T-30-N, R-5-W Sec. 31: SE/4	160.00	<u>TRACT 12</u>		1.56260%
	Royalty;		12.50%	12.50%	
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		<u>100.00%</u>	<u>100.00%</u>	
					<u>3.12520%</u>
San Juan 30-5 #14-31 Well	Sec. 31: E/2	<u>320.00</u>	<u>TRACT 2</u>		3.12520%
	Royalty;		12.50%	12.50%	
	Working Interest:				
	El Paso Natural Gas Co.;		83.00%	83.00%	
	ORRI;		4.50%	4.50%	
	TOTAL		<u>100.00%</u>	<u>100.00%</u>	
					<u>3.12520%</u>
San Juan 30-5 #4-35 Well	Sec. 35: E/2	<u>320.00</u>	<u>TRACT 3</u>		3.12520%
	Royalty;		12.50%	12.50%	
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		<u>100.00%</u>	<u>100.00%</u>	
					<u>3.12520%</u>
SF 078738	T-30-N, R-5-W Sec. 23: W/2	320.00			
	Royalty;		12.50%	12.50%	
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		<u>100.00%</u>	<u>100.00%</u>	
					<u>3.12520%</u>
San Juan 30-5 #11-23 Well	Sec. 23: W/2	<u>320.00</u>			
					<u>100.00%</u>

Effective July 1, 1961



SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078738	T-30-N, R-5-W Sec. 26: NE/4 SW/4	40.00	<u>TRACT 3</u>		<u>.39065%</u>
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.;	82.50%	
			ORRI;	<u>5.00%</u>	
TOTAL	<u>100.00%</u>			<u>100.00%</u>	
			<u>TRACT 3</u>		
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.;	84.00%	
			ORRI;	<u>3.50%</u>	
			TOTAL	<u>100.00%</u>	
					<u>1.56260%</u>
Fee	T-30-N, R-5-W Sec. 26: W/2 SW/4, SE/4 SW/4	120.00	<u>TRACT 24</u>		<u>1.17195%</u>
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.;	87.50%	
			ORRI;	<u>.00%</u>	
TOTAL	<u>100.00%</u>			<u>100.00%</u>	
					<u>3.12520%</u>

San Juan 30-5  
 #16-26 Well  
 Sec. 26: W/2  
 320.00

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
				PERCENTAGE COMMITTED	
SF 078738	T-30-N, R-5-W Sec. 27: SW/4, E/2 NW/4	240.00			
			TRACT 3		
			Royalty;	12.50%	12.50%
			Working Interest:		
			El Paso Natural Gas Co.;	82.50%	82.50%
			ORRI;	5.00%	5.00%
			TOTAL	100.00%	100.00%
					2.34390%
Fee	T-30-N, R-5-W Sec. 27: W/2 NW/4	80.00			
			TRACT 23		
			Royalty;	12.50%	12.50%
			Working Interest:		
			El Paso Natural Gas Co.;	87.50%	87.50%
			ORRI;	.00%	.00%
			TOTAL	100.00%	100.00%
					.78130%
San Juan 30-5 #31-27 Well	Sec. 27: W/2	320.00			
			TRACT 3		
			Royalty;	12.50%	12.50%
			Working Interest:		
			El Paso Natural Gas Co.;	82.50%	82.50%
			ORRI;	5.00%	5.00%
			TOTAL	100.00%	100.00%
					2.73455%
SF 078738	T-30-N, R-5-W Sec. 27: NE/4, NW/4 SE/4, S/2 SE/4	280.00			
			TRACT 24		
			Royalty;	12.50%	12.50%
			Working Interest:		
			El Paso Natural Gas Co.;	87.50%	87.50%
			ORRI;	.00%	.00%
			TOTAL	100.00%	100.00%
					.39065%
Fee	T-30-N, R-5-W Sec. 27: NE/4 SE/4	40.00			
			TRACT 24		
			Royalty;	12.50%	12.50%
			Working Interest:		
			El Paso Natural Gas Co.;	87.50%	87.50%
			ORRI;	.00%	.00%
			TOTAL	100.00%	100.00%
					3.12520%
San Juan 30-5 #34-27 Well	Sec. 27: E/2	320.00			
			TRACT 24		
			Royalty;	12.50%	12.50%
			Working Interest:		
			El Paso Natural Gas Co.;	87.50%	87.50%
			ORRI;	.00%	.00%
			TOTAL	100.00%	100.00%
					3.12520%

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078738	T-30-N, R-5-W Sec. 23: E/2	320.00	<u>TRACT 3</u>		
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		100.00%	100.00%	
					<u>3.12520%</u>
San Juan 30-5 #28-23-X Well	Sec. 23: E/2	<u>320.00</u>	<u>TRACT 3</u>		
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		100.00%	100.00%	
					<u>3.12520%</u>
SF 078738	T-30-N, R-5-W Sec. 26: E/2	<u>320.00</u>	<u>TRACT 4</u>		
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		84.50%	84.50%	
	ORRI;		3.00%	3.00%	
	TOTAL		100.00%	100.00%	
					<u>3.12520%</u>
San Juan 30-5 #1-22 Well	Sec. 22: E/2	<u>320.00</u>	<u>TRACT 4</u>		
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		84.50%	84.50%	
	ORRI;		3.00%	3.00%	
	TOTAL		100.00%	100.00%	
					<u>3.12520%</u>

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE		
			PERCENTAGE COMMITTED			
SF 078739	T-30-N, R-5-W Sec. 21: SW/4	160.00	<u>TRACT 4</u>		<u>1.56260%</u>	
			Royalty;	12.50%		12.50%
			Working Interest: El Paso Natural Gas Co.;	84.50%		84.50%
			ORRI;	<u>3.00%</u>		<u>3.00%</u>
	TOTAL		<u>100.00%</u>	<u>100.00%</u>		
			<u>TRACT 22</u>			
Fee	T-30-N, R-5-W Sec. 21: NW/4	160.00	Royalty;	12.50%	12.50%	
			Working Interest: El Paso Natural Gas Co.;	87.50%	87.50%	
			ORRI;	<u>.00%</u>	<u>.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 5</u>			
San Juan 30-5 #30-21 Well	Sec. 21: W/2	320.00	Royalty;	12.50%	12.50%	
			Working Interest: El Paso Natural Gas Co.;	82.50%	82.50%	
			ORRI;	<u>5.00%</u>	<u>5.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 5</u>			
SF 078740	T-30-N, R-5-W Sec. 20: E/2	320.00	Royalty;	12.50%	12.50%	
			Working Interest: El Paso Natural Gas Co.;	82.50%	82.50%	
			ORRI;	<u>5.00%</u>	<u>5.00%</u>	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	
			<u>TRACT 5</u>			
No Well	Sec. 20: E/2	320.00			<u>100.00%</u>	
					<u>3.12520%</u>	

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078740	T-30-N, R-5-W Sec. 29: N/2 NW/4, SW/4 NW/4	120.00			
			TRACT 5 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL		12.50% 82.50% 5.00% 100.00%
					1.17195%
SF 078740	T-30-N, R-5-W Sec. 29: SW/4, SE/4 NW/4	200.00			
			TRACT 5 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL		12.50% 83.00% 4.50% 100.00%
					1.95325%
San Juan 30-5 #7-29 Well	Sec. 29: W/2	320.00			
			TRACT 5 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL		12.50% 82.50% 5.00% 100.00%
					3.12520%
SF 078740	T-30-N, R-5-W Sec. 19: E/2	320.00			
			TRACT 5 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL		12.50% 82.50% 5.00% 100.00%
					3.12520%
San Juan 30-5 #15-19 Well	Sec. 19: E/2	320.00			
			TRACT 5 Royalty; Working Interest: El Paso Natural Gas Co.; ORRI; TOTAL		12.50% 82.50% 5.00% 100.00%
					3.12520%

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
			PERCENTAGE COMMITTED		
SF 078740	T-30-N, R-5-W Sec. 30: E/2	320.00			
<u>TRACT 5</u>					
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		83.00%	83.00%	
	ORRI;		4.50%	4.50%	
	TOTAL		100.00%	100.00%	
				100.00%	3.12520%
San Juan 30-5 #5-30 Well	Sec. 30: E/2	320.00			
<u>TRACT 5</u>					
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		100.00%	100.00%	
				100.00%	3.12520%
San Juan 30-5 #27-20 Well	Sec. 20: W/2	320.00			
<u>TRACT 6</u>					
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		100.00%	100.00%	
				100.00%	3.12520%
SF 078994	T-30-N, R-5-W Sec. 18: W/2	320.00			
<u>TRACT 6</u>					
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		100.00%	100.00%	
				100.00%	3.12520%
San Juan 30-5 #10-18 Well	Sec. 18: W/2	320.00			
<u>TRACT 6</u>					
	Royalty;		12.50%	12.50%	3.12520%
	Working Interest:				
	El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		100.00%	100.00%	
				100.00%	3.12520%

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
SF 078994	T-30-N, R-5-W Sec. 18: E/2	320.00	<u>TRACT 6</u>		3.12520%
			Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	
			82.50%	82.50%	
			<u>5.00%</u>	<u>5.00%</u>	
			100.00%	100.00%	
			TOTAL	<u>100.00%</u>	
					<u>3.12520%</u>
San Juan 30-5 #19-18 Well	Sec. 18: E/2	320.00	<u>TRACT 6</u>		2.34390%
			Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	
			82.50%	82.50%	
			<u>5.00%</u>	<u>5.00%</u>	
			100.00%	100.00%	
			TOTAL	<u>100.00%</u>	
					<u>2.34390%</u>
SF 078994	T-30-N, R-5-W Sec. 17: SW/4, S/2 NW/4	240.00	<u>TRACT 25</u>		.74224%
			Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	
			87.50%	87.50%	
			<u>.00%</u>	<u>.00%</u>	
			100.00%	100.00%	
			TOTAL	<u>100.00%</u>	
					<u>.74224%</u>
Fee	T-30-N, R-5-W Sec. 17: N/2 NW/4 (except 4.00 acres)	76.00			

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
Fee	T-30-N, R-5-W Sec. 17: A Tract of Land 1200' long by 450' wide lying in the NW/4 of Sec. 17	4.00	TRACT 25-A		<u>.03907%</u>
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.; ORRI;	87.50% <u>.00%</u> 100.00%	
			TRACT 7		
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.; ORRI;	82.50% <u>5.00%</u> 100.00%	
			TOTAL	100.00%	<u>3.12520%</u>
			TRACT 7		
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.; ORRI;	82.50% <u>5.00%</u> 100.00%	
			TOTAL	100.00%	<u>3.12520%</u>
			TRACT 7		
			Royalty;	12.50%	
			Working Interest: El Paso Natural Gas Co.; ORRI;	82.50% <u>5.00%</u> 100.00%	
			TOTAL	100.00%	<u>.78130%</u>

Effective July 1, 1961



SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
			PERCENTAGE	COMMITTED	
SF 080066	T-30-N, R-5-W Sec. 6: Lots 8,9, S/2 NE/4, N/2 SE/4	239.34			
			<u>TRACT 11</u>		
			Royalty; 12.50%	12.50%	<u>2.33746%</u>
			Working Interest: 82.50%	82.50%	
			El Paso Natural Gas Co.; 5.00%	5.00%	
			ORRI; 100.00%	100.00%	
			TOTAL		
					<u>3.11876%</u>
					<u>319.34</u>
San Juan 30-5 #17-6 Well	Sec. 6: E/2				
SF 078997	T-30-N, R-5-W Sec. 7: NE/4, N/2 SE/4, SE/4 SE/4	280.00			
			<u>TRACT 7</u>		
			Royalty; 12.50%	12.50%	<u>2.73455%</u>
			Working Interest: 82.50%	82.50%	
			El Paso Natural Gas Co.; 5.00%	5.00%	
			ORRI; 100.00%	100.00%	
			TOTAL		
					<u>3.11876%</u>
					<u>280.00</u>
San Juan 30-5 #23-7 Well	Sec. 7: E/2				
SF 078997	T-30-N, R-5-W Sec. 7: NW/4, NW/4 SW/4	200.00			
			<u>TRACT 7</u>		
			Royalty; 12.50%	12.50%	<u>1.95325%</u>
			Working Interest: 82.50%	82.50%	
			El Paso Natural Gas Co.; 5.00%	5.00%	
			ORRI; 100.00%	100.00%	
			TOTAL		
					<u>3.12520%</u>
					<u>200.00</u>

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
			PERCENTAGE COMMITTED		
<b>TRACT 19</b>					
Fee	T-30-N, R-5-W Sec. 7: S/2 SW/4, NE/4 SW/4	120.00	12.50%	12.50%	1.17195%
	Royalty; Working Interest: El Paso Natural Gas Co.;		87.50%	87.50%	
	ORRI;		.00%	.00%	
	TOTAL		100.00%	100.00%	
San Juan 30-5 #35-7 Well	Sec. 7: W/2	320.00		100.00%	3.12520%
<b>TRACT 7</b>					
SF 078997	T-30-N, R-5-W Sec. 8: NW/4, N/2 SW/4	240.00	12.50%	12.50%	2.34390%
	Royalty; Working Interest: El Paso Natural Gas Co.;		82.50%	82.50%	
	ORRI;		5.00%	5.00%	
	TOTAL		100.00%	100.00%	
Fee	T-30-N, R-5-W Sec. 8: S/2 SW/4	80.00	12.50%	12.50%	.78130%
	Royalty; Working Interest: El Paso Natural Gas Co.;		87.50%	87.50%	
	ORRI;		.00%	.00%	
	TOTAL		100.00%	100.00%	
<b>TRACT 25</b>					
San Juan 30-5 #26-8 Well	Sec. 8: W/2	320.00		100.00%	3.12520%
<b>TRACT 14</b>					
SF 080537	T-30-N, R-5-W Sec. 24: W/2	320.00	12.500%	12.500%	3.12520%
	Royalty; Working Interest: El Paso Natural Gas Co.;		83.125%	83.125%	
	ORRI;		4.375%	4.375%	
	TOTAL		100.000%	100.000%	
San Juan 30-5 #21-24 Well	Sec. 24: W/2	320.00		100.000%	3.12520%

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
			PERCENTAGE COMMITTED		
SF 080538	T-30-N, R-5-W Sec. 11: E/2	320.00	<u>TRACT 15</u>		
			Royalty;	12.500%	12.500%
			Working Interest;		
			E1 Paso Natural Gas Co.;	83.125%	83.125%
			ORRI;	<u>4.375%</u>	<u>4.375%</u>
			TOTAL	100.000%	100.000%
					<u>3.12521%</u>
					<u>3.12521%</u>
San Juan 30-5 #8-11 Well	Sec. 11: E/2	<u>320.00</u>	<u>TRACT 15</u>		
			Royalty;	12.500%	12.500%
			Working Interest;		
			E1 Paso Natural Gas Co.;	83.125%	83.125%
			ORRI;	<u>4.375%</u>	<u>4.375%</u>
			TOTAL	100.000%	100.000%
					<u>3.12521%</u>
					<u>3.12521%</u>
SF 080538	T-30-N, R-5-W Sec. 14: E/2	320.00	<u>TRACT 15</u>		
			Royalty;	12.500%	12.500%
			Working Interest;		
			E1 Paso Natural Gas Co.;	83.125%	83.125%
			ORRI;	<u>4.375%</u>	<u>4.375%</u>
			TOTAL	100.000%	100.000%
					<u>3.12521%</u>
					<u>3.12521%</u>
No Well	Sec. 14: E/2	<u>320.00</u>	<u>TRACT 17</u>		
			Royalty;	12.50%	12.50%
			Working Interest;		
			E1 Paso Natural Gas Co.;	87.50%	87.50%
			ORRI;	<u>.00%</u>	<u>.00%</u>
			TOTAL	100.00%	100.00%
					<u>1.56260%</u>
					<u>1.56260%</u>
E-347-7	T-30-N, R-5-W Sec. 16: NE/4	160.00	<u>TRACT 17</u>		
			Royalty;	12.50%	12.50%
			Working Interest;		
			E1 Paso Natural Gas Co.;	87.50%	87.50%
			ORRI;	<u>.00%</u>	<u>.00%</u>
			TOTAL	100.00%	100.00%
					<u>1.56260%</u>
					<u>1.56260%</u>

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
E-347-26	T-30-N, R-5-W Sec. 16: SE/4	160.00		<u>TRACT 17-F</u>	12.50%	12.50%	<u>1.56260%</u>
	Royalty;						
	Working Interest:						
	EI Paso Natural Gas Co.;				82.50%	82.50%	
	ORRI;				5.00%	5.00%	
	TOTAL				<u>100.00%</u>	<u>100.00%</u>	
San Juan 30-5 <u>#13-16 Well</u>	Sec. 16: E/2	<u>320.00</u>					<u>3.12520%</u>
E-347-8	T-30-N, R-5-W Sec. 16: N/2 NW/4	80.00		<u>TRACT 17-A</u>	12.50%	12.50%	<u>.78130%</u>
	Royalty;						
	Working Interest:						
	EI Paso Natural Gas Co.;				82.75%	82.75%	
	ORRI;				4.75%	4.75%	
	TOTAL				<u>100.00%</u>	<u>100.00%</u>	
E-347-17	T-30-N, R-5-W Sec. 16: S/2 NW/4	80.00		<u>TRACT 17-D</u>	12.50%	12.50%	<u>.78130%</u>
	Royalty;						
	Working Interest:						
	EI Paso Natural Gas Co.;				82.50%	82.50%	
	ORRI;				5.00%	5.00%	
	TOTAL				<u>100.00%</u>	<u>100.00%</u>	

Effective July 1, 1961

**SCHEDULE XX**

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
E-347-26	T-30-N, R-5-W Sec. 16: SW/4	160.00	<u>TRACT 17-F</u>		12.50%	1.56260%
			Royalty;	12.50%		
	Working Interest:					
	EI Paso Natural Gas Co.;		82.50%	82.50%		
	ORRI;		5.00%	5.00%		
	TOTAL		<u>100.00%</u>	<u>100.00%</u>		
San Juan 30-5 #24-16 Well	Sec. 16: W/2	<u>320.00</u>	<u>TRACT 17-B</u>		100.00%	3.12520%
			Royalty;	12.50%		
	Working Interest:					
	EI Paso Natural Gas Co.;		82.50%	82.50%		
	ORRI;		5.00%	5.00%		
	TOTAL		<u>100.00%</u>	<u>100.00%</u>		
E-347-26	T-30-N, R-5-W Sec. 32: SW/4	160.00	<u>TRACT 17-F</u>		12.50%	1.56260%
			Royalty;	12.50%		
	Working Interest:					
	EI Paso Natural Gas Co.;		82.50%	82.50%		
	ORRI;		5.00%	5.00%		
	TOTAL		<u>100.00%</u>	<u>100.00%</u>		
San Juan 30-5 #9-32 Well	Sec. 32: W/2	<u>320.00</u>	<u>TRACT 17-F</u>		100.00%	3.12520%
			Royalty;	12.50%		
	Working Interest:					
	EI Paso Natural Gas Co.;		82.50%	82.50%		
	ORRI;		5.00%	5.00%		
	TOTAL		<u>100.00%</u>	<u>100.00%</u>		

Effective July 1, 1961

SCHEDULE XX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
<b>TRACT 18</b>					
Fee	T-30-N, R-5-W Sec. 8: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>
<b>TRACT 20</b>					
Fee	T-30-N, R-5-W Sec. 17: NE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>
<b>TRACT 21</b>					
Fee	T-30-N, R-5-W Sec. 17: SE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>
San Juan 30-5 #22-17 Well	Sec. 17: E/2	320.00			<u>100.00%</u>

Effective July 1, 1961

SCHEDULE XX

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

RECAPITULATION

Township 30 North, Range 5 West, N.M.P.M.  
Sections 7,8,16,17,18,20,23,26,27,31: All  
Sections 9,21,24,29,32: W/2  
Sections 6,11,14,19,22,30,35: E/2

Total Number of Acres in Participating Area: 10,239.34  
 Total Number of Acres committed to Participating Area: 10,239.34

# El Paso Natural Gas Company

El Paso, Texas

July 5, 1961

47

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Drawer 1857  
Roswell, New Mexico

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well has been completed in the Mesaverde Formation upon acreage committed to this Unit. This well is as follows:

The San Juan 30-5 Unit #33 Well is located 890' from the North line and 1150' from the East line of Section 20, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on April 22, 1961, and completed on May 19, 1961, at a total depth of 5776'. The Mesaverde Formation between 5614' - 5622', 5626' - 5634', 5664' - 5670', 5704' - 5710', 5716' - 5720', 5740' - 5746' was treated with a sand-water fracturing process. After being shut-in for gauge for eight (8) days, the well was tested on May 26, 1961, and following a three (3) hour blow-down period gauged 1342 MCFGPD through a 3/4" choke, and 1363 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1073#. This well was completed without tubing. The committed drilling block upon which this well is located is described as the E/2 of Section 20, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres.



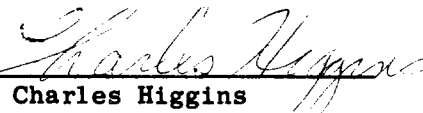
This drilling block was included in the Seventeenth Expanded Participating Area, effective June 1, 1960, as an intervening drilling block. Therefore, the Participating Area is not enlarged.

A copy of this letter is being sent to the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By



Charles Higgins  
Area Coordinator  
Land Department

CH: AJM: cah

**SAN JUAN 30-5 UNIT**  
**Working Interest Owners**

**General American Oil Company of Texas**  
**Attention: Mr. James W. Goss, Jr.**  
**Meadows Building**  
**Dallas 6, Texas**

**Pan American Petroleum Corporation (12)**  
**Attention: Mr. L. O. Speer, Jr.**  
**Post Office Box 480**  
**Farmington, New Mexico**

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

**Phillips Petroleum Company**  
**Attention: Division Landman**  
**Land & Geological Department**  
**1200 Denver Club Building**  
**Denver 2, Colorado**

**Skelly Oil Company**  
**Attention: Mr. A. L. Cashman**  
**Skelly Building**  
**Tulsa, Oklahoma**

*El Paso Natural Gas Company*  
MAIN OFFICE CCC

*El Paso, Texas*

1960 AUG 23 AM 8:55

August 24, 1960

417

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 30-5 Unit, #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this Unit. This well is as follows:

The San Juan 30-5 Unit #29-14 Well is located 1840' from the North line and 1840' from the East line of Section 14, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 22, 1960, and completed on June 17, 1960 at a total depth of 6065'. The Mesaverde Formation between 5784' - 5816', 5860' - 5872', 5882' - 5900', 5918' - 5954', 5984' - 5988', 6000' - 6010' was treated with a sand-water fracturing process. After being shut-in for gauge for twenty-eight (28) days, the well was tested on July 15, 1960, and following a three (3) hour blow-down period gauged 3912 MCFGPD through a 3/4" choke, and 6017 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1226# and an SIPT of 1178#. The committed drilling block upon which this well is located is described as the E/2 of Section 14, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres. The determination that this well is capable of producing unitized substances in paying quantities was made on July 15, 1960.

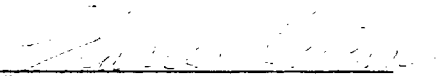
This drilling block was included in the Sixteenth Expanded Participating Area, effective November 1, 1959, as an intervening drilling block. Therefore, the Participating Area is not enlarged, and the percentages allocated to the tracts shown on Schedule XVII for the Sixteenth Expanded Participating Area remain the same.

A copy of this letter is being sent to each of the working interest owners shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY

By

  
Charles Higgins  
Area Coordinator  
Land Department

CH:JNN:cah

**SAN JUAN 30-5 UNIT**  
**WORKING INTEREST OWNERS**

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

General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas  
Attention: Mr. W. P. Barnes

Pan American Petroleum Corporation  
Post Office Box 480  
Farmington, New Mexico  
Attention: Mr. L. O. Speer, Jr. (12)

Skelly Oil Company  
Skelly Building  
Tulsa, Oklahoma  
Attention: Mr. A. L. Cashman

El Paso Natural Gas Company 1115 630

El Paso, Texas

1115 630 4 AM 8 14

August 1, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
EIGHTEENTH EXPANDED PARTICIPATING AREA  
Mesaverde Formation  
Effective July 1, 1960

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit. The Participating Area for the Mesaverde Formation is expanded accordingly to include this well as follows:

The San Juan 30-5 Unit #31-27 Well is located 1840' from the South line and 1090' from the West line of Section 27, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on May 2, 1960, and completed on May 22, 1960 at a total depth of 5890'. The Mesaverde Formation between 5584' - 5592', 5598' - 5608', 5630' - 5644', 5656' - 5690', 5726' - 5738', 5742' - 5754', 5764' - 5778', 5798' - 5806', 5826' - 5832' was treated with a sand-water fracturing process. After being shut-in for gauge for eleven (11) days, the well was tested on June 2, 1960, and following a three (3) hour blow-down period gauged 2227 MCFGPD through a 3/4" choke and 2578 MCFGPD by the calculated absolute open-flow method, with an SIPC of 1173# and an SIPT of 968#. The committed drilling block upon which this well is located is described as the W/2 of Section 27, Township 30 North, Range 5 West, N.M.P.M., and

consists of 320.00 acres. The determination that this well is capable of producing unitized substances in paying quantities from the Mesaverde Formation was made on June 2, 1960.

The completion of the San Juan 30-5 Unit #31-27 Well creates one (1) intervening drilling block described as the E/2 of Section 27, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres.

Under the terms of the San Juan 30-5 Unit Agreement, the above described intervening drilling block is admitted to the Mesaverde Participating Area as of July 1, 1960. A well must be commenced on this block by July 1, 1961.

Attached is Schedule XIX showing the Eighteenth Expanded Participating Area for the Mesaverde Formation of the San Juan 30-5 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Eighteenth Expanded Participating Area will become effective as of July 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By 

T. W. Bittick  
Assistant Manager  
Land Department

TWB: JNN: cah

SAN JUAN 30-5 UNIT

WORKING INTEREST OWNERS

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

General American Oil Company of Texas  
Meadows Building  
Dallas 6, Texas  
Attn: Mr. W. P. Barnes

Pan American Petroleum Corporation  
P.O. Box 480  
Farmington, New Mexico  
Attn: Mr. L. O. Speer, Jr. (12)

Skelly Oil Company  
Skelly Building  
Tulsa, Oklahoma  
Attn: Mr. A. L. Cashman



SCHEDULE XIX  
 EIGHTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 012331	T-30-N, R-5-W Sec. 31: NW/4	160.00	Tract 1			
			Royalty;	12.50%	12.50%	<u>1.61301%</u>
			Working Interest; El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
			TOTAL	100.00%	100.00%	
			Tract 12			
NM 012335	T-30-N, R-5-W Sec. 31: SW/4	160.00	Tract 12			
			Royalty;	12.50%	12.50%	<u>1.61301%</u>
			Working Interest; El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
			TOTAL	100.00%	100.00%	
San Juan 30-5 #12-31 Well	Sec. 31: W/2	320.00	Tract 1			
			Royalty;	12.50%	12.50%	<u>3.22602%</u>
			Working Interest; El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
			TOTAL	100.00%	100.00%	
NM U12331	T-30-N, R-5-W Sec. 31: NE/4	160.00	Tract 1			
			Royalty;	12.50%	12.50%	<u>1.61301%</u>
			Working Interest; El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
			TOTAL	100.00%	100.00%	

Effective July 1, 1960

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 12</u>						
NM 012335	T-30-N, R-5-W Sec. 31: SE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co. ; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>1.61301%</u>
<u>Tract 2</u>						
San Juan 30-5 #14-31 Well	Sec. 31: E/2	<u>320.00</u>				<u>100.00%</u>
NM 012332	T-30-N, R-5-W Sec. 35: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co. ; ORRI;	12.50% 83.00% 4.50% 100.00%	12.50% 83.00% 4.50% 100.00%	<u>3.22602%</u>
<u>Tract 3</u>						
San Juan 30-5 #4 Well	Sec. 35: E/2	<u>320.00</u>				<u>100.00%</u>
SF 078738	T-30-N, R-5-W Sec. 23: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co. ; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>3.22602%</u>
San Juan 30-5 #11-23 Well	Sec. 23: W/2	<u>320.00</u>				<u>100.00%</u>

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION		
			OWNERSHIP	PERCENTAGE			
SF 078738	T-30-N, R-5-W Sec. 26: NE/4 SW/4	40.00	<u>Tract 3</u>		.40325%		
			Royalty;	12.50%		12.50%	
			Working Interest;	82.50%		82.50%	
			El Paso Natural Gas Co.;	5.00%		5.00%	
			ORRI;	100.00%		100.00%	
			TOTAL	100.00%		100.00%	
			<u>Tract 3</u>				
			Royalty;	12.50%		12.50%	
			Working Interest;	84.00%		84.00%	
			El Paso Natural Gas Co.;	3.50%		3.50%	
ORRI;	100.00%	100.00%					
TOTAL	100.00%	100.00%					
<u>Tract 24</u>							
Royalty;	12.50%	12.50%					
Working Interest;	87.50%	87.50%					
El Paso Natural Gas Co.;	.00%	.00%					
ORRI;	100.00%	100.00%					
TOTAL	100.00%	100.00%					
<u>Fee</u>		<u>1.20976%</u>					
San Juan 30-5 #16-26 Well	T-30-N, R-5-W Sec. 26: W/2 SW/4, SE/4 SW/4	120.00	<u>Tract 3</u>		3.22602%		
			Royalty;	12.50%		12.50%	
			Working Interest;	87.50%	87.50%		
			El Paso Natural Gas Co.;	.00%	.00%		
			ORRI;	100.00%	100.00%		
			TOTAL	100.00%	100.00%		
			<u>Tract 24</u>				
			Royalty;	12.50%	12.50%		
			Working Interest;	87.50%	87.50%		
			El Paso Natural Gas Co.;	.00%	.00%		
			ORRI;	100.00%	100.00%		
			TOTAL	100.00%	100.00%		
			<u>Fee</u>		<u>1.20976%</u>		
			<u>San Juan 30-5 #16-26 Well</u>		<u>3.22602%</u>		

Effective July 1, 1960

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
<u>Tract 3</u>					
SF 078738	T-30-N, R-5-W	240.00	Royalty;	12.50%	2.41952%
	Sec. 27: SW/4, E/2 NW/4		Working Interest;	82.50%	
			El Paso Natural Gas Co.;	5.00%	
			ORRI;	100.00%	
			TOTAL	100.00%	
			<u>Tract 23</u>		
Fee	T-30-N, R-5-W	80.00	Royalty;	12.50%	.80651%
	Sec. 27: W/2 NW/4		Working Interest;	87.50%	
			El Paso Natural Gas Co.;	.00%	
			ORRI;	100.00%	
			TOTAL	100.00%	
			<u>Tract 3</u>		
<u>San Juan 30-5 #31-27 Well</u>					
	Sec. 27: W/2	320.00		100.00%	3.22603%
SF 078738	T-30-N, R-5-W	280.00	Royalty;	12.50%	
	Sec. 27: NE/4, NW/4, SE/4, S/2 SE/4		Working Interest;	82.50%	
			El Paso Natural Gas Co.;	5.00%	
			ORRI;	100.00%	
			TOTAL	100.00%	
			<u>Tract 24</u>		
Fee	T-30-N, R-5-W	40.00	Royalty;	12.50%	.40325%
	Sec. 27: NE/4 SE/4		Working Interest;	87.50%	
			El Paso Natural Gas Co.;	.00%	
			ORRI;	100.00%	
			TOTAL	100.00%	
			<u>No Well</u>		
	Sec. 27: E/2	320.00		100.00%	3.22602%

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 3</u>						
SF 078738	T-30-N, R-5-W Sec. 23: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	82.50%	3.22602%
			ORRI;		5.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 3</u>						
SF 078738	T-30-N, R-5-W Sec. 26: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	82.50%	3.22602%
			ORRI;		5.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 4</u>						
SF 078739	T-30-N, R-5-W Sec. 22: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	84.50%	3.22602%
			ORRI;		3.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 4</u>						
SF 078739	T-30-N, R-5-W Sec. 26: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	84.50%	3.22602%
			ORRI;		3.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 4</u>						
SF 078739	T-30-N, R-5-W Sec. 22: E/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	84.50%	3.22602%
			ORRI;		3.00%	
			TOTAL	100.00%	100.00%	

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 4</u>						
SF 078739	T-30-N, R-5-W Sec. 21: SW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 84.50% 3.00%	12.50% 84.50% 3.00%	1.61301%
			ORRI;			
			TOTAL	100.00%	100.00%	
			<u>Tract 22</u>			
Fee	T-30-N, R-5-W Sec. 21: NW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 87.50% .00%	12.50% 87.50% .00%	1.61301%
			ORRI;			
			TOTAL	100.00%	100.00%	
<u>San Juan 30-5</u>						
<u>#30-21 Well</u>						
	Sec. 21: W/2	320.00				3.22602%
<u>Tract 5</u>						
SF U. 5740	T-30-N, R-5-W Sec. 20: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	3.22602%
			ORRI;			
			TOTAL	100.00%	100.00%	
<u>No Well</u>						
	Sec. 20: E/2	320.00				3.22602%

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 5</u>						
SF 078740	T-30-N, R-5-W Sec. 29: N/2 NW/4, SW/4 NW/4	120.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	<u>1.20976%</u>
<u>Tract 5</u>						
SF 078740	T-30-N, R-5-W Sec. 29: SW/4, SE/4 NW/4	200.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 83.00% 4.50% <u>100.00%</u>	12.50% 83.00% 4.50% <u>100.00%</u>	<u>2.01626%</u>
<u>Tract 5</u>						
San Juan 30-5 #7-29 Well	Sec. 29: W/2	320.00			<u>100.00%</u>	<u>3.22602%</u>
<u>Tract 5</u>						
SF 8740	T-30-N, R-5-W Sec. 19: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	<u>3.22602%</u>
<u>Tract 5</u>						
San Juan 30-5 #15-19 Well	Sec. 19: E/2	320.00			<u>100.00%</u>	<u>3.22602%</u>

Effective July 1, 1960

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
<u>Tract 5</u>					
SF 078740	T-30-N, R-5-W Sec. 30: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 83.00% 4.50% 100.00%	3.22602%
<u>TOTAL</u>					
				100.00%	3.22602%
<u>Tract 5</u>					
San Juan 30-5 #5-30 Well	Sec. 30: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	3.22602%
<u>TOTAL</u>					
				100.00%	3.22602%
<u>Tract 6</u>					
SF 078994	T-30-N, R-5-W Sec. 18: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	3.22602%
<u>TOTAL</u>					
				100.00%	3.22602%
<u>Tract 6</u>					
San Juan 30-5 #27 70 Well	Sec. 20: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	3.22602%
<u>TOTAL</u>					
				100.00%	3.22602%
<u>Tract 6</u>					
San Juan 30-5 #10-18 Well	Sec. 18: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	3.22602%
<u>TOTAL</u>					
				100.00%	3.22602%

Effective July 1, 1960



SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
<u>Tract 6</u>					
SF 078994	T-30-N, R-5-W Sec. 18: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%
			ORRI;	100.00%	100.00%
			TOTAL	100.00%	100.00%
					3.22602%
<u>Tract 6</u>					
Ban Juan 30-5 #19-18 Well	Sec. 18: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%
			ORRI;	100.00%	100.00%
			TOTAL	100.00%	100.00%
					3.22602%
<u>Tract 25</u>					
SF 078994	T-30-N, R-5-W Sec. 17: SW/4, S/2 NW/4	240.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%
			ORRI;	100.00%	100.00%
			TOTAL	100.00%	100.00%
					2.41952%
<u>Tract 25</u>					
Fee	T-30-N, R-5-W Sec. 17: N/2 NW/4 (except 4.00 acres)	76.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 87.50% .00%	12.50% 87.50% .00%
			ORRI;	100.00%	100.00%
			TOTAL	100.00%	100.00%
					.76619%

Effective July 1, 1960

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 25-A</u>						
Fee	T-30-N, R-5-W Sec. 17: A Tract of Land 1200' long by 450' wide lying in the NW/4 of Sec. 17	4.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	87.50%	.04032%
			ORRI;	.00%	.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 7</u>						
San Juan 30-5 #25-17 Well	Sec. 17: W/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	82.50%	3.22603%
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 7</u>						
SF 078997	T-30-N, R-5-W Sec. 9: W/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	82.50%	3.22602%
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 7</u>						
SF 078997	T-30-N, R-5-W Sec. 6: S/2 SE/4	80.00	Royalty; Working Interest: El Paso Natural Gas Co.;	12.50%	82.50%	.80651%
			ORRI;	5.00%	5.00%	
			TOTAL	100.00%	100.00%	

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 11</u>						
SF 080066	T-30-N, R-5-W Sec. 6: Lots 8, 9, S/2 NE/4, N/2 SE/4	239.34	Royalty;	12.50%	12.50%	<u>2.41287%</u>
			Working Interest;	82.50%	82.50%	
			El Paso Natural Gas Co.;	5.00%	5.00%	
			ORRI;	<u>100.00%</u>	<u>100.00%</u>	
<u>Tract 7</u>						
SF 078997	T-30-N, R-5-W Sec. 7: NE/4, N/2 SE/4, SE/4 SE/4	280.00	Royalty;	12.50%	12.50%	<u>2.82277%</u>
			Working Interest;	82.50%	82.50%	
			El Paso Natural Gas Co.;	5.00%	5.00%	
			ORRI;	<u>100.00%</u>	<u>100.00%</u>	
<u>Tract 19</u>						
Fee	T-30-N, R-5-W Sec. 7: SW/4 SE/4	40.00	Royalty;	12.50%	12.50%	<u>.40325%</u>
			Working Interest;	87.50%	87.50%	
			El Paso Natural Gas Co.;	.00%	.00%	
			ORRI;	<u>100.00%</u>	<u>100.00%</u>	
<u>Tract 7</u>						
San Juan 30-5 #23-7 Well	Sec. 7: E/2	320.00	TOTAL	<u>100.00%</u>	<u>100.00%</u>	<u>3.22602%</u>

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 7</u>						
SF 078997	T-30-N, R-5-W Sec. 8: NW/4, N/2 SW/4	240.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>	<u>2.41952%</u>
<u>Tract 25</u>						
fee	T-30-N, R-5-W Sec. 8: S/2 SW/4	80.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% <u>100.00%</u>	12.50% 87.50% .00% <u>100.00%</u>	<u>.80651%</u>
<u>Tract 14</u>						
San Juan 30-5 #26-8 Well	Sec. 8: W/2	320.00				<u>3.22603%</u>
SF \ 537	T-30-N, R-5-W Sec. 24: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% 4.375% <u>100.00%</u>	12.500% 83.125% 4.375% <u>100.00%</u>	<u>3.22602%</u>
San Juan 30-5 #21-24 Well	Sec. 24: W/2	320.00				<u>3.22602%</u>

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 15</u>						
SF 080538	T-30-N, R-5-W Sec. 11: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.500% 83.125% 4.375%	12.500%	3.22602%
			ORRI;	100.000%		
			TOTAL	100.000%		
<u>Tract 15</u>						
					100.0000%	3.22602%
<u>Tract 15</u>						
			Royalty; Working Interest; El Paso Natural Gas Co.;	12.500% 83.125% 4.375%	12.500%	3.22602%
			ORRI;	100.000%		
			TOTAL	100.000%		
<u>Tract 17</u>						
No. 1	Sec. 14: E/2	320.00			100.0000%	3.22602%
<u>Tract 17</u>						
E-347-7	T-30-N, R-5-W Sec. 16: NE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 87.50% .00%	12.50%	1.61301%
			ORRI;	100.00%		
			TOTAL	100.00%		

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE	
<u>Tract 17-F</u>					
E-347-26	T-30-N, R-5-W Sec. 16: SE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>
			TOTAL		<u>1.61301%</u>
<u>Tract 17-A</u>					
E-347-8	T-30-N, R-5-W Sec. 16: N/2 NW/4	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 82.75% 4.75% <u>100.00%</u>	12.50% 82.75% 4.75% <u>100.00%</u>
			TOTAL		<u>.80650%</u>
<u>Tract 17-D</u>					
E-347-17	T-30-N, R-5-W Sec. 16: S/2 NW/4	80.00	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% <u>100.00%</u>	12.50% 82.50% 5.00% <u>100.00%</u>
			TOTAL		<u>.80650%</u>

Effective July 1, 1960

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
-347-26 San Juan 30-5 24-16 Well	T-30-N, R-5-W Sec. 16: SW/4	160.00	<u>Tract 17-F</u>		12.50%	1.61301%
			Royalty;	12.50%		
			Working Interest;			
			El Paso Natural Gas Co.;	82.50%		
			ORRI;	5.00%		
TOTAL	100.00%					
<u>Tract 17-B</u>					100.00%	3.22601%
-347-23 San Juan 30-5 24-16 Well	T-30-N, R-5-W Sec. 32: NW/4	160.00	<u>Tract 17-F</u>			
			Royalty;	12.50%		
			Working Interest;			
			El Paso Natural Gas Co.;	82.50%		
			ORRI;	5.00%		
TOTAL	100.00%					
<u>Tract 17-F</u>					12.50%	1.61301%
-347-26 San Juan 30-5 24-16 Well	T-30-N, R-5-W Sec. 16: SW/4	160.00	<u>Tract 17-F</u>			
			Royalty;	12.50%		
			Working Interest;			
			El Paso Natural Gas Co.;	82.50%		
			ORRI;	5.00%		
TOTAL	100.00%					
<u>Tract 17-F</u>					12.50%	1.61301%
-347-23 San Juan 30-5 24-16 Well	T-30-N, R-5-W Sec. 32: SW/4	160.00	<u>Tract 17-F</u>			
			Royalty;	12.50%		
			Working Interest;			
			El Paso Natural Gas Co.;	82.50%		
			ORRI;	5.00%		
TOTAL	100.00%					
<u>Tract 17-F</u>					100.00%	3.22602%
-347-26 San Juan 30-5 24-16 Well	T-30-N, R-5-W Sec. 32: W/2	320.00	<u>Tract 17-F</u>			
			Royalty;	12.50%		
			Working Interest;			
			El Paso Natural Gas Co.;	82.50%		
			ORRI;	5.00%		
TOTAL	100.00%					

Effective July 1, 1960

SCHEDULE XIX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 18</u>						
Fee	T-30-N, R-5-W Sec. 8: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	<u>3.22602%</u>
<u>Tract 20</u>						
San Juan 30-5 #20-8 Well	Sec. 8: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	<u>3.22602%</u>
Fee	T-30-N, R-5-W Sec. 17: NE/1	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	<u>1.61301%</u>
<u>Tract 21</u>						
San Juan 30-5 #22-17 Well	T-30-N, R-5-W Sec. 17: SE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	<u>1.61301%</u>
San Juan 30-5 #22-17 Well	Sec. 17: E/2	320.00				<u>3.22602%</u>

Effective July 1, 1960



SCHEDULE XIX

RECAPITULATION

Township 30 North, Range 5 West, N.M.P.M.  
Sections 8, 16, 17, 18, 20, 23, 26, 27, 31: All  
Sections 9, 21, 24, 29, 32: W/2  
Sections 6, 7, 11, 14, 19, 22, 30, 35: E/2

Total Number of Acres in Participating Area: 9,919.34  
Total Number of Acres committed to Participating Area: 9,919.34  
Percentage of Working Interest Committed: 100.000%  
Percentage of Basic Royalty Interest Committed: 100.000%  
Percentage of O.R.R. I.: 100.000%

# El Paso Natural Gas Company

El Paso, Texas

July 5, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
**NOTICE OF COMPLETION OF ADDITIONAL  
WELL and SEVENTEENTH EXPANDED  
PARTICIPATING AREA, Mesaverde  
Formation, Effective June 1, 1960**

Gentlemen:

Pursuant to Section 11(a) of the San Juan 30-5 Unit Agreement, #14-08-001-346, approved November 7, 1952, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this Unit. This well is as follows:

The San Juan 30-5 Unit #32-26 Well is located 990' from the North line and 890' from the East line of Section 26, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on April 27, 1960, and completed on May 20, 1960 at a total depth of 6454'. The Mesaverde Formation between 6244' - 6252'; 6258' - 6264'; 6278' - 6286'; 6306' - 6316'; 6328' - 6338'; 6354' - 6366' was treated with a sand water fracturing process. After being shut in for gauge for twelve (12) days, the well was tested on June 2, 1960, and following a three (3) hour blow down period gauged 1816 MCFGPD through a 3/4" choke and 1957 MCFGPD by the calculated absolute open flow method with an SIPC of 1173# and an SIPT of 1173#. The committed drilling block upon which this well is located is described as the E/2 of Section 26, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres. The determination that this well is capable of producing unitized substances

in paying quantities from the Mesaverde Formation was made on June 2, 1960. This drilling block was included in the San Juan 30-5 Sixteenth Expanded Participating Area, effective November 1, 1959, as an intervening drilling block. Therefore, the present Participating Area is not enlarged.

The Participating Area for the Mesaverde Formation is expanded to include the following described well and intervening drilling block:

The San Juan 30-5 Unit #30-21 Well is located 1840' from the South line and 890' from the West line of Section 21, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on April 17, 1960 and completed on May 8, 1960, at a total depth of 5928'. The Mesaverde Formation between 5476' - 5484'; 5490' - 5498'; 5506' - 5510'; 5524' - 5530'; 5568' - 5576'; 5710' - 5718'; 5724' - 5730'; 5734' - 5742'; 5774' - 5780'; 5806' - 5812' was treated with a sand water fracturing process. After being shut in for gauge for fifteen (15) days, the well was tested on May 23, 1960, and following a three (3) hour blow-down period gauged 2903 MCFGPD through a 3/4" choke and 3703 MCFGPD by the calculated absolute open flow method with an SIPC of 1154# and an SIPT of 1153#. The committed drilling block upon which this well is located is described as the W/2 of Section 21, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres. The determination that this well is capable of producing unitized substances in paying quantities from the Mesaverde Formation was made on May 23, 1960.

The completion of the San Juan 30-5 Unit #30-21 Well creates one (1) intervening drilling block described as the E/2 of Section 20, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres.

Under the terms of the San Juan 30-5 Unit Agreement, the above described intervening drilling block is admitted to the Mesaverde Participating Area as of June 1, 1960. A well must be commenced on this block by June 1, 1961.

Attached is Schedule XVIII showing the Seventeenth Expanded Participating Area for the Mesaverde Formation of the San Juan 30-5 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract. Inasmuch as this needs no official approval, no provision is made therefor, and in the absence of disapproval, this Seventeenth Expanded Participating Area will become effective as of June 1, 1960.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

By T. W. Bittick

T. W. Bittick  
Assistant Manager  
Land Department

TWB:JNN:n1

**San Juan 30-5 Unit**  
**Working Interest Owners**

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

**General American Oil Company of Texas**  
**Meadows Building**  
**Dallas 6, Texas**  
**Attention: Mr. W. P. Barnes**

**Pan American Petroleum Corporation**  
**P. O. Box 400**  
**Farmington, New Mexico**  
**Attention: Mr. L. O. Speer, Jr.**

**Skelly Oil Company**  
**Skelly Building**  
**Tulsa, Oklahoma**  
**Attention: Mr. A. L. Cashman**

SCHEDULE XVIII  
 SEVENTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION  
 SAN JUAN 30-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION		
			OWNERSHIP	PERCENTAGE			
NM 012331	T-30-N, R-5-W Sec. 31: NW/4	160.00	<u>Tract 1</u>		<u>1.72426%</u>		
			Royalty;	12.50%		12.50%	
			Working Interest:	82.50%		82.50%	
			El Paso Natural Gas Co.;	5.00%		5.00%	
			ORRI;	100.00%		100.00%	
			TOTAL				
			<u>Tract 12</u>				
			Royalty;	12.50%		12.50%	
			Working Interest:	82.50%		82.50%	
			El Paso Natural Gas Co.;	5.00%		5.00%	
ORRI;	100.00%	100.00%					
TOTAL							
San Juan 30-5 #12-31 Well	Sec. 31: W/2	320.00	<u>Tract 1</u>		<u>3.44852%</u>		
			Royalty;	12.50%		12.50%	
			Working Interest:	82.50%		82.50%	
			El Paso Natural Gas Co.;	5.00%		5.00%	
			ORRI;	100.00%		100.00%	
			TOTAL				
			<u>Tract 1</u>				
			Royalty;	12.50%		12.50%	
			Working Interest:	82.50%		82.50%	
			El Paso Natural Gas Co.;	5.00%		5.00%	
ORRI;	100.00%	100.00%					
TOTAL							
NM 2331	T-30-N, R-5-W Sec. 31: NE/4	160.00	<u>Tract 1</u>		<u>1.72426%</u>		
			Royalty;	12.50%		12.50%	
			Working Interest:	82.50%		82.50%	
			El Paso Natural Gas Co.;	5.00%		5.00%	
			ORRI;	100.00%		100.00%	
			TOTAL				
			<u>Tract 1</u>				
			Royalty;	12.50%		12.50%	
			Working Interest:	82.50%		82.50%	
			El Paso Natural Gas Co.;	5.00%		5.00%	
ORRI;	100.00%	100.00%					
TOTAL							

Effective June 1, 1960

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK	OWNERSHIP	PERCENTAGE	PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
NM 012335	T-30-N, R-5-W Sec. 31: SE/4	160.00					
			Tract 12				
	Royalty;				12.50%	12.50%	1.72426%
	Working Interest;				82.50%	82.50%	
	El Paso Natural Gas Co.;				5.00%	5.00%	
	ORRI;				100.00%	100.00%	
	TOTAL						
San Juan 30-5 #14-31 Well	Sec. 31: E/2	320.00					
			Tract 2				
	Royalty;				12.50%	12.50%	3.44852%
	Working Interest;				83.00%	83.00%	
	El Paso Natural Gas Co.;				4.50%	4.50%	
	ORRI;				100.00%	100.00%	
	TOTAL						
NM 012332	T-30-N, R-5-W Sec. 35: E/2	320.00					
			Tract 3				
	Royalty;				12.50%	12.50%	3.44852%
	Working Interest;				82.50%	82.50%	
	El Paso Natural Gas Co.;				5.00%	5.00%	
	ORRI;				100.00%	100.00%	
	TOTAL						
San Juan 30-5 #4 Well	Sec. 35: E/2	320.00					
			Tract 3				
	Royalty;				12.50%	12.50%	3.44852%
	Working Interest;				82.50%	82.50%	
	El Paso Natural Gas Co.;				5.00%	5.00%	
	ORRI;				100.00%	100.00%	
	TOTAL						
SF 078738	T-30-N, R-5-W Sec. 23: W/2	320.00					
			Tract 3				
	Royalty;				12.50%	12.50%	3.44852%
	Working Interest;				82.50%	82.50%	
	El Paso Natural Gas Co.;				5.00%	5.00%	
	ORRI;				100.00%	100.00%	
	TOTAL						
San Juan 30-5 #11-23 Well	Sec. 23: W/2	320.00					
			Tract 3				
	Royalty;				12.50%	12.50%	3.44852%
	Working Interest;				82.50%	82.50%	
	El Paso Natural Gas Co.;				5.00%	5.00%	
	ORRI;				100.00%	100.00%	
	TOTAL						

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078738	T-30-N, R-5-W Sec. 26: NE/4 SW/4	40.00				
			Royalty;	12.50%	12.50%	<u>.43107%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
	TOTAL		100.00%	100.00%		
		<u>Tract 3</u>				
SF 078738	T-30-N, R-5-W Sec. 26: NW/4	160.00				
			Royalty;	12.50%	12.50%	<u>1.72426%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	84.00%	84.00%	
ORRI;	3.50%	3.50%				
	TOTAL		100.00%	100.00%		
		<u>Tract 24</u>				
Fee	T-30-N, R-5-W Sec. 26: W/2 SW/4, SE/4 SW/4	120.00				
			Royalty;	12.50%	12.50%	<u>1.29319%</u>
			Working Interest;			
			El Paso Natural Gas Co.;	87.50%	87.50%	
ORRI;	.00%	.00%				
	TOTAL		100.00%	100.00%		
		<u>San Juan 30-5</u>				
		<u>#16-26 Well</u>				
		<u>Sec. 26: W/2</u>				
		<u>320.00</u>				
						<u>3.44852%</u>

Effective June 1, 1960

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 3</u>						
SF 078738	T-30-N, R-5-W Sec. 23: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50%	12.50%	3.44852%
			ORRI;	82.50%	82.50%	
			TOTAL	5.00%	5.00%	
				100.00%	100.00%	
<u>Tract 3</u>						
						100.00%
						3.44852%
<u>Tract 4</u>						
SF 078738	T-30-N, R-5-W Sec. 26: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50%	12.50%	3.44852%
			ORRI;	82.50%	82.50%	
			TOTAL	5.00%	5.00%	
				100.00%	100.00%	
<u>Tract 4</u>						
						100.00%
						3.44852%
<u>Tract 5</u>						
San Juan 30-5 #32 5 Well	Sec. 26: E/2	320.00				
SF 078739	T-30-N, R-5-W Sec. 22: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50%	12.50%	3.44852%
			ORRI;	84.50%	84.50%	
			TOTAL	3.00%	3.00%	
				100.00%	100.00%	
<u>Tract 5</u>						
						100.00%
						3.44852%



SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 4</u>						
SF 078739	T-30-N, R-5-W Sec. 21: SW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 84.50% 3.00%	12.50% 84.50% 3.00%	1.72426%
			ORRI;			
			TOTAL	100.00%	100.00%	
			<u>Tract 22</u>			
Fee	T-30-N, R-5-W Sec. 21: NW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 87.50% .00%	12.50% 87.50% .00%	1.72426%
			ORRI;			
			TOTAL	100.00%	100.00%	
<u>Tract 5</u>						
San Juan 30-5 #30-21 Well	Sec. 21: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	3.44852%
			ORRI;			
			TOTAL	100.00%	100.00%	
SF v. 8740	T-30-N, R-5-W Sec. 20: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	3.44852%
			ORRI;			
			TOTAL	100.00%	100.00%	
No Well	Sec. 20: E/2	320.00				3.44852%

Effective June 1, 1960

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE		
SF 078740	T-30-N, R-5-W Sec. 29: N/2 NW/4, SW/4 NW/4	120.00	Tract 5 Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL		12.50%	1.29319%
					82.50%	
					5.00%	
					100.00%	
					100.00%	
					2.15533%	
SF 078740	T-30-N, R-5-W Sec. 29: SW/4, SE/4 NW/4	200.00	Tract 5 Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL		12.50%	3.44852%
					83.00%	
					4.50%	
					100.00%	
					100.00%	
					3.44852%	
SF 8740	T-30-N, R-5-W Sec. 19: E/2	320.00	Tract 5 Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL		12.50%	3.44852%
					82.50%	
					5.00%	
					100.00%	
					100.00%	
					3.44852%	
San Juan 30-5 #15-19 Well	Sec. 19: E/2	320.00	Tract 5 Royalty; Working Interest; El Paso Natural Gas Co.; ORRI; TOTAL		12.50%	3.44852%
					82.50%	
					5.00%	
					100.00%	
					100.00%	
					3.44852%	

Effective June 1, 1960

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTUAL PARTICIPATION	
			OWNERSHIP	PERCENTAGE		
				PERCENTAGE COMMITTED		
<u>Tract 5</u>						
SF 078740	T-30-N, R-5-W Sec. 30: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50%	12.50%	3.44852%
			ORRI;	83.00%	83.00%	
			TOTAL	4.50%	4.50%	
				100.00%	100.00%	
<u>Tract 5</u>						
						100.00%
						3.44852%
<u>Tract 6</u>						
SF 078994	T-30-N, R-5-W Sec. 18: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50%	12.50%	3.44852%
			ORRI;	82.50%	82.50%	
			TOTAL	5.00%	5.00%	
				100.00%	100.00%	
<u>Tract 6</u>						
						100.00%
						3.44852%
<u>Tract 7</u>						
San Juan 30-5 #27-0 Well	Sec. 20: W/2	320.00				3.44852%
San Juan 30-5 #10-18 Well	Sec. 18: W/2	320.00				3.44852%

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 6</u>						
SF 078994	<u>T-30-N, R-5-W</u> Sec. 18: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%	82.50%	3.44852%
			TOTAL	100.00%	100.00%	
<u>Tract 6</u>						
						100.00%
<u>Tract 25</u>						
SF 078994	<u>T-30-N, R-5-W</u> Sec. 17: SW/4, S/2 NW/4	240.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%	82.50%	2.58639%
			TOTAL	100.00%	100.00%	
<u>Tract 25</u>						
						100.00%
Fee	<u>T-30-N, R-5-W</u> Sec. 17: N/2 NW/4 (except 4.00 acres)	76.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%	87.50%	.81903%
			TOTAL	100.00%	100.00%	

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
Fee	T-30-N, R-5-W	4.00				
	Sec. 17: A Tract of Land 1200' long by 450' wide lying in the NW/4 of Sec. 17					.04311%
<u>Tract 25-A</u>						
	Royalty;		12.50%			12.50%
	Working Interest;					87.50%
	El Paso Natural Gas Co.;		87.50%			.00%
	ORRI;		.00%			100.00%
	TOTAL		100.00%			100.00%
<u>Tract 7</u>						
	Royalty;		12.50%			12.50%
	Working Interest;					82.50%
	El Paso Natural Gas Co.;		82.50%			5.00%
	ORRI;		5.00%			100.00%
	TOTAL		100.00%			100.00%
<u>Tract 7</u>						
	Royalty;		12.50%			12.50%
	Working Interest;					82.50%
	El Paso Natural Gas Co.;		82.50%			5.00%
	ORRI;		5.00%			100.00%
	TOTAL		100.00%			100.00%
<u>Tract 7</u>						
	Royalty;		12.50%			12.50%
	Working Interest;					82.50%
	El Paso Natural Gas Co.;		82.50%			5.00%
	ORRI;		5.00%			100.00%
	TOTAL		100.00%			100.00%

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 080066	T-30-N, R-5-W Sec. 6: Lots 8, 9, S/2 NE/4, N/2 SE/4	239.34	<u>Tract 11</u>			
			Royalty;	12.50%	12.50%	2.57929%
			Working Interest; El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
	TOTAL		100.00%	100.00%		
San Juan 30-5 #17-6 Well	Sec. 6: E/2	319.34	<u>Tract 7</u>			
			Royalty;	12.50%	12.50%	3.44142%
			Working Interest; El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
	TOTAL		100.00%	100.00%		
SF 078997	T-30-N, R-5-W Sec. 7: NE/4, N/2 SE/4, SE/4	280.00	<u>Tract 19</u>			
			Royalty;	12.50%	12.50%	.43107%
			Working Interest; El Paso Natural Gas Co.;	82.50%	82.50%	
ORRI;	5.00%	5.00%				
	TOTAL		100.00%	100.00%		
Fee	T-30-N, R-5-W Sec. 7: SW/4 SE/4	40.00	<u>Tract 19</u>			
			Royalty;	12.50%	12.50%	.43107%
			Working Interest; El Paso Natural Gas Co.;	87.50%	87.50%	
ORRI;	.00%	.00%				
	TOTAL		100.00%	100.00%		
San Juan 30-5 #23-7 Well	Sec. 7: E/2	320.00	<u>Tract 19</u>			
			Royalty;	12.50%	12.50%	3.44853%
	TOTAL		100.00%	100.00%		

Effective June 1, 1960

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078997	T-30-N, R-5-W Sec. 8: NW/4, N/2 SW/4	240.00	<u>Tract 7</u>			
			Royalty;	12.50%	12.50%	<u>2.58639%</u>
			Working Interest;			
El Paso Natural Gas Co.;	82.50%	82.50%				
	ORRI;			5.00%	5.00%	
	TOTAL		100.00%	100.00%		
			<u>Tract 25</u>			
Fee	T-30-N, R-5-W Sec. 8: S/2 SW/4	80.00	<u>Tract 25</u>			
			Royalty;	12.50%	12.50%	<u>.86213%</u>
			Working Interest;			
El Paso Natural Gas Co.;	87.50%	87.50%				
	ORRI;			.00%	.00%	
	TOTAL		100.00%	100.00%		
			<u>Tract 14</u>			
San Juan 30-5 #26-8 Well	Sec. 8: W/2	320.00	<u>Tract 14</u>			
			Royalty;	12.500%	12.500%	<u>3.44852%</u>
			Working Interest;			
El Paso Natural Gas Co.;	83.125%	83.125%				
	ORRI;			4.375%	4.375%	
	TOTAL		100.00%	100.00%		
			<u>Tract 14</u>			
San Juan 30-5 #21-24 Well	T-30-N, R-5-W Sec. 24: W/2	320.00	<u>Tract 14</u>			
			Royalty;	12.500%	12.500%	<u>3.44852%</u>
			Working Interest;			
El Paso Natural Gas Co.;	83.125%	83.125%				
	ORRI;			4.375%	4.375%	
	TOTAL		100.00%	100.00%		
			<u>Tract 14</u>			
San Juan 30-5 #21-24 Well	Sec. 24: W/2	320.00	<u>Tract 14</u>			
			Royalty;	12.500%	12.500%	<u>3.44852%</u>
			Working Interest;			
El Paso Natural Gas Co.;	83.125%	83.125%				
	ORRI;			4.375%	4.375%	
	TOTAL		100.00%	100.00%		

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 15</u>						
SF 080538	T-30-N, R-5-W Sec. 11: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% 4.375% 100.000%	12.500% 83.125% 4.375% 100.000%	3.44852%
<u>TOTAL</u>						
<u>Tract 15</u>						
San Juan 30-5						
#8-11 Well	Sec. 11: E/2	320.00				3.44852%
<u>TOTAL</u>						
<u>Tract 15</u>						
SF 080538	T-30-N, R-5-W Sec. 14: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500% 83.125% 4.375% 100.000%	12.500% 83.125% 4.375% 100.000%	3.44852%
<u>TOTAL</u>						
<u>Tract 17</u>						
No. 1	Sec. 14: E/2	320.00				3.44852%
<u>TOTAL</u>						
<u>Tract 17</u>						
E-347-7	T-30-N, R-5-W Sec. 16: NE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	1.72426%
<u>TOTAL</u>						



SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 17-F</u>						
E-347-26	T-30-N, R-5-W Sec. 16: SE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	<u>1.72426%</u>
			ORRI;	100.00%	100.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 17-A</u>						
San Juan 30-5 #13-16 Well	Sec. 16: E/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.75% 4.75%	12.50% 82.75% 4.75%	<u>3.44852%</u>
			ORRI;	100.00%	100.00%	
			TOTAL	100.00%	100.00%	
<u>Tract 17-D</u>						
E-347-8	T-30-N, R-5-W Sec. 16: N/2 NW/4	80.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	<u>.86213%</u>
			ORRI;	100.00%	100.00%	
			TOTAL	100.00%	100.00%	
E-347-17	T-30-N, R-5-W Sec. 16: S/2 NW/4	80.00	Royalty; Working Interest; El Paso Natural Gas Co.;	12.50% 82.50% 5.00%	12.50% 82.50% 5.00%	<u>.86213%</u>
			ORRI;	100.00%	100.00%	
			TOTAL	100.00%	100.00%	

SCHEDULE XVIII I

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>Tract 17-F</u>						
E-347-26	T-30-N, R-5-W Sec. 16: SW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>1.72426%</u>
<u>Tract 17-B</u>						
San Juan 30-5 #24-16 Well	Sec. 16: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>3.44852%</u>
<u>Tract 17-F</u>						
E-347-23	T-30-N, R-5-W Sec. 32: NW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>1.72426%</u>
<u>Tract 17-F</u>						
E-347-26	T-30-N, R-5-W Sec. 32: SW/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>1.72426%</u>
<u>Tract 17-F</u>						
San Juan 30-5 #9-32 Well	Sec. 32: W/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50% 82.50% 5.00% 100.00%	12.50% 82.50% 5.00% 100.00%	<u>3.44852%</u>

Effective June 1, 1960

SCHEDULE XVIII

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP	PERCENTAGE	PERCENTAGE OWNERSHIP	PRESENT ACTUAL PARTICIPATION
<b>Tract 18</b>						
Fee	<u>T-30-N, R-5-W</u> Sec. 8: <u>E/2</u>	320.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%  87.50% .00% <u>100.00%</u>	12.50%  87.50% .00% <u>100.00%</u>	<u>3.44852%</u>
<b>Tract 20</b>						
San Juan 30-5 #20-8 Well	Sec. 8: <u>E/2</u>	<u>320.00</u>	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%  87.50% .00% <u>100.00%</u>	12.50%  87.50% .00% <u>100.00%</u>	<u>3.44852%</u>
Fee	<u>T-30-N, R-5-W</u> Sec. 17: <u>NE/4</u>	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%  87.50% .00% <u>100.00%</u>	12.50%  87.50% .00% <u>100.00%</u>	<u>1.72426%</u>
<b>Tract 21</b>						
San Juan 30-5 #22-17 Well	<u>T-30-N, R-5-W</u> Sec. 17: <u>SE/4</u>	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%  87.50% .00% <u>100.00%</u>	12.50%  87.50% .00% <u>100.00%</u>	<u>1.72426%</u>
Fee	<u>T-30-N, R-5-W</u> Sec. 17: <u>SE/4</u>	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.50%  87.50% .00% <u>100.00%</u>	12.50%  87.50% .00% <u>100.00%</u>	<u>1.72426%</u>

Effective June 1, 1960

SCHEDULE XVIII

RECAPITULATION

Township 30 North, Range 5 West, N.M.P.M.  
Sections 8, 16, 17, 18, 20, 23, 26, 31: All  
Sections 9, 21, 24, 29, 32: W/2  
Sections 6, 7, 11, 14, 19, 22, 30, 35: E/2

Total Number of Acres in Participating Area: 9,279.34  
Total Number of Acres committed to Participating Area: 9,279.34

Percentage of Working Interest Committed: 100.000%  
Percentage of Basic Royalty Interest Committed: 100.000%  
Percentage of O.R.R.I.: 100.000%

# El Paso Natural Gas Company

El Paso, Texas

March 14, 1960

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 6721  
Roswell, New Mexico

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF NON-COMMERCIAL  
WELL, Dakota Formation

Gentlemen:

El Paso Natural Gas Company, as Unit Operator, has concluded that the following described well, located within the San Juan 30-5 Unit is not capable of producing unitized substances in paying quantities from the Dakota Formation.

The San Juan 30-5 Unit #27-20 Well is located 1090' from the South line and 890' from the West line of Section 20, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on August 28, 1959 and dually completed on October 28, 1959 at a total depth of 7890'. The Dakota Formation between 7646' - 7672', 7774' - 7780', 7786' - 7797', 7802' - 7808', 7812' - 7820 was treated with a sand-oil fracturing process. After being shut-in for gauge for twenty-two (22) days, the well was tested on November 19, 1959, and following a three (3) hour blow-down period gauged 1309 MCFGPD through a 3/4" choke and 1317 MCFGPD by the calculated absolute open flow method with an SIPT of 2596#. The committed drilling block upon which this well is located is described as the W/2 of Section 20, Township 30 North, Range 5 West, N.M.P.M., and consists of 320.00 acres.

The San Juan 30-5 Unit #27-20 Well was dually completed in the Mesaverde and Dakota Formations, and said well has been admitted to the Mesaverde Participating Area.

Pursuant to Section 11 (b) of the San Juan 30-5 Unit Agreement, #14-08-001-346, Unit Operator hereby requests the approval of the foregoing determination by the Regional Oil and Gas Supervisor, as the above described well is located on a drilling block involving Federal Lands.

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

Very truly yours,

EL PASO NATURAL GAS COMPANY

BY   
Sam Smith, Manager  
Land Department

SS:JNN:pc

Attachment

**San Juan 30-5 Unit**  
**Working Interest Owners**

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

**General American Oil Company of Texas**  
**Meadows Building**  
**Dallas 6, Texas**  
**Attention: Mr. W. P. Barnes**

**Pan American Petroleum Corporation**  
**P. O. Box 487**  
**Farmington, New Mexico**  
**Attention: Mr. L. O. Speer, Jr. (12)**

**Skelly Oil Company**  
**Skelly Building**  
**Tulsa, Oklahoma**  
**Attention: Mr. A. L. Cashman**

APPROVED: \_\_\_\_\_  
Supervisor, United States Geological Survey

DATE: \_\_\_\_\_

The foregoing approval is for the recommendation declaring the San Juan 30-5 Unit #27-20 (MD) Well non-commercial as to the Dakota Formation only.



# PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

December 14, 1959

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

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

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

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

Gentlemen:

Re: San Juan 30-5 Unit #14-08-001-538  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL for the Mesaverde formation

Pursuant to Section 11 (a) of San Juan 30-5 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that one additional well capable of producing unitized substances in paying quantities in the Mesaverde formation has been completed on acreage committed to this unit.

The well data is as follows:

The San Juan 30-5 Unit Well #27-20 located 1090' from the South line and 890' from the West line of Section 20, Township 30 North, Range 5 West, Rio Arriba County, New Mexico, was spudded on August 28, 1959, and completed on October 29, 1959 in the Mesaverde-Dakota formations at a total depth of 7885'. The Mesaverde formation between 5162' and 5648' was perforated and treated with a sand-water fracturing process. After being shut-in for approximately 30 days, the Mesaverde formation was tested on November 28, 1959, and following a three hour blow-down period gauged 2358 MCF/D through 3/4" choke, and 2426 MCF/D by the calculated absolute open flow method with SICP 1115# and SITP of 1115#. The committed drilling block upon which this well is located is described as the W/2 of Section 20, Township 30 North, Range 5 West and contains 320 acres.

This drilling block was admitted to the Mesaverde Participating Area as an intervening drilling block effective September 1, 1958, therefore, the Mesaverde Participating Area is not enlarged with this completion.

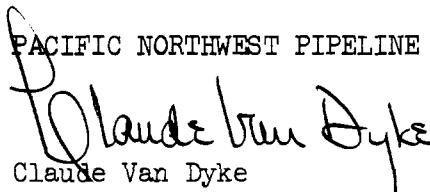
Notice of Completion of Additional Well  
December 14, 1959  
Page 2

Well #27-20 was also completed in the Dakota formation and in conformance with Section 11 (b) of the San Juan 30-5 Unit Agreement, a report on the completion in this formation will be submitted by separate letter.

Copies of this letter are being sent to all working interest owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke  
District Manager, Land Department

CVD:kfb

# PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

November 25, 1959

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

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

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

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

Gentlemen:

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS AND SIXTEENTH EXPANSION FOR THE  
MESAVERDE PARTICIPATING AREA  
Effective: November 1, 1959

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that two additional wells capable of producing unitized substances in paying quantities from the Mesaverde formation have been completed upon acreage committed to this unit, and that the participating area for the Mesaverde formation is accordingly expanded by reason of the creation of two intervening drilling blocks.

The well information is as follows:

- (1) San Juan 30-5 Unit Well #26-8 is located 1800' from the south line and 890' from the west line of Section 8, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded August 30, 1959, and completed on September 25, 1959, in the Mesaverde formation at a total depth of 5686'. The Mesaverde formation between 5238' and 5680' was perforated and treated with a water fracturing process. After being shut-in for approximately seven (7) days the Mesaverde formation was tested on October 23, 1959, and following a 3 hour blow down period gauged 2307 mcf/d through 3/4" choke and 6341 mcf/d by the calculated absolute open flow method, with a SICP of 1162# and a SITP of 1164#. The committed drilling block upon which this well is located is described as the W/2 of Section 8, Township 30 North, Range 5 West, containing 320.00 acres.

San Juan 30-5 Unit  
Sixteenth Expanded Participating Area  
for the Mesaverde Formation  
Effective: November 1, 1959

This particular drilling block was admitted to the participating area on a previous expansion, effective September 1, 1958, and the drilling of a well thereon does not create any additional intervening drilling blocks.

- (2) San Juan 30-5 Unit Well #28-23X is located 1027' from the north line and 1130' from the east line of Section 23, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded on July 23, 1959, and completed on September 17, 1959, in the Mesaverde formation. The Mesaverde formation between 5696' and 6074' was perforated and treated with a water fracturing process. After being shut-in for approximately thirty (30) days the Mesaverde formation was tested on October 21, 1959, and following a 3 hour blow down period, gauged 3227 mcf/d through a 3/4" choke and 3360 mcf/d by the calculated absolute open flow method with a SICP of 1219# and a SITP of 1219#. The committed drilling block upon which this well is located is described as the E/2 of Section 23, Township 30 North, Range 5 West, containing 320 acres, and was admitted to the Mesaverde Participating Area on a previous expansion effective November 1, 1958.

This well was drilled to the Dakota formation and was to have been completed as a dual Mesaverde-Dakota well, however, after continued failures in attempting to gauge the Dakota formation, this portion of the well was cemented off and is now considered plugged and abandoned. With the completion of this well in the Mesaverde formation there is created two intervening drilling blocks described as the E/2 of Section 26, Township 30 North, Range 5 West, containing 320 acres, and the E/2 of Section 14, Township 30 North, Range 5 West, containing 320 acres. These intervening drilling blocks are hereby admitted to the Mesaverde Participating Area effective November 1, 1959.

Attached is Schedule XVII showing the Sixteenth Expanded Participating Area for the Mesaverde formation of the subject unit. This Schedule describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 30-5 Unit indicating the current Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all working interest owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

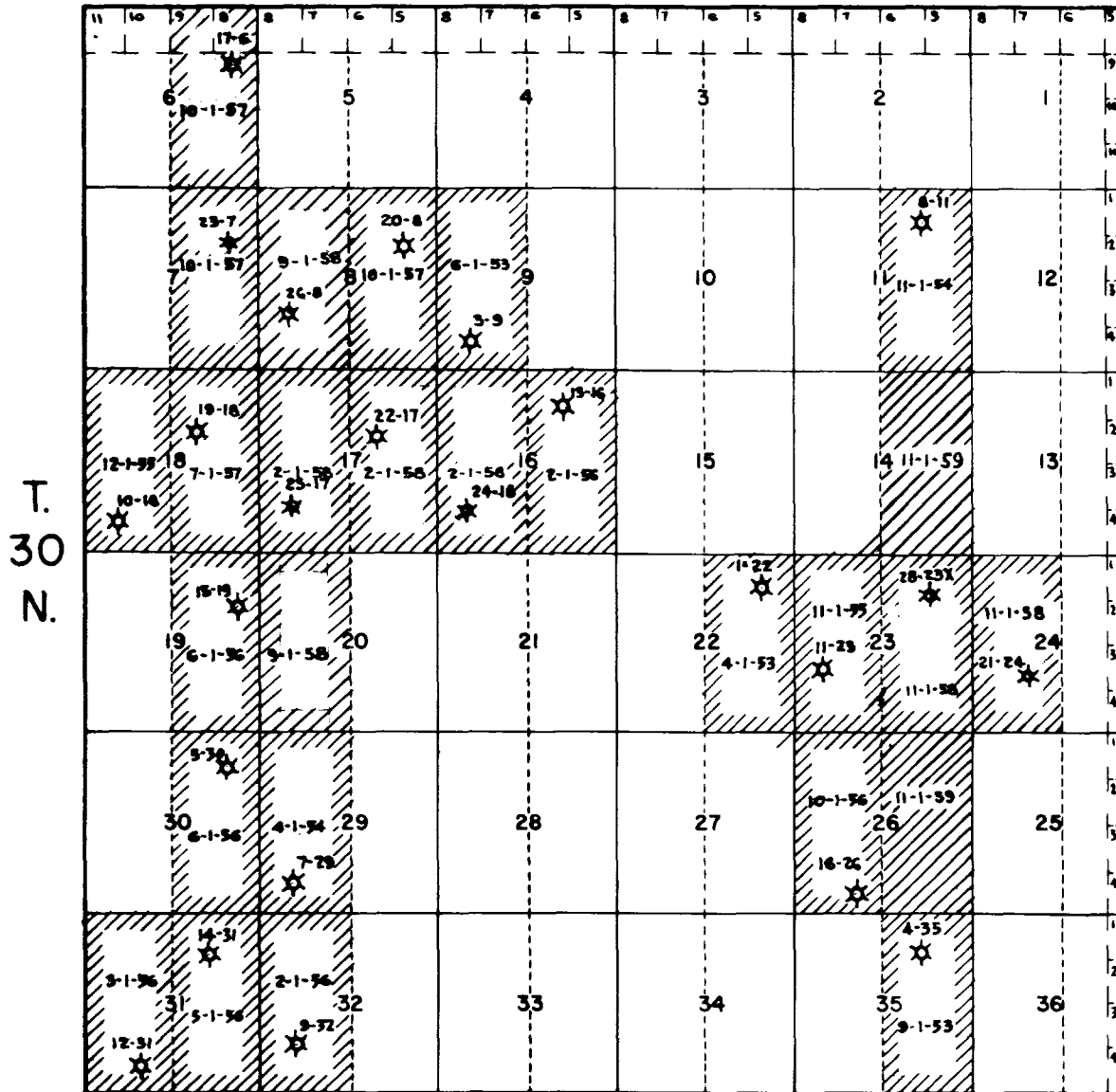


Claude Van Dyke  
District Manager, Land Department

CVD:kfb  
Enc.

# EXHIBIT "A"

R. 5 W.



## SAN JUAN 30-5 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

SIXTEENTH REVISION EFFECTIVE NOVEMBER 1, 1959

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

November 21, 1958

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

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

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

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

F-12  
417

Gentlemen:

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
FIFTEENTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION  
Effective: November 1, 1958

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde formation is accordingly expanded.

The well information is as follows:

San Juan 30-5 Unit, Well #21-24 is located 1650' from the South line and 1700' from the West line of Section 24, Township 30 North, Range 5 West, Rio Arriba County, New Mexico. This well was spudded July 21, 1958, and completed on September 21, 1958, in the Mesaverde formation at a total depth of 6490'. The Mesaverde formation between 5954' and 6360' was perforated and treated with a water fracturing process. After being shut-in for approximately 25 days the Mesaverde formation was tested on October 24, 1958, and following a three hour blow down period, gauged 2620 MCF/D through 3/4" choke and 4032 MCF/D by the calculated absolute open flow method, with a SICP of 1162# and a SIPT of 1136#. The committed drilling block upon which this well is located is described as the W/2 of Section 24, Township 30 North, Range 5 West, containing 320.00 acres.

San Juan 30-5 Unit  
Fifteenth Expanded Participating Area  
For the Mesaverde Formation  
Effective: November 1, 1958

With the completion of this well, there is one intervening drilling block created as follows:

E/2 of Section 23, Township 30 North, Range 5 West,  
N.M.P.M., Rio Arriba County, New Mexico.

This intervening drilling block contains 320.00 acres and under the terms of the Unit Agreement is hereby admitted to the Mesaverde Participating Area effective November 1, 1958.

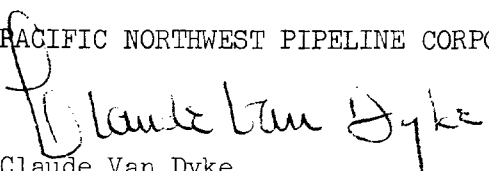
Attached is Schedule XVI showing the Fifteenth Expanded Participating Area for the Mesaverde formation of San Juan 30-5 Unit area. This Schedule describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of San Juan 30-5 Unit indicating the Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all the Working Interest Owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

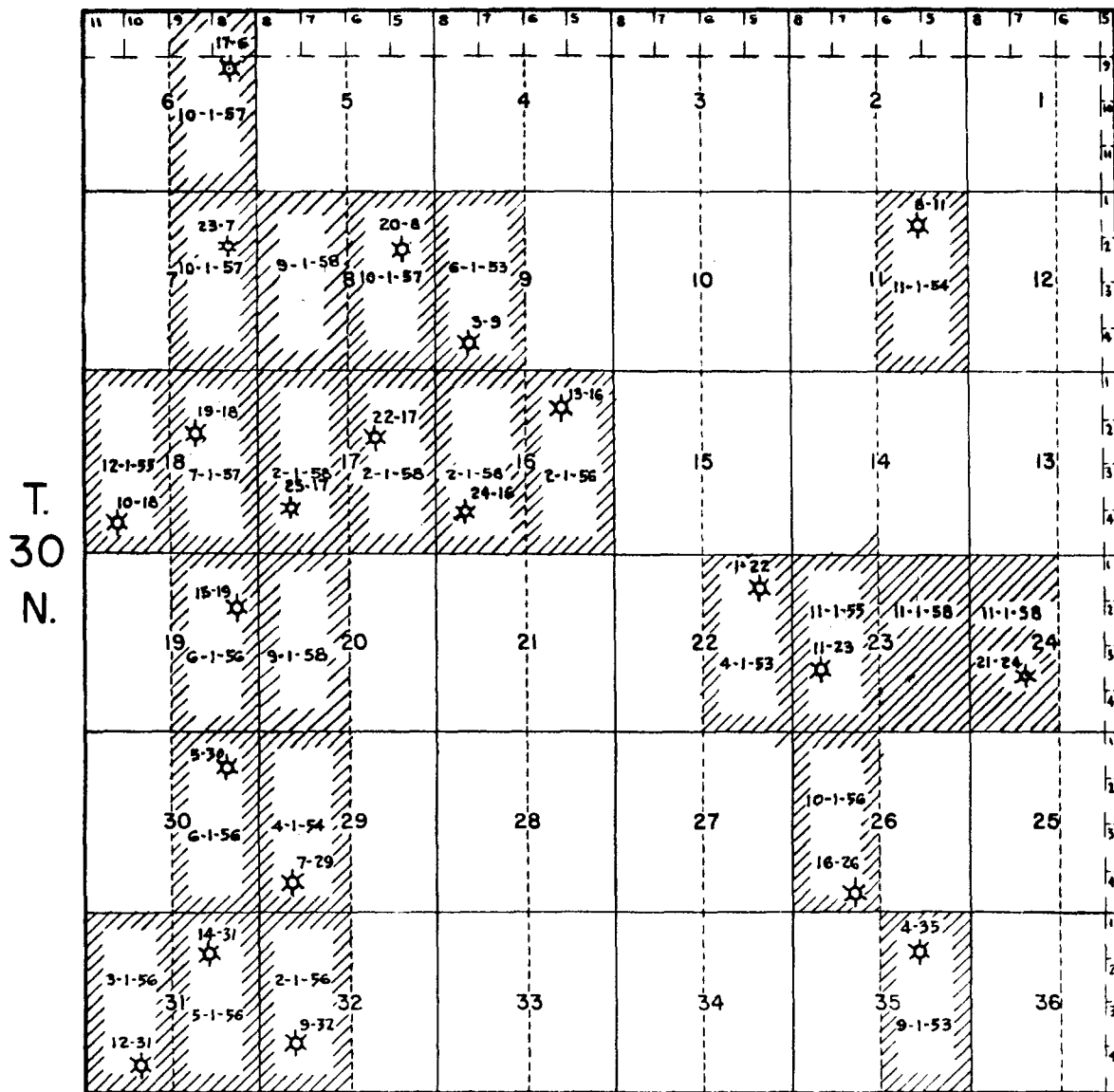
  
Claude Van Dyke  
District Manager, Land Department

CVD: jc

Enc.

# EXHIBIT "A"

R. 5 W.



## SAN JUAN 30-5 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

FIFTEENTH REVISION EFFECTIVE NOVEMBER 1, 1958

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

NOTE: Effective date of inclusion is shown on each drilling block admitted to participating area



PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

September 11, 1958

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

417  
RECEIVED  
SEP 12 1958  
PACIFIC NORTHWEST PIPELINE CO.

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: REVISION  
San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
FOURTEENTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION and  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS  
Effective: September 1, 1958

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that two (2) 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 upon which this Fourteenth Expansion is based is as follows:

SAN JUAN 30-5 MESAVERDE WELL #25-17

LOCATION:	890' from South line and 990' from West line of Section 17, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6393' (grd)
SPUD DATE:	August 1, 1958
CASING:	10 3/4" cemented at 194' with 200 sx 7 5/8" cemented at 3513' with 200 sx 5 1/2" cemented at 5787' with 200 sx
TOTAL DEPTH:	5785' T.D.

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

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced  
Cliff House, Menefee and Point Lookout  
at intervals between 5296' and 5767'

TUBING: 1 1/4" hung at 5737'

COMPLETION TEST DATA

DATE: August 25, 1958

SHUT-IN-PERIOD: 10 days

FINAL SHUT-IN-PRESSURES: Tubing 1108#  
Casing 1202#

RATE THROUGH TUBING  
AND 3/4" CHOKE AFTER  
3 HOUR BLOW DOWN: 4323 MCF/D; CAOF 4738 MCF/D

San Juan 30-5 Mesaverde Well #25-17 is located upon the drilling block described as the W/2 of Section 17, Township 30 North, Range 5 West. This drilling block has been previously admitted to the participating area effective February 1, 1958, on the Thirteenth Expansion of the Mesaverde Participating Area. With this completion there is created an intervening drilling block described as the W/2 of Section 20, Township 30 North, Range 5 West. This intervening drilling block containing 320 acres is herewith admitted to the Mesaverde Participating Area.

SAN JUAN 30-5 MESAVERDE WELL #23-7

LOCATION: 1650' from North line and 890' from East  
line of Section 7, T 30 N, R 5 W, N.M.P.M.

ELEVATION: 6384' (grd)

SPUD DATE: July 14, 1958

CASING: 10 3/4" cemented at 198' with 200 sx  
7 5/8" cemented at 3536' with 200 sx  
5 1/2" cemented at 5738' with 200 sx

TOTAL DEPTH: 5760'

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

Fourteenth Expansion - Mesaverde (Revised)  
San Juan 30-5 Unit  
Page 3

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua fraced  
Cliff House, Menefee and Point Lookout  
at intervals between 5350' and 5678'

TUBING: 1 1/4" hung at 5670'

COMPLETION TEST DATA

DATE: August 8, 1958

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-PRESSURES: Tubing 1100#  
Casing 1193#

RATE THROUGH TUBING  
AND 3/4" CHOKE AFTER  
3 HOUR BLOW DOWN: 4246 MCF/D; CAOF 4653 MCF/D

San Juan 30-5 Mesaverde Well #23-7 is located upon the drilling block described as the E/2 of Section 7, Township 30 North, Range 5 West, N.M.P.M. This drilling block was previously admitted to the Mesaverde Participating Area effective October 1, 1957. Thus, the participating area is not expanded with the completion of Well #23-7. However, there is created an intervening drilling block in the W/2 of Section 8 with the completion of Well #23-7 and the previous completion of Well #20-8 located in the E/2 of Section 8. This drilling block containing 320 acres is herewith admitted to the Mesaverde Participating Area.

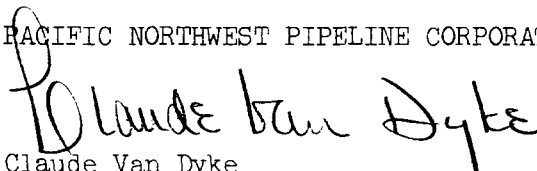
Attached is Schedule XV showing the Fourteenth Expanded Participating Area for the Mesaverde formation of San Juan 30-5 Unit area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 30-5 Unit Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

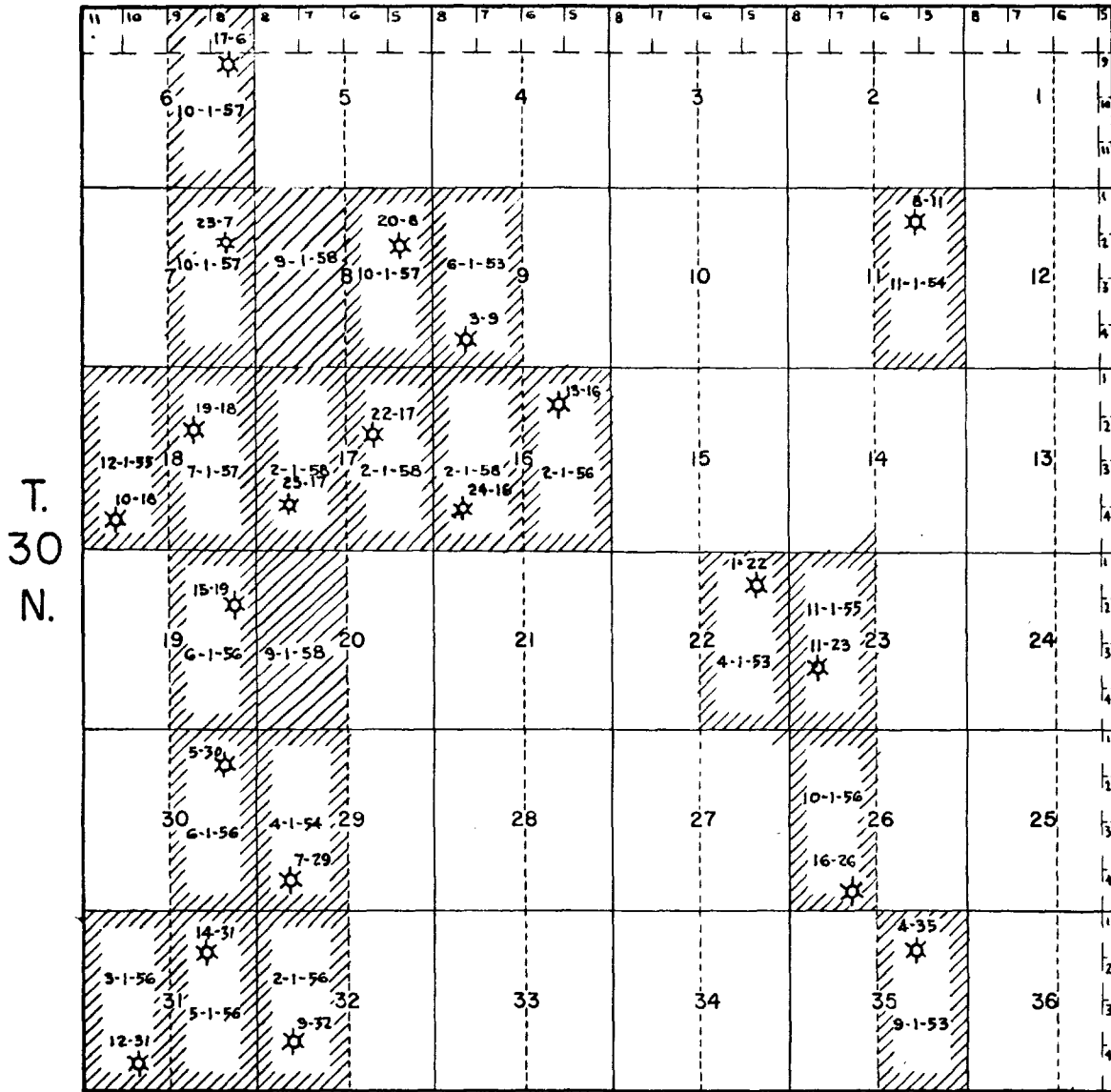
  
Claude Van Dyke  
District Manager, Land Department

CVD: jc

Attachments

# EXHIBIT "A"

R. 5 W.



## SAN JUAN 30-5 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

### Mesaverde Participating Area

FOURTEENTH REVISION EFFECTIVE SEPTEMBER 1, 1958 (REVISED)

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

NOTE: Effective date of inclusion is shown on each drilling block admitted to participating area.

**PACIFIC NORTHWEST PIPELINE CORPORATION**

SALT LAKE CITY, UTAH

September 8, 1958

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

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

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

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

Gentlemen:

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
FOURTEENTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION and  
NOTICE OF COMPLETION OF ADDITIONAL  
WELLS  
Effective September 1, 1958

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that two (2) 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 upon which this Fourteenth Expansion is based is as follows:

SAN JUAN 30-5 MESAVERDE WELL #25-17

LOCATION:	890' from South line and 990' from West line of Section 17, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6393' (grd)
SPUD DATE:	August 1, 1958
CASING:	10 3/4" cemented at 194' with 200 sx 7 5/8" cemented at 3513' with 200 sx 5 1/2" cemented at 5787' with 200 sx
TOTAL DEPTH:	5785' T.D.

File  
Case  
417

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

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced  
Cliff House, Menefee and Point Lookout  
intervals between 5296' and 5767'

TUBING: 1 1/4" hung at 5737'

COMPLETION TEST DATA

DATE: August 25, 1958

SHUT-IN-PERIOD: 10 days

FINAL SHUT-IN  
PRESSURES: Tubing 1108#  
Casing 1202#

RATE THROUGH TUBING  
AND 3/4" CHOKE AFTER  
3 HOUR BLOW DOWN: 4323 MCF/D; CAOF 4738 MCF/D

San Juan 30-5 Mesaverde Well #25-17 is located upon the drilling block described as the W/2 of Section 17, Township 30 North, Range 5 West. This drilling block has been previously admitted to the participating area effective February 1, 1958, on the Thirteenth Expansion of the Mesaverde Participating Area. Thus, the participating area is not further expanded with the completion of Well #25-17.

SAN JUAN 30-5 MESAVERDE WELL #23-7

LOCATION: 1650' from North line and 890' from East  
line of Section 7, T 30 N, R 5 W, N.M.P.M.

ELEVATION: 6384' (grd)

SPUD DATE: July 14, 1958

CASING: 10 3/4" cemented at 198' with 200 sx  
7 5/8" cemented at 3536' with 200 sx  
5 1/2" cemented at 5738' with 200 sx

TOTAL DEPTH: 5760'

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

Fourteenth Expansion - Mesaverde  
San Juan 30-5 Unit  
Page 3

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua fraced  
Cliff House, Menefee and Point Lookout  
intervals between 5350' and 5678'

TUBING: 1 1/4" hung at 5670'

COMPLETION TEST DATA

DATE: August 8, 1958

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-  
PRESSURES: Tubing 1100#  
Casing 1193#

RATE THROUGH TUBING  
AND 3/4" CHOKE AFTER  
3 HOUR BLOW DOWN: 4246 MCF/D; CAOF 4653 MCF/D

San Juan 30-5 Mesaverde Well #23-7 is located upon the drilling block described as the E/2 of Section 7, Township 30 North, Range 5 West, N.M.P.M. This drilling block was previously admitted to the Mesaverde Participating Area effective October 1, 1957. Thus, the participating area is not expanded with the completion of Well #23-7. However, there is created an intervening drilling block in the W/2 of Section 8 with the completion of Well #23-7 and the previous completion of Well #20-8 located in the E/2 of Section 8. This drilling block containing 320 acres is herewith admitted to the Mesaverde Participating Area.

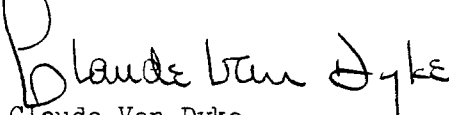
Attached is Schedule XV showing the Fourteenth Expanded Participating Area for the Mesaverde formation of San Juan 30-5 Unit area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 30-5 Unit Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke  
District Manager, Land Department

CVD:jc

Attachments

**PACIFIC NORTHWEST PIPELINE CORPORATION**

SALT LAKE CITY, UTAH

August 18, 1958

MAIL OFFICE 000

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

AUG 25 AM 9:42

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

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

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

Gentlemen:

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit.

The well data upon which this Notice of Completion is based is as follows:

SAN JUAN 30-5 MESAVERDE WELL #24-16

LOCATION:	890' from South line and 890' from West line of Section 16, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6346' (grd)
SPUD DATE:	June 27, 1958
CASING:	10 3/4" cemented at 195' with 200 sx 7 5/8" cemented at 3466' with 200 sx 5 1/2" cemented at 5718' with 200 sx
TOTAL DEPTH:	5718'



Well Completion  
San Juan 30-5 Unit  
August 1, 1958  
Page 2

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  
Point Lookout intervals from 5512' to 5712',  
Menefee intervals from 5326' to 5458', and  
Cliff House intervals from 5246' to 5254'

TUBING: 1 1/4" hung at 5680'

COMPLETION TEST DATA

DATE: July 30, 1958

SHUT-IN-PERIOD: 15 days

FINAL SHUT-IN-  
PRESSURES: Tubing 1221#  
Casing 1217#

RATE THROUGH TUBING  
AND 3/4" CHOKE AFTER  
3 HOUR BLOW DOWN: 3727 MCF/D; CAOF 3947 MCF/D

San Juan 30-5 Mesaverde Well #24-16 is located upon the drilling block described as the W/2 of Section 16, Township 30 North, Range 5 West, N.M.P.M. This drilling block was included as an intervening drilling block in the Mesaverde Participating Area effective February 1, 1958. The Mesaverde Participating Area is not enlarged and the present participation is as shown on Schedule XIV for the Thirteenth Expanded Participating Area of the Mesaverde formation effective February 1, 1958.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

*Claude Van Dyke*

Claude Van Dyke  
District Manager, Land Department

CVD:jc

**PACIFIC NORTHWEST PIPELINE CORPORATION**

MAIL SERVICE 000

SALT LAKE CITY, UTAH

October 22, 1957

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

RECEIVED OCT 23 1957

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

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

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

Gentlemen:

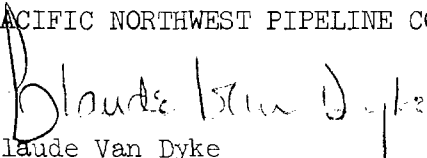
Re: San Juan 30-5 Unit  
Twelfth Expansion Mesaverde  
Participating Area  
Effective: October 1, 1957

Reference is made to our letter dated October 9, 1957, by which we expanded the Mesaverde Participating Area to include a well designated as #17-6 to the Mesaverde Participating Area. We inadvertently stated that this well was completed on June 17, 1957, when in fact it was completed on September 6, 1957. Please change your records accordingly.

Copies of this letter are being sent to all Working Interest Owners of the 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke  
District Manager, Land Department

CVD:jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

February 12, 1958

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

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

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

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

Gentlemen:

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
THIRTEENTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION  
Effective: February 1, 1958

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that one (1) additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL #22-17

LOCATION:	1850' from North line and 1850' from East line of Section 17, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6300' (grd)
SPUD DATE:	December 24, 1957
CASING:	10 3/4" cemented at 196' with 200 sx 7 5/8" cemented at 3490' with 200 sx 5 1/2" cemented at 5749' with 200 sx
TOTAL DEPTH:	5750' T.D.

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  
Point Lookout interval from 5482' to 5682'  
Aqua-fraced Menefee interval from 5262'  
to 5412'.

TUBING: 1 1/4" hung at 5584'

COMPLETION TEST DATA

DATE: January 21, 1958

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN  
PRESSURES: Tubing 1200#  
Casing 1232#

RATE THROUGH TUBING  
AND 3/4" CHOKE AFTER  
3 HOUR BLOW DOWN: CAOF 2,526 MCFGPD.

San Juan 30-5 Mesaverde Well #22-17 is located upon the drilling block described as the E/2 of Section 17, Township 30 North, Range 5 West, N.M.P.M. This drilling block, containing 320 acres, is hereby admitted to the participating area.

In addition, an intervening drilling block described as the W/2 of Section 17, Township 30 North, Range 5 West, is created by the completion of San Juan 30-5 Mesaverde Well #22-17 and the previous completion of San Juan 30-5 Mesaverde Well #19-18 located upon the drilling block described as the E/2 of Section 18, Township 30 North, Range 5 West. This intervening drilling block containing 320 acres is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Section 11 of San Juan 30-5 Unit Agreement.

Also, an intervening drilling block described as the W/2 of Section 16, Township 30 North, Range 5 West, is created by the completion of San Juan 30-5 Mesaverde Well # 22-17 and the previous completion of San Juan 30-5 Mesaverde Well #13-16 located upon the drilling block described as the E/2 of Section 16, Township 30 North, Range 5 West. This intervening drilling block containing 320 acres is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Section 11 of San Juan 30-5 Unit Agreement.

Thirteenth Expansion - Mesaverde  
San Juan 30-5 Unit  
Page 3


Attached is Schedule XIV showing the Thirteenth Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 30-5 Unit Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

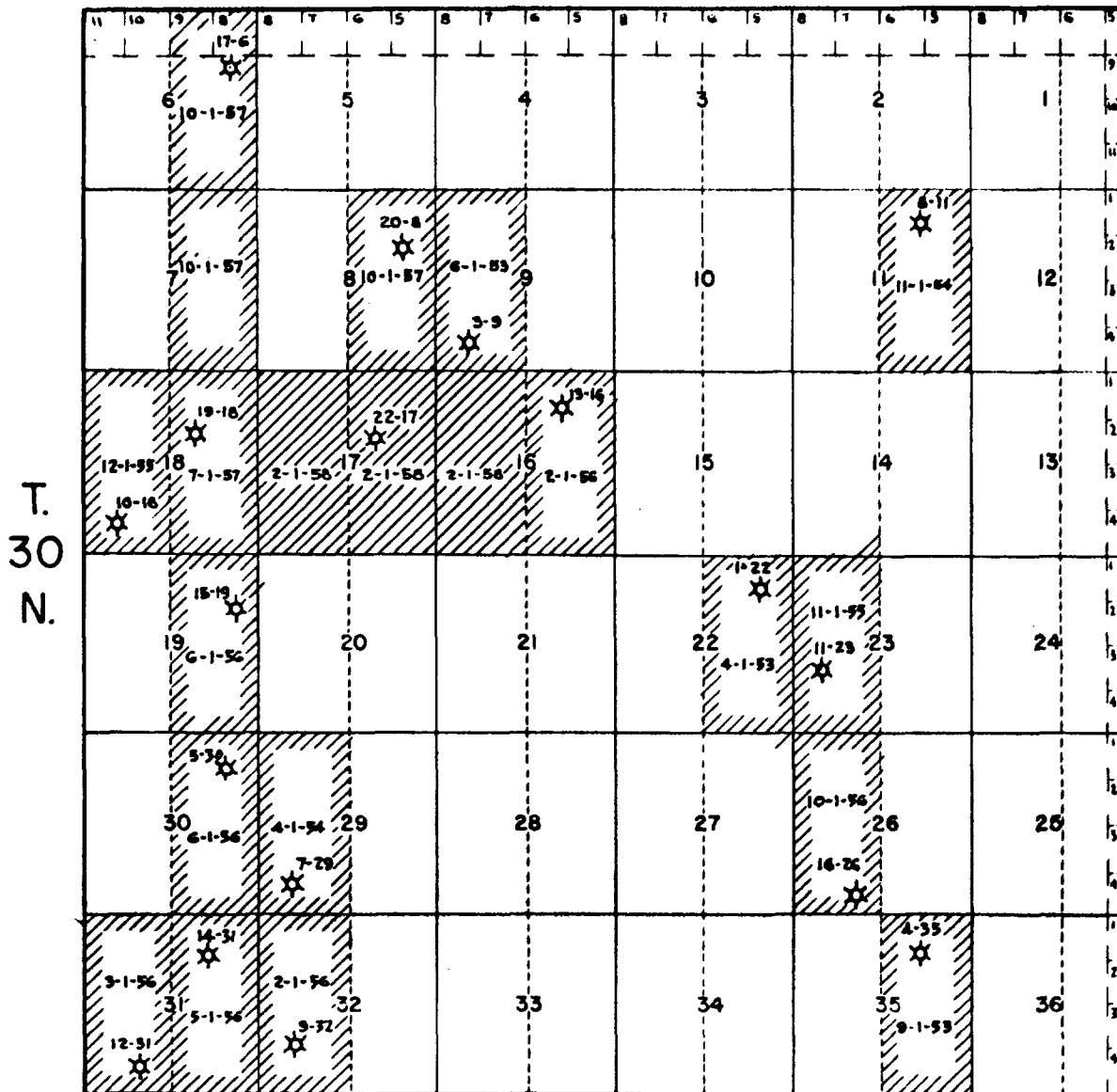
  
Claude Van Dyke  
District Manager, Land Department

CVD:jc

Attachments

# EXHIBIT "A"

R. 5 W.



## SAN JUAN 30-5 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

THIRTEENTH REVISION EFFECTIVE FEBRUARY 1, 1958

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

October 9, 1957

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

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

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

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

Gentlemen:

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
TWELFTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: October 1, 1957

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that two (2) additional wells capable of producing unitized substances in paying quantities from the Mesaverde Formation have been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL #17-6

LOCATION:	1650' from North line and 990' from East line of Section 6, T-30-N, R-5-W, N.M.P.M.
ELEVATION:	6421' (grd)
SPUD DATE:	June 21, 1957
CASING:	10 3/4" cemented at 240' with 210 sx 7 5/8" cemented at 3640' with 200 sx 5 1/2" cemented at 5880' with 200 sx
TOTAL DEPTH:	5880' T.D.

RECEIVED  
OCT 11 1957  
SALT LAKE CITY

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  
Point Lookout intervals from 5642' to 5854'.  
Aqua-fraced Cliff House and Menefee inter-  
vals from 5380' to 5632'.

TUBING: 1 1/4" hung at 5852'

COMPLETION TEST DATA

DATE: June 17, 1957

SHUT-IN PERIOD: 11 days

FINAL SHUT-IN PRESSURES: Tubing 922#  
Casing 1113#

RATE THROUGH TUBING AND  
3/4" CHOKE AFTER 3 HOUR  
BLOW DOWN: CAOF 4,611 Mcf/gpd.

San Juan 30-5 Mesaverde Well #17-6 is located upon the drilling block described  
as the E/2 of Section 6, Township 30 North, Range 5 West, N.M.P.M. This drilling  
block, containing 319.34 acres, is hereby admitted to the participating area.

SAN JUAN 30-5 MESAVERDE WELL #20-8 ✓

LOCATION: 1650' from North line and 990' from East  
line of Section 8, T 30 N, R 5 W, N.M.P.M.

ELEVATION: 6339' (Ungraded ground)

SPUD DATE: July 9, 1957

CASING: 10 3/4" cemented at 228' with 200 sx  
7 5/8" cemented at 3555' with 200 sx  
5 1/2" cemented at 5750' with 200 sx

TOTAL DEPTH: 5750'

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 and Menefee  
intervals from 5318' to 5438' and Point  
Lookout intervals from 5530' to 5724'.



Twelfth Expansion - Mesaverde  
San Juan 30-5 Unit  
Page 3

TUBING:  $1\frac{1}{4}$ " hung at 5726'

COMPLETION TEST DATA

DATE: September 6, 1957

SHUT-IN-PERIOD: 17 days

FINAL SHUT-IN-PRESSURES: Tubing 1218#  
Casing 1212#

RATE THROUGH TUBING AND  
3/4" CHOKE AFTER 3 HOUR  
BLOW DOWN: CAOF 4,220 Mcfgpd.

San Juan 30-5 Mesaverde Well #20-8 is located upon the drilling block described as the E/2 of Section 8, Township 30 North, Range 5 West. This drilling block, containing 320 acres, is hereby admitted to the participating area.

In addition, an intervening drilling block described as the E/2 of Section 7, Township 30 North, Range 5 West, is created by the completion of San Juan 30-5 Mesaverde Well #17-6 and the previous completion of San Juan 30-5 Mesaverde Well #19-18 located upon the drilling block described as the E/2 of Section 18, Township 30 North, Range 5 West. This intervening drilling block containing 320 acres is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Section 11 of San Juan 30-5 Unit Agreement.


Attached is Schedule XIII showing the Twelfth Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached as Exhibit "A" is a plat of the San Juan 30-5 Unit Mesaverde Participating Area.

Copies of this letter and Schedule are being sent to all Working Interest Owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

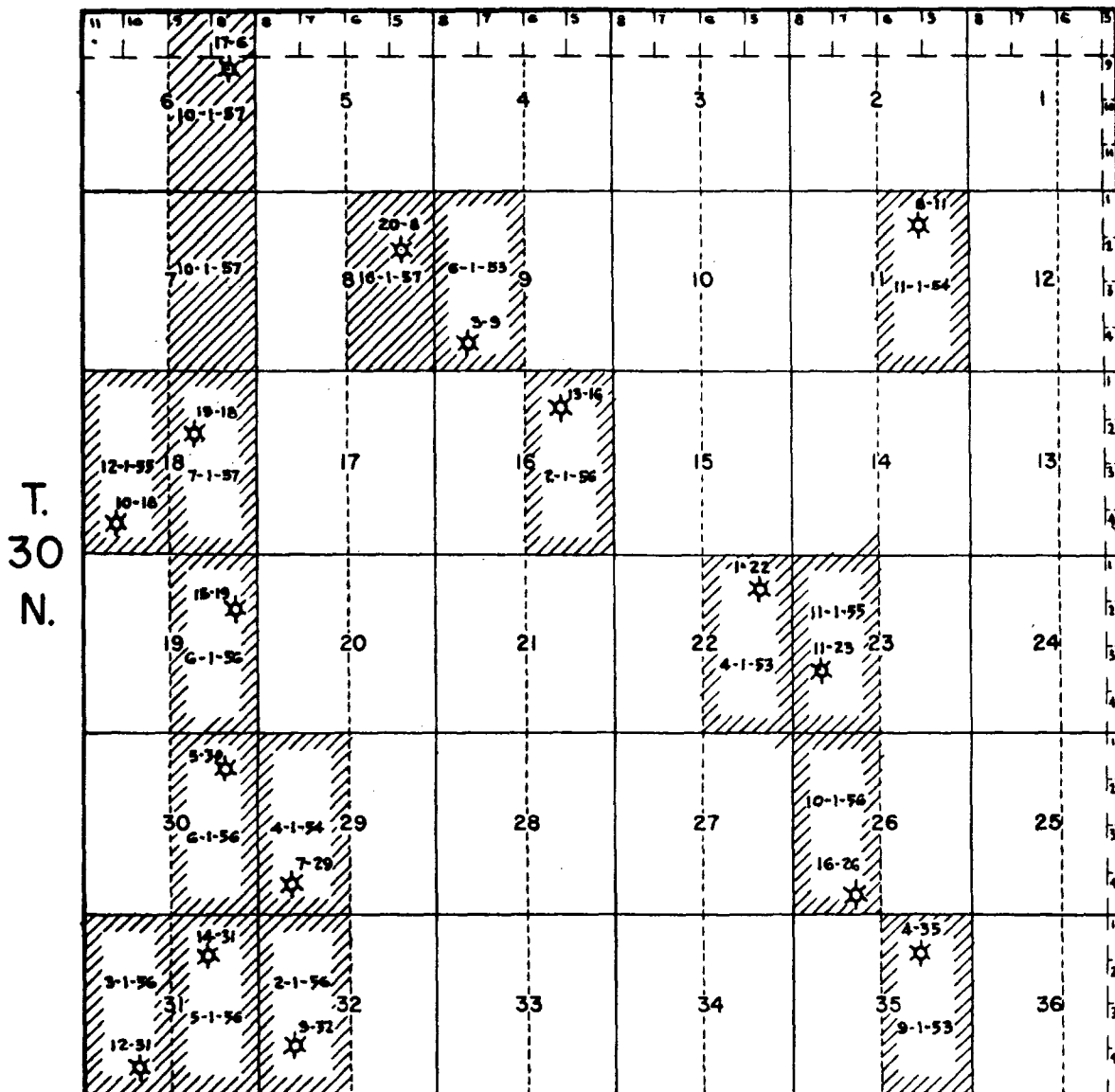
  
Claude Van Dyke  
District Manager, Land Department

CVD: jc

Attachments

# EXHIBIT "A"

R. 5 W.



## SAN JUAN 30-5 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

TWELFTH REVISION EFFECTIVE OCTOBER 1, 1957

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

NOTE: Effective date of inclusion is shown on each drilling block.

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

July 29, 1957

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

MAIN OFFICE OCC  
1957 AUG 2 AM 8:20

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL  
WELL

*file 417*

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:

Pursuant to Section 11 (a) of San Juan 30-5 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesa-verde Formation has been completed upon acreage committed to this unit.

The well data is as follows:

SAN JUAN 30-5 MESAVERDE WELL #5-30 - OLD WELL DRILLED DEEPER

LOCATION:	990' from North line and 990' from East line of Section 30, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6230' (grd)
SPUD DATE:	May 27, 1953 (Original Date)
CASING:	10 3/4" cemented at 173' with 125 sx 9 5/8" cemented at 270' with 150 sx 7" cemented at 3202' with 240 sx 5" cemented at 5614' with 150 sx
TOTAL DEPTH:	5621'
DRILLING METHODS:	Drilled with mud to 7" casing point; drilled with gas from 7" casing point to total depth.

San Juan 30-5 Unit  
July 29, 1957

COMPLETION METHOD: Perforated 5" casing. Aqua-fraced (water only) Cliff House intervals from 5102' to 5148' and Menefee intervals from 5182' to 5378' and Point Lookout intervals from 5408' to 5614'

TUBING: 1.66" hung at 5602.59'

COMPLETION TEST DATA

DATE: June 20, 1957

SHUT-IN-PERIOD: 20 days

FINAL SHUT IN PRESSURES: Tubing 1090#  
Casing 1090#

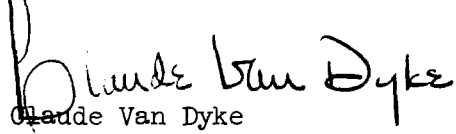
RATE THROUGH TUBING AND  
3/4" CHOKE BY PITOT TUBE  
AFTER 3 HOUR BLOW DOWN: 1,096 Mcfgpd. CAO F

San Juan 30-5 Mesaverde Well # 5-30 is located upon the drilling block described as the E/2 of Section 30, Township 30 North, Range 5 West. This drilling block was included as an intervening drilling block in the Mesaverde Participating Area effective June 1, 1956. Therefore, the Mesaverde Participating Area is not enlarged and the present participation is as shown on Schedule XII for the Eleventh Expanded Participating Area for the Mesaverde Formation, effective July 1, 1957.

Copies of this letter are being sent to all Working Interest Owners within the San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Claude Van Dyke  
District Manager, Land Department

CVD: jc

PACIFIC NORTHWEST PIPELINE CORPORATION

SALT LAKE CITY, UTAH

July 26, 1957

MAIN OFFICE OCC

1957 AUG 2 AM 8:20

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

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

*file 417*

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
ELEVENTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: July 1, 1957

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL # 19-18

LOCATION:	1850' from North line and 1850' from East line of Section 18, T-30-N, R-5-W, N.M.P.M.
ELEVATION:	6410' (grd)
SPUD DATE:	April 18, 1957
CASING:	10 3/4" cemented at 219.09' with 235 sx 7 5/8" cemented at 3552' with 200 sx 5 1/2" cemented at 5800' with 200 sx
TOTAL DEPTH:	5800' T.D.
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 Point Lookout intervals from 5606' to 5790'. Aqua-fraced Menefee and Cliff House inter- vals from 5306' to 5590'.

Eleventh Expansion - Mesaverde  
San Juan 30-5 Unit  
Page 2

TUBING:  $1\frac{1}{4}$ " hung at 5776'

COMPLETION TEST DATA

DATE: June 17, 1957  
SHUT-IN-PERIOD: 7 days  
FINAL SHUT-IN PRESSURES: Tubing 885#  
Casing 1137#  
RATE THROUGH TUBING AND  $3/4$ "  
CHOKE AFTER 3 HOUR BLOW  
DOWN: CAOF 7,115 Mcfgpd.

San Juan 30-5 Mesaverde Well # 19-18 is located upon the drilling block described as the E/2 of Section 18, Township 30 North, Range 5 West, N.M.P.M. This drilling block, containing 320 acres, is hereby admitted to the participating area.

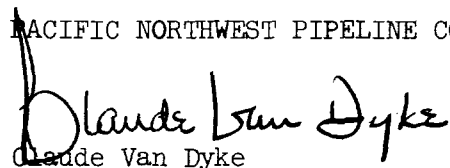
Attached is Schedule XII showing the eleventh Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Attached also is Exhibit "A", a plat of San Juan 30-5 Unit, indicating the Mesaverde Participating Area as of July 1, 1957.

Copies of this letter and schedule are being sent to all Working Interest Owners within San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



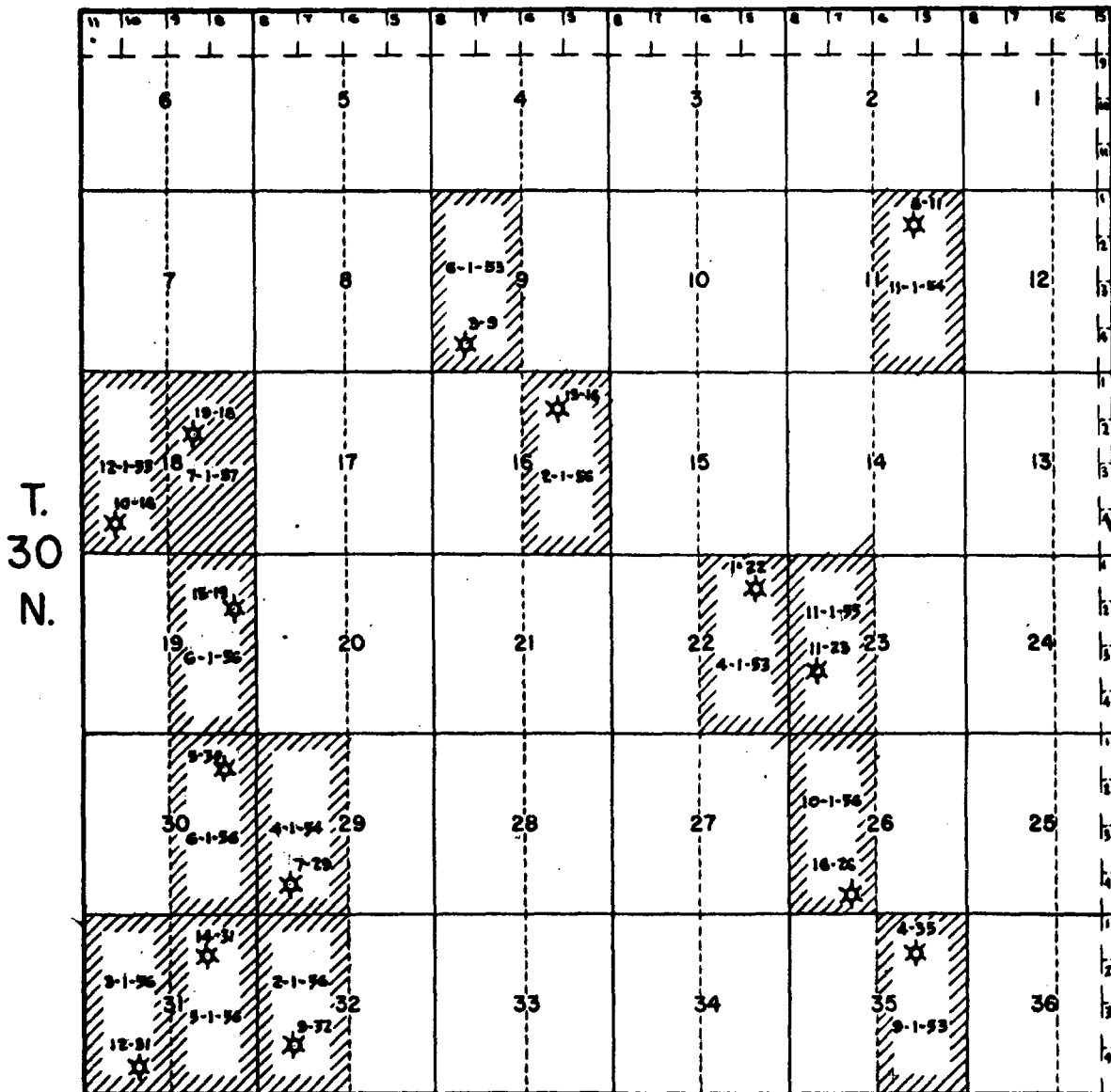
Claude Van Dyke  
District Manager, Land Department

CVD:jc

Attachments

# EXHIBIT "A"

R. 5 W.



## SAN JUAN 30-5 UNIT

RIO ARRIBA COUNTY, NEW MEXICO

Mesaverde Participating Area

REVISION EFFECTIVE DATE JULY 1, 1957

SCALE 1 inch = 1 mile



Participating area.



Drilling blocks added to participating area by this revision.

PACIFIC NORTHWEST PIPELINE CORPORATION

MAINTENANCE COO

SALT LAKE CITY, UTAH

11:07 AM 7:53

October 26, 1956

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

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

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
TENTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: October 1, 1956

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL #16-26

LOCATION:	1100' from South line and 1950' from West line of Section 26, T-30-N, R-5-W, N.M.P.M.
ELEVATION:	6580' (grd.)
SPUD DATE:	May 3, 1956
CASING:	9 5/8" cemented at 214' with 200 sx 7" cemented at 3590' with 200 sx 5" cemented at 5888' with 150 sx
TOTAL DEPTH:	5888' T.D.; 5848' P.B.
DRILLING METHODS:	Drilled with mud to 7" casing point; drilled with gas from 7" casing point to total depth.
COMPLETION METHOD:	Perforated 5" casing. Aqua-fraced (with sand) Lower Point Lookout intervals from 5836' to 5764' and Upper Point Lookout intervals from 5748' to 5704'. Aqua-fraced (water only) Menefee and Cliff House intervals from 5650' to 5456'.



Tenth Expansion - Mesaverde  
San Juan 30-5 Unit

October 26, 1956

TUBING: 2" hung at 5800'

COMPLETION TEST DATA

DATE: September 19, 1956

SHUT-IN-PERIOD: 7 days

FINAL SHUT -IN PRESSURES: Tubing 1006#  
Casing 997#

RATE THROUGH TUBING AND 3/4"  
CHOKE AFTER 3 HOUR BLOW DOWN: 2,209 Mcfgpd; CAOF 2,520 Mcfgpd.

San Juan 30-5 Mesaverde Well #16-26 is located upon the drilling block described as the W/2 of Section 26, Township 30 North, Range 5 West, N.M.P.M. This drilling block is hereby admitted to the participating area.

Attached is Schedule XI showing the Tenth Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and schedule are being sent to all Working Interest Owners within San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION



Donald L. Anderson  
District Manager, Land Department

DLA:jlb

Attachment

SCHEDULE XI  
 TENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: OCTOBER 1, 1956

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
	<u>TRACT 4</u>				
SF 078739	T 30 N, R 5 W Sec. 22: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 84.50 % Royalty: 12.50 % O.R.R.I.: 3.00 % TOTAL 100.00 %	84.50 % 12.50 % 3.00 % <u>100.00 %</u>	7.142857 %
San Juan 30-5 Mesaverde Well #1-22	Sec. 22: E/2	<u>320.00</u>		<u>100.00 %</u>	<u>7.142857 %</u>
	<u>TRACT 7</u>				
SF 078997	T 30 N, R 5 W Sec. 9: W/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	7.142857 %
San Juan 30-5 Mesaverde Well #3-9	Sec. 9: W/2	<u>320.00</u>		<u>100.00 %</u>	<u>7.142857 %</u>

Tenth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
	<u>TRACT 2</u>				
N. M. 012332	T 30 N, R 5 W Sec. 35: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 83.00 % Royalty: 12.50 % O.R.R.I.: 4.50 % TOTAL 100.00 %	83.00 % 12.50 % 4.50 % <u>100.00 %</u>	7.142857 %
San Juan 30-5 Mesaverde Well #4-35	Sec. 35: E/2	<u>320.00</u>		<u>100.00 %</u>	<u>7.142857 %</u>
	<u>TRACT 15</u>				
SF 080538	T 30 N, R 5 W Sec. 11: E/2	320.00	Working Interest: El Paso Natural Gas Company 83.125 % Royalty: 12.500 % O.R.R.I.: 4.375 % TOTAL 100.000 %	83.125 % 12.500 % 4.375 % <u>100.000 %</u>	7.142857 %
San Juan 30-5 Mesaverde Well #8-11	Sec. 11: E/2	<u>320.00</u>		<u>100.000 %</u>	<u>7.142857 %</u>

Tenth Expansion - Mesaverde  
 San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078740	T 30 N, R 5 W Sec. 29: N/2 NW/4, SW/4 NW/4	120.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	2.678572 %
	<u>TRACT 5</u>				
SF 078740	T 30 N, R 5 W Sec. 29: SW/4, SE/4 NW/4	200.00	Working Interest: Pacific Northwest Pipeline Corp. 83.00 % Royalty: 12.50 % O.R.R.I.: 4.50 % TOTAL 100.00 %	83.00 % 12.50 % 4.50 % <u>100.00 %</u>	4.464286 %
	<u>TRACT 5</u>				
San Juan 30-5 Mesaverde Well #7-29	Sec. 29: W/2	320.00		100.00 %	<u>7.142858 %</u>

Tenth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078738	T 30 N, R 5 W Sec. 23: W/2	320.00	<u>TRACT 3</u>  Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	7.142857 %
San Juan 30-5 Mesaverde Well #11-23	Sec. 23: W/2	<u>320.00</u>		<u>100.00 %</u>	<u>7.142857 %</u>
SF 078994	T 30 N, R 5 W Sec. 18: W/2	320.00	<u>TRACT 6</u>  Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	7.142857 %
San Juan 30-5 Mesaverde Well #10-18	Sec. 18: W/2	<u>320.00</u>		<u>100.00 %</u>	<u>7.142857 %</u>

Tenth Expansion - Mesaverde  
 San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
E-347-23	T 30 N, R 5 W Sec. 32: NW/4	160.00	<u>TRACT 17 b</u>  Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	3.571428 %
E-347-26	T 30 N, R 5 W Sec. 32: SW/4	160.00	<u>TRACT 17 f</u>  Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	3.571429 %
San Juan 30-5 Mesaverde Well #9-32	Sec. 32: W/2	320.00		<u>100.00 %</u>	<u>7.142857 %</u>

Tenth Expansion - Mesaverde  
 San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 17</u>					
E-347-7	T 30 N, R 5 W Sec. 16: NE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. 87.50 % Royalty: 12.50 % TOTAL 100.00 %	87.50 % 12.50 % 100.00 %	3.571429 %
<u>TRACT 17 f</u>					
E-347-26	T 30 N, R 5 W Sec. 16: SE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	3.571428 %
San Juan 30-5 Mesaverde Well #13-16	Sec. 16: E/2	320.00		100.00 %	<u>7.142857 %</u>

Tenth Expansion - Mesaverde  
 San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
NM 012331	T 30 N, R 5 W Sec. 31: NW/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	3.571428 %
			<u>TRACT 12</u>		
NM 012335	T 30 N, R 5 W Sec. 31: SW/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	3.571429 %
San Juan 30-5 Mesaverde Well #12-31	Sec. 31: W/2	<u>320.00</u>		<u>100.00 %</u>	<u>7.142857 %</u>



Tenth Expansion - Mesaverde  
 San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
NM 012331	<u>T 30 N, R 5 W</u> <u>Sec. 31: NE/4</u>	160.00	<u>TRACT 1</u> Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	3.571428 %
NM 021335	<u>T 30 N, R 5 W</u> <u>Sec. 31: SE/4</u>	160.00	<u>TRACT 12</u> Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % <u>100.00 %</u>	3.571429 %
<u>San Juan 30-5</u> <u>Mesaverde Well</u> <u>#14-31</u>	<u>Sec. 31: E/2</u>	<u>320.00</u>		<u>100.00 %</u>	<u>7.142857 %</u>

Tenth Expansion - Mesaverde  
 San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078740	<u>T 30 N, R 5 W</u> <u>Sec. 19: E/2</u>	320.00	<u>TRACT 5</u> Working Interest: 82.50% Pacific Northwest Pipeline Corp. 12.50% Royalty: 5.00% O.R.R.I.: 100.00% <u>TOTAL</u>	82.50% 12.50% 5.00% 100.00%	7.142857 %
San Juan 30-5 Mesaverde Well <u>#15-19</u>	<u>Sec. 19: E/2</u>	<u>320.00</u>		<u>100.00%</u>	<u>7.142857 %</u>
SF 078740	<u>T 30 N, R 5 W</u> <u>Sec. 30: E/2</u>	320.00	<u>TRACT 5</u> Working Interest: 83.00% Pacific Northwest Pipeline Corp. 12.50% Royalty: 4.50% O.R.R.I.: 100.00% <u>TOTAL</u>	83.00% 12.50% 4.50% 100.00%	7.142857 %
<u>No Well</u>	<u>Sec. 30: E/2</u>	<u>320.00</u>		<u>100.00%</u>	<u>7.142857 %</u>

Tenth Expansion - Mesaverde  
 Sant Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078738	T 30 N, R 5 W Sec. 26: NE/4 SW/4	40.00	Working Interest: Pacific Northwest Pipeline Corp.: 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	0.892858 %
			<u>TRACT 3</u>		
SF 078738	T 30 N, R 5 W Sec. 26: NW/4	160.00	Working Interest: Pacific Northwest Pipeline Corp.: 84.00 % Royalty: 12.50 % O.R.R.I.: 3.50 % TOTAL 100.00 %	84.00 % 12.50 % 3.50 % 100.00 %	3.571428 %
			<u>TRACT 24</u>		
Fee	T 30 N, R 5 W Sec. 26: W/2 SW/4, SE/4 SW/4	120.00	Working Interest: Pacific Northwest Pipeline Corp.: 87.50 % Royalty: 12.50 % TOTAL 100.00 %	87.50 % 12.50 % 100.00 %	2.678572 %
San Juan 30-5 Mesaverde Well #16-26	Sec. 26: W/2	320.00		100.00 %	<u>7.142858 %</u>

SCHEDULE XI  
 TENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: OCTOBER 1, 1956

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RECAPITULATION

Description of lands in Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

- Sec. 9: W/2
- Sec. 11: E/2
- Sec. 16: E/2
- Sec. 18: W/2
- Sec. 19: E/2
- Sec. 22: E/2
- Sec. 23: W/2
- Sec. 26: W/2
- Sec. 29: W/2
- Sec. 30: E/2
- Sec. 31: All
- Sec. 32: W/2
- Sec. 35: E/2

Total Number of Acres in Participating Area      4,480.00

Percentage of Working Interest Committed:      100.00 %  
 Percentage of Basic Royalty Interest Committed:      100.00 %  
 Percentage of O.R.R.I. Committed:      100.00 %

MAIL OFFICE 000  
1956 JUN 14 AM 8:17

PACIFIC NORTHWEST PIPELINE CORPORATION

HOUSTON, TEXAS

REPLY TO:  
PRODUCTION DEPARTMENT  
520 SIMMS BUILDING  
ALBUQUERQUE, NEW MEXICO

June 11, 1956

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
NINTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: June 1, 1956

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

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

*file*

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL #15-19

LOCATION:	1675' from North line and 800' from East line of Section 19, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6424' (grd.)
SPUD DATE:	March 24, 1956
CASING:	9 5/8" cemented at 185' with 150 sx 7" cemented at 3435' with 150 sx 5" cemented at 5767' with 150 sx
TOTAL DEPTH:	5770'

Ninth Expansion - Mesaverde  
San Juan 30-5 Unit

June 11, 1956

DRILLING METHODS: Drilled with cable tools to surface casing point; drilled with mud from 7" casing point; drilled with gas from 7" casing point to total depth.

COMPLETION METHOD: Perforated 5" casing. Aqua-fraced (water only) Lower Point Lookout intervals from 5764' to 5652', Upper Point Lookout intervals from 5628' to 5592', Menefee intervals from 5548' to 5316'.

TUBING: 2" hung at 5747'

COMPLETION TEST DATA

DATE: May 14, 1956

SHUT-IN-PERIOD: 7 days

FINAL SHUT-IN-PRESSURES: Tubing 1190#  
Casing 1187#

RATE THROUGH TUBING AND  
3/4" CHOKE BY PITOT TUBE  
AFTER 3 HOUR BLOW DOWN: 2,540 Mcfgpd.

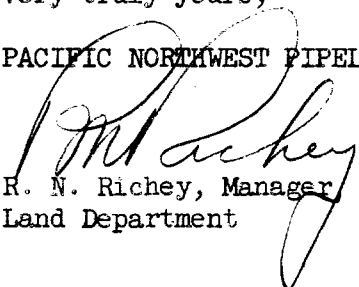
San Juan 30-5 Mesaverde Well #15-19 is located upon the drilling block described as the E/2 of Section 19, Township 30 North, Range 5 West, N.M.P.M. This drilling block is hereby admitted to the participating area. In addition, an intervening drilling block described as the E/2 of Section 30, Township 30 North, Range 5 West is created by the completion of San Juan 30-5 Mesaverde Well #15-19 and the previous completion of San Juan 30-5 Mesaverde Well #14-31 located upon the drilling block described as the E/2 of Section 31, Township 30 North, Range 5 West. This intervening drilling block is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Section 11 of the San Juan 30-5 Unit Agreement.

Attached is Schedule X showing the Ninth Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all Working Interest Owners within San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. Richey, Manager  
Land Department

RNR:DLA:mhg  
Attachment

SCHEDULE X  
 NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: JUNE 1, 1956

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE OWNERSHIP	COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078739	T 30 N, R 5 W Sec. 22: E/2	320.00	TRACT 4 Working Interest: Pacific Northwest Pipeline Corp. 84.50 % Royalty: 12.50 % O.R.R.I.: 3.00 % TOTAL 100.00 %	84.50 % 12.50 % 3.00 % 100.00 %	<u>7.692308 %</u> 7.692308 %
San Juan 30-5 Mesaverde Well #1-22	Sec. 22: E/2	320.00		100.00 %	<u>7.692308 %</u>
SF 078997	T 30 N, R 5 W Sec. 9: W/2	320.00	TRACT 7 Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	<u>7.692308 %</u> 7.692308 %
San Juan 30-5 Mesaverde Well #3-9	Sec. 9: W/2	320.00		100.00 %	<u>7.692308 %</u>

Ninth Expansion - Mesaverde

San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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N. M. 012332

T 30 N, R 5 W  
Sec. 35: E/2

320.00

TRACT 2

Working Interest:  
Pacific Northwest Pipeline Corp. 83.00 %  
Royalty: 12.50 %  
O.R.R.I.: 4.50 %  
TOTAL 100.00 %

83.00 %  
12.50 %  
4.50 %  
100.00 %

7.692307 %

San Juan 30-5  
Mesaverde Well  
#1-35

Sec. 35: E/2

320.00

TRACT 15

Working Interest:  
El Paso Natural Gas Company 83.125 %  
Royalty: 12.500 %  
O.R.R.I.: 4.375 %  
TOTAL 100.000 %

83.125 %  
12.500 %  
4.375 %  
100.000 %

7.692307 %

SF 080538

T 30 N, R 5 W  
Sec. 11: E/2

320.00

San Juan 30-5  
Mesaverde Well  
#8-11

Sec. 11: E/2

320.00

100.000 %

7.692307 %



Ninth Expansion - Mesaverde

San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK AND PERCENTAGE OWNERSHIP</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>	
SF 078740	T 30 N, R 5 W Sec. 29: N/2 NW/4, SW/4 NW/4	120.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:  TOTAL	82.50 % 12.50 % 5.00 %  100.00 %	82.50 % 12.50 % 5.00 %  100.00 %	2.884615 %
	<u>TRACT 5</u>					
SF 078740	T 30 N, R 5 W Sec. 29: SW/4, SE/4 NW/4	200.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:  TOTAL	83.00 % 12.50 % 4.50 %  100.00 %	83.00 % 12.50 % 4.50 %  100.00 %	4.807692 %
	<u>TRACT 5</u>					
	San Juan 30-5 Mesaverde Well #7-29	320.00				7.692307 %
	Sec. 29: W/2					

**Ninth Expansion - Mesaverde**

San Juan 30-5 Unit

SERIAL NUMBER

DRILLING BLOCK

NUMBER OF ACRES

DRILLING BLOCK AND OWNERSHIP PERCENTAGE

COMMITTED

PRESENT ACTUAL PARTICIPATION

SF 078738

T 30 N, R 5 W  
Sec. 23: W/2

320.00

Working Interest:  
Pacific Northwest Pipeline Corp.  
Royalty:  
O.R.R.I.:  
TOTAL

82.50 %  
12.50 %  
5.00 %  
100.00 %

82.50 %  
12.50 %  
5.00 %  
100.00 %

7.692308 %

TRACT 3

San Juan 30-5  
Mesaverde Well  
#11-23

Sec. 23: W/2

320.00

TRACT 6

SF 078994

T 30 N, R 5 W  
Sec. 18: W/2

320.00

Working Interest:  
Pacific Northwest Pipeline Corp.  
Royalty:  
O.R.R.I.:  
TOTAL

82.50 %  
12.50 %  
5.00 %  
100.00 %

82.50 %  
12.50 %  
5.00 %  
100.00 %

7.692308 %

San Juan 30-5  
Mesaverde Well  
#10-18

Sec. 18: W/2

320.00

100.00 %

7.692308 %

Ninth Expansion - Mesaverde

San Juan 30-5 Unit

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

3.846154 %

E-347-23  
 T 30 N, R 5 W  
 Sec. 32: NW/4

160.00

Working Interest:  
 Pacific Northwest Pipeline Corp. 82.50 %  
 Royalty: 12.50 %  
 O.R.R.I.: 5.00 %  
 TOTAL 100.00 %

82.50 %  
 12.50 %  
 5.00 %  
 100.00 %

TRACT 17 b

3.846154 %

E-347-26  
 T 30 N, R 5 W  
 Sec. 32: SW/4

160.00

Working Interest:  
 Pacific Northwest Pipeline Corp. 82.50 %  
 Royalty: 12.50 %  
 O.R.R.I.: 5.00 %  
 TOTAL 100.00 %

82.50 %  
 12.50 %  
 5.00 %  
 100.00 %

San Juan 30-5  
 Mesaverde Well  
 #9-32

Sec. 32: W/2

320.00

100.00 %

7.692308 %

Ninth Expansion - Mesaverde

San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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E-347-7  
 T 30 N, R 5 W  
 Sec. 16: NE/4  
 160.00

TRACT 17  
 Working Interest:  
 Pacific Northwest Pipeline Corp. 87.50 %  
 Royalty: 12.50 %  
 TOTAL 100.00 %

3.846154 %

E-347-26  
 T 30 N, R 5 W  
 Sec. 16: SE/4  
 160.00

TRACT 17 f  
 Working Interest:  
 Pacific Northwest Pipeline Corp. 82.50 %  
 Royalty: 12.50 %  
 O.R.R.I.: 5.00 %  
 TOTAL 100.00 %

3.846154 %

San Juan 30-5  
 Mesaverde Well  
 #13-16  
 Sec. 16: E/2  
 320.00

100.00 %

7.692308 %

Ninth Expansion - Mesaverde

San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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NM 012331  
T 30 N, R 5 W  
Sec. 31: NW/4  
 160.00

TRACT 1  
 Working Interest: 82.50 %  
 Pacific Northwest Pipeline Corp. 12.50 %  
 Royalty: 5.00 %  
 O.R.R.I.:  
 TOTAL 100.00 %

3.846154 %

NM 012335  
T 30 N, R 5 W  
Sec. 31: SW/4  
 160.00

TRACT 12  
 Working Interest: 82.50 %  
 Pacific Northwest Pipeline Corp. 12.50 %  
 Royalty: 5.00 %  
 O.R.R.I.:  
 TOTAL 100.00 %

3.846154 %

San Juan 30-5  
 Mesaverde Well  
#12-31  
Sec. 31: W/2  
 320.00

100.00 %

7.692308 %

Ninth Expansion - Mesaverde

San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK		COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP AND	PERCENTAGE		
NM 012331	T 30 N, R 5 W Sec. 31: NE/4	160.00	<u>TRACT 1</u>			
			Working Interest:	82.50 %	82.50 %	
			Pacific Northwest Pipeline Corp.	12.50 %	12.50 %	
			Royalty:	5.00 %	5.00 %	
			O.R.R.I.:	100.00 %	100.00 %	
	TOTAL					3.846154 %

NM 021335	T 30 N, R 5 W Sec. 31: SE/4	160.00	<u>TRACT 12</u>		COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP AND	PERCENTAGE		
			<u>TRACT 12</u>			
			Working Interest:	82.50 %	82.50 %	
			Pacific Northwest Pipeline Corp.	12.50 %	12.50 %	
			Royalty:	5.00 %	5.00 %	
			O.R.R.I.:	100.00 %	100.00 %	
	TOTAL					3.846154 %

San Juan 30-5 Mesaverde Well <u>#14-31</u>	Sec. 31: E/2	<u>320.00</u>			<u>100.00 %</u>	<u>7.692308 %</u>
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Ninth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078740	<u>T 30 N, R 5 W</u> <u>Sec. 19: E/2</u>	320.00	<p>Working Interest: Pacific Northwest Pipeline Corp. 82.50% Royalty: 12.50% O.R.R.I.: 5.00% TOTAL 100.00%</p> <p>TRACT 5</p>	82.50% 12.50% 5.00% 100.00%	7.692307%
San Juan 30-5 Mesaverde Well <u>#15-19</u>	<u>Sec. 19: E/2</u>	<u>320.00</u>	<p>TRACT 5</p>	<u>100.00%</u>	<u>7.692307%</u>
SF 078740	<u>T 30 N, R 5 W</u> <u>Sec. 30: E/2</u>	320.00	<p>Working Interest: Pacific Northwest Pipeline Corp. 83.00% Royalty: 12.50% O.R.R.I.: 4.50% TOTAL 100.00%</p> <p>TRACT 5</p>	83.00% 12.50% 4.50% 100.00%	7.692308%
<u>No Well</u>	<u>Sec. 30: E/2</u>	<u>320.00</u>		<u>100.00%</u>	<u>7.692308%</u>

SCHEDULE X  
 NINTH EXPANDED PARTICIPATING AREA FOR THE MESAVERTDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: JUNE 1, 1956

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RECAPITULATION

Description of lands in Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

Sec. 9:	W/2
Sec. 11:	E/2
Sec. 16:	E/2
Sec. 18:	W/2
Sec. 19:	E/2
Sec. 22:	E/2
Sec. 23:	W/2
Sec. 29:	W/2
Sec. 30:	E/2
Sec. 31:	All
Sec. 32:	W/2
Sec. 35:	E/2

Total Number of Acres in Participating Area

4,160.00

Percentage of Working Interest Committed:	100.00 %
Percentage of Basic Royalty Interest Committed:	100.00 %
Percentage of O.R.R.I. Committed:	100.00 %



417

PACIFIC NORTHWEST PIPELINE CORPORATION

HOUSTON, TEXAS

REPLY TO:  
PRODUCTION DEPARTMENT  
520 SIMMS BUILDING  
ALBUQUERQUE, NEW MEXICO

May 9, 1956

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

Re: (San Juan 30-5 Unit) #14-08-001-346  
Rio Arriba County, New Mexico  
NOTICE OF COMPLETION OF ADDITIONAL WELL

*file*

Commissioner of Public Lands  
State of New Mexico  
Box 871  
Santa Fe, New Mexico

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

Gentlemen:

Pursuant to Section 11 (a) of San Juan 30-5 Unit Agreement, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit.

The well data is as follows:

SAN JUAN 30-5 MESAVERDE WELL #14-31

LOCATION:	1180' from North line and 1750' from East line of Section 31, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6,834' (grd.)
SPUD DATE:	February 18, 1956
CASING:	9 5/8" cemented at 199' with 225 sx 7" cemented at 3970' with 250 sx 5" cemented at 6168' with 150 sx
TOTAL DEPTH:	6169'; 6167' PB
DRILLING METHODS:	Drilled with mud to 7" casing point; drilled with gas from 7" casing point to total depth.

PACIFIC NORTHWEST PIPELINE CORPORATION

MAIN OFFICE PHONE 7-0211 • SIMMS BUILDING

1956 MAR 20 AM 8:03 ALBUQUERQUE, NEW MEXICO

March 15, 1956

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
EIGHTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: March 1, 1956

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

*file*

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, 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, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL #12-31

LOCATION:	990' from South line and 1650' from West line of Section 31, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6,589.5' (grd.)
SPUD DATE:	December 30, 1955
CASING:	10 3/4" cemented at 215' with 170 sx 7 5/8" cemented at 3588' with 200 sx 5 1/2" cemented at 5922' with 150 sx
TOTAL DEPTH:	5922'; 5918' PB

March 15, 1956

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

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced (water  
only) Cliff House intervals from 5376' to  
5482" and Menefee intervals from 5504' to  
5664'. Aqua-fraced (with sand) Upper Point  
Lookout intervals from 5722' to 5796'.  
Aqua-fraced (with 2% acid solution) Lower  
Point Lookout intervals from 5812' to 5916'.

TUBING: 2" hung at 5900'

COMPLETION TEST DATA

DATE: February 14, 1956

SHUT-IN-PERIOD: 15 days

FINAL SHUT-IN-PRESSURES: Tubing 1101 #  
Casing 1107 #

RATE THROUGH TUBING AND  
3/4" CHOKE BY PITOT TUBE  
AFTER 3 HOUR BLOW DOWN: 4,747 Mcfgpd.


San Juan 30-5 Mesaverde Well #12-31 is located upon the drilling block described as the W/2 of Section 31, Township 30 North, Range 5 West, N.M.P.M. This drilling block is hereby admitted to the participating area. In addition, an intervening drilling block described as the E/2 of Section 31, Township 30 North, Range 5 West is created by the completion of San Juan 30-5 Mesaverde Well #12-31 and the previous completion of San Juan 30-5 Mesaverde Well #9-32 located upon the drilling block described as the W/2 of Section 32, Township 30 North, Range 5 West. This intervening drilling block is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Section 11 of the San Juan 30-5 Unit Agreement.

Attached is Schedule IX showing the Eighth Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all Working Interest Owners within San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
F. N. Richey, Manager  
Land Department

DLA:jce  
Attachment

SCHEDULE IX  
 EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: MARCH 1, 1956

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	DRILLING BLOCK AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078739	T 30 N, R 5 W Sec. 22: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 84.50 % Royalty: 12.50 % O.R.R.I.: 3.00 % TOTAL 100.00 %	TRACT 4	84.50 % 12.50 % 3.00 % 100.00 %	0.090909 %
San Juan 30-5 Mesaverde Well #1-22	Sec. 22: E/2	320.00			100.00 %	0.090909 %
TRACT 7						
SF 078997	T 30 N, R 5 W Sec. 9: W/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %		82.50 % 12.50 % 5.00 % 100.00 %	0.090909 %
San Juan 30-5 Mesaverde Well #3-9	Sec. 9: W/2	320.00			100.00 %	0.090909 %

Eighth Expansion - Mesaverde  
San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 2</u>					
N. M. 012332	T 30 N, R 5 W Sec. 35: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 83.00 % Royalty: 12.50 % O.R.R.I.: 4.50 % TOTAL 100.00 %	83.00 % 12.50 % 4.50 % 100.00 %	0.090909 %
<u>TRACT 15</u>					
SF 080538	T 30 N, R 5 W Sec. 11: E/2	320.00	Working Interest: El Paso Natural Gas Company 83.125 % Royalty: 12.500 % O.R.R.I.: 4.375 % TOTAL 100.000 %	83.125 % 12.500 % 4.375 % 100.000 %	0.090909 %
San Juan 30-5 Mesaverde Well #8-11	Sec. 11: E/2	320.00		100.000 %	0.090909 %

Eighth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078740	T 30 N, R 5 W Sec. 29: N/2 NW/4, SW/4 NW/4	120.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	0.034091 %
<u>TRACT 5</u>					
SF 078740	T 30 N, R 5 W Sec. 29: SW/4, SE/4 NW/4	200.00	Working Interest: Pacific Northwest Pipeline Corp. 83.00 % Royalty: 12.50 % O.R.R.I.: 4.50 % TOTAL 100.00 %	83.00 % 12.50 % 4.50 % 100.00 %	0.056818 %
<u>TRACT 5</u>					
San Juan 30-5 Mesaverde Well <u>#7-29</u>	Sec. 29: W/2	<u>320.00</u>		<u>100.00 %</u>	<u>0.090909 %</u>

Eightth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK AND PERCENTAGE OWNERSHIP</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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SF 078738	T 30 N, R 5 W Sec. 23: W/2	320.00			
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Working Interest:  
Pacific Northwest Pipeline Corp.  
Royalty:  
O.R.R.I.:  
TOTAL

82.50 %	82.50 %
12.50 %	12.50 %
5.00 %	5.00 %
<u>100.00 %</u>	<u>100.00 %</u>

0.090909 %

San Juan 30-5 Mesaverde Well #11-23	Sec. 23: W/2	320.00			
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TRACT 6

SF 078994	T 30 N, R 5 W Sec. 18: W/2	320.00			
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Working Interest:  
Pacific Northwest Pipeline Corp.  
Royalty:  
O.R.R.I.:  
TOTAL

82.50 %	82.50 %
12.50 %	12.50 %
5.00 %	5.00 %
<u>100.00 %</u>	<u>100.00 %</u>

0.090909 %

San Juan 30-5 Mesaverde Well #10-18	Sec. 18: W/2	320.00			
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100.00 %

0.090909 %

Eighth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
E-347-23	<u>T 30 N, R 5 W</u> <u>Sec. 32: NW/4</u>	160.00	<p><u>TRACT 17 b</u></p> <p>Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %</p>	82.50 % 12.50 % 5.00 % 100.00 %	0.045455 %
E-347-26	<u>T 30 N, R 5 W</u> <u>Sec. 32: SW/4</u>	160.00	<p><u>TRACT 17 f</u></p> <p>Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %</p>	82.50 % 12.50 % 5.00 % 100.00 %	0.045455 %
San Juan 30-5 Mesaverde Well <u>#9-32</u>	<u>Sec. 32: W/2</u>	<u>320.00</u>		<u>100.00 %</u>	<u>0.090910 %</u>



Eighth Expansion - Mesaverde

San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
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E-347-7

T 30 N, R 5 W  
Sec. 16: NE/4

160.00

Working Interest:  
Pacific Northwest Pipeline Corp.  
Royalty:  
TOTAL

87.50 %
12.50 %
<u>100.00 %</u>

87.50 %
12.50 %
<u>100.00 %</u>

0.045455 %

TRACT 17 F

E-347-26

T 30 N, R 5 W  
Sec. 16: SE/4

160.00

Working Interest:  
Pacific Northwest Pipeline Corp.  
Royalty:  
O.R.R.I.:  
TOTAL

82.50 %
12.50 %
5.00 %
<u>100.00 %</u>

82.50 %
12.50 %
5.00 %
<u>100.00 %</u>

0.045454 %

San Juan 30-5  
Mesaverde Well  
#13-16

Sec. 16: E/2

320.00

100.00 %

0.090909 %

Eight Expansion - Mesaverde

San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK AND PERCENTAGE OWNERSHIP</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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0.045455 %

NM 012331	T 30 N, R 5 W Sec. 31: NW/4	160.00	<u>TRACT 1</u>		82.50 % 12.50 % 5.00 % <u>100.00 %</u>
			Working Interest:	82.50 %	
			Pacific Northwest Pipeline Corp.	12.50 %	
			Royalty:	5.00 %	
			O.R.R.I.:		
			TOTAL		

TRACT 12

0.045454 %

NM 012335	T 30 N, R 5 W Sec. 31: SW/4	160.00	<u>TRACT 12</u>		82.50 % 12.50 % 5.00 % <u>100.00 %</u>
			Working Interest:	82.50 %	
			Pacific Northwest Pipeline Corp.	12.50 %	
			Royalty:	5.00 %	
			O.R.R.I.:		
			TOTAL		

San Juan 30-5 Mesaverde Well <u>#12-31</u>	Sec. 31: W/2	<u>320.00</u>			
			<u>100.00 %</u>	<u>100.00 %</u>	<u>0.090909 %</u>

Eightth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>DRILLING BLOCK AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
NM 012331	T 30 N, R 5 W Sec. 31: NE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	TRACT 1 82.50 % 12.50 % 5.00 % 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	0.045455 %
NM 021335	T 30 N, R 5 W Sec. 31: SE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	TRACT 12 82.50 % 12.50 % 5.00 % 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	0.045454 %
<u>No Well</u>	<u>Sec. 31: E/2</u>	<u>320.00</u>			<u>100.00 %</u>	<u>0.090909 %</u>

SCHEDULE IX  
 EIGHTH EXPANDED PARTICIPATING AREA FOR THE MESAVERTDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: MARCH 1, 1956

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RECAPITULATION

Description of lands in Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

Sec. 9:	W/2
Sec. 11:	E/2
Sec. 16:	E/2
Sec. 18:	W/2
Sec. 22:	E/2
Sec. 23:	W/2
Sec. 29:	W/2
Sec. 31:	All
Sec. 32:	W/2
Sec. 35:	E/2

Total Number of Acres in Participating Area: 3,520.00

Percentage of Working Interest Committed:	100.00 %
Percentage of Basic Royalty Interest Committed:	100.00 %
Percentage of O.R.R.I. Committed:	100.00 %

417  
**PACIFIC NORTHWEST PIPELINE CORPORATION**

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

February 10, 1956

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

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

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

Gentlemen:

Under date of February 8, 1956 we distributed the Seventh Expanded Participating Area for the Mesaverde Formation, effective February 1, 1956 for the San Juan 30-5 Unit together with Schedule VIII showing the percentage of participation of various tracts in the participating area. There appears a minor error on Page 6 of the "Schedule VIII Seventh Expanded Participating Area for the Mesaverde Formation, San Juan 30-5 Unit Area, Effective February 1, 1956 and therefore we are enclosing a corrected Page 6 so that you may destroy Page 6 previously sent and substitute the enclosed correct Page 6 therefor.

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
SEVENTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: February 1, 1956

*jce*

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
Donald L. Anderson,  
Land Department

DLA:jce  
Enclosure

Seventh Expansion - Mesaverde  
San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
E-347-7	T 30 N, R 5 W Sec. 16: NE/4	160.00	<p>Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:</p> <p>TOTAL</p>	<p>87.50 % 12.50 % 100.00 %</p>	5.555556 %
<u>TRACT 17</u>					
E-347-26	T 30 N, R 5 W Sec. 16: SE/4	160.00	<p>Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:</p> <p>TOTAL</p>	<p>82.50 % 12.50 % 5.00 % 100.00 %</p>	5.555555 %
<u>TRACT 17 F</u>					
San Juan 30-5 Mesaverde Well <u>#13-16</u>	Sec. 16: E/2	<u>320.00</u>		<u>100.00 %</u>	<u><u>11.111111 %</u></u>

Seventh Expansion - Mesaverde  
San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
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E-347-7	T 30 N, R 5 W Sec. 16: NE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: TOTAL	87.50 % 12.50 % 100.00 %	87.50 % 12.50 % 100.00 %	5.555556 %
			TRACT 17			

E-347-26	T 30 N, R 5 W Sec. 16: SE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	5.555555 %
			TRACT 17 F			

San Juan 30-5 Mesaverde Well #13-16	Sec. 16: E/2	320.00		100.00 %	100.00 %	11.111111 %
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**PACIFIC NORTHWEST PIPELINE CORPORATION**

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

February 8, 1956

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

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

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

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
SEVENTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: February 1, 1956

*file*

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, 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, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL #13-16

LOCATION:	990' from North line and 1650' from East line of Section 16, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6,358.66' (grd.)
SPUD DATE:	December 17, 1955
CASING:	10 3/4" cemented at 200' with 135 sx 7 5/8" cemented at 3435' with 190 sx 5 1/2" cemented at 5706' with 150 sx
TOTAL DEPTH:	5706'



February 8, 1956

**DRILLING METHODS:**

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

**COMPLETION METHOD:**

Perforated 5 1/2" casing. Aquafaced (water only) Cliff House intervals from 5260' to 5368', Menefee intervals from 5400' to 5494', Upper Point Lockout intervals from 5546' to 5618' and Lower Point Lockout intervals from 5634' to 5700'.

**TUBING:**

2" hung at 5669'

COMPLETION TEST DATA

**DATE:**

January 25, 1956

**SHUT-IN PERIOD:**

7 days

**FINAL SHUT-IN PRESSURES:**

Tubing 1214 #  
Casing 1210 #

**RATE BY PITOT TUBE AFTER  
3 HOUR BLOW DOWN:**

2,770 Mcfgpd.

SAN JUAN 30-5 MESAVERDE WELL #9-32

**LOCATION:**

820' from South line and 990'  
from West line of Section 32,  
T 30 N, R 5 W, N.M.P.M.

**ELEVATION:**

6,725' (grd.)

**SPUD DATE:**

November 22, 1955

**CASING:**

10 3/4" cemented at 196' with 140 sx  
7 5/8" cemented at 3810' with 190 sx  
5 1/2" cemented at 6137' with 300 sx

**TOTAL DEPTH:**

6137'

**DRILLING METHODS:**

Drilled with cable tools to surface casing; drilled with mud from surface casing to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth.

Seventh Expansion - Mesaverde  
San Juan 30-5 Unit

February 8, 1956

**COMPLETION METHOD:**

Perforated 5 1/2" casing. Aquafaced (water only) Cliff House intervals from 5540' to 5644', Menefee intervals from 5660' to 5840, Upper Point Lookout intervals 5896' to 5980' and Lower Point Lookout intervals from 6024' to 6132'

**TUBING:**

2" hung at 6022'

COMPLETION TEST DATA

**DATE:**

January 19, 1956

**SHUT-IN-PERIOD:**

7 days

**FINAL SHUT-IN-PRESSURES:**

Tubing 1142 #  
Casing 1146 #

**RATE BY PITOT TUBE**

**AFTER 3 HOUR BLOW DOWN:**

2,372 Mcfgpd.

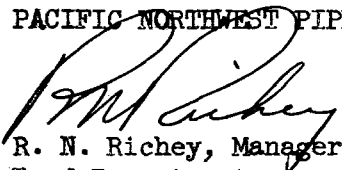
San Juan 30-5 Mesaverde Well #13-16 is located upon the drilling block described as the E/2 of Section 16, Township 30 North, Range 5 West, N.M.P.M., and San Juan 30-5 Mesaverde Well #9-32 is located upon the drilling block described as the W/2 of Section 32, Township 30 North, Range 5 West, N.M.P.M. These drilling blocks are hereby admitted to the participating area.

Attached is Schedule VIII showing the Seventh Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all Working Interest Owners within San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. Richey, Manager  
Land Department

DLA:jce  
Attachment

SCHEDULE VIII  
SEVENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
SAN JUAN 30-5 UNIT AREA  
EFFECTIVE: FEBRUARY 1, 1956

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE		COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 4</u>						
SF 078739	T 30 N, R 5 W Sec. 22: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:	84.50 % 12.50 % 3.00 % TOTAL 100.00 %	84.50 % 12.50 % 3.00 % TOTAL 100.00 %	11.111111 %
<u>TRACT 7</u>						
SF 078997	T 30 N, R 5 W Sec. 9: W/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:	82.50 % 12.50 % 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % TOTAL 100.00 %	11.111111 %
<u>TRACT 9</u>						
#3-9	Sec. 9: W/2	320.00			100.00 %	11.111111 %

San Juan 30-5 Unit  
Seventh Expansion - Mesaverde

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK AND OWNERSHIP</u>	<u>PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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N. M. 012332  
T 30 N, R 5 W  
Sec. 35: E/2  
320.00

Working Interest:  
Pacific Northwest Pipeline Corp. 83.00 %  
Royalty: 12.50 %  
O.R.R.I.: 4.50 %  
TOTAL 100.00 %

TRACT 2

83.00 %  
12.50 %  
4.50 %  
100.00 %

11.111111 %

San Juan 30-5  
Mesaverde Well  
#4-35  
Sec. 35: E/2  
320.00

TRACT 15

100.00 %

11.111111 %

SF 080538  
T 30 N, R 5 W  
Sec. 11: E/2  
320.00

Working Interest:  
El Paso Natural Gas Company 83.125 %  
Royalty: 12.500 %  
O.R.R.I.: 4.375 %  
TOTAL 100.000 %

83.125 %  
12.500 %  
4.375 %  
100.000 %

11.111111 %

San Juan 30-5  
Mesaverde Well  
#8-11  
Sec. 11: E/2  
320.00

100.000 %

11.111111 %

San Juan 30-5 Unit  
Seventh Expansion - Mesaverde

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>TRACT</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078740	T 30 N, R 5 W Sec. 29: N/2 NW/4, SW/4 NW/4	120.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	<u>TRACT 5</u>	82.50 % 12.50 % 5.00 % 100.00 %	4.166667 %
SF 078740	T 30 N, R 5 W Sec. 29: SW/4, SE/4 NW/4	200.00	Working Interest: Pacific Northwest Pipeline Corp. 83.00 % Royalty: 12.50 % O.R.R.I.: 4.50 % TOTAL 100.00 %	<u>TRACT 5</u>	83.00 % 12.50 % 4.50 % 100.00 %	6.944444 %
San Juan 30-5 Mesaverde Well <u>#7-29</u>	<u>Sec. 29: W/2</u>	<u>320.00</u>			<u>100.00 %</u>	<u>11.111111 %</u>

San Juan 30-5 Unit  
Seventh Expansion - Mesaverde

SERIAL NUMBER

DRILLING BLOCK

NUMBER OF ACRES

DRILLING BLOCK AND PERCENTAGE OWNERSHIP

COMMITTED

PRESENT ACTUAL PARTICIPATION

SF 078738

T 30 N, R 5 W  
Sec. 23: W/2

320.00

Working Interest:  
Pacific Northwest Pipeline Corp. 82.50 %  
Royalty: 12.50 %  
O.R.R.I.: 5.00 %  
TOTAL 100.00 %

82.50 %  
12.50 %  
5.00 %  
100.00 %

11.111111 %

San Juan 30-5  
Mesaverde Well  
#11-23

Sec. 23: W/2

320.00

TRACT 6

SF 078994

T 30 N, R 5 W  
Sec. 18: W/2

320.00

Working Interest:  
Pacific Northwest Pipeline Corp. 82.50 %  
Royalty: 12.50 %  
O.R.R.I.: 5.00 %  
TOTAL 100.00 %

82.50 %  
12.50 %  
5.00 %  
100.00 %

11.111111 %

San Juan 30-5  
Mesaverde Well  
#10-18

Sec. 18: W/2

320.00

100.00 %

11.111111 %

San Juan 30-5 Unit  
Seventh Expansion - Mesaverde

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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E-347-23

T 30 N, R 5 W  
Sec. 32: NW/4

160.00

TRACT 17 b

Working Interest:  
Pacific Northwest Pipeline Corp. 82.50 %  
Royalty: 12.50 %  
O.R.R.I.: 5.00 %  
TOTAL 100.00 %

82.50 %  
12.50 %  
5.00 %  
100.00 %

5.555556 %

E-347-26

T 30 N, R 5 W  
Sec. 32: SW/4

160.00

TRACT 17 f

Working Interest:  
Pacific Northwest Pipeline Corp. 82.50 %  
Royalty: 12.50 %  
O.R.R.I.: 5.00 %  
TOTAL 100.00 %

82.50 %  
12.50 %  
5.00 %  
100.00 %

5.555556 %

San Juan 30-5  
Mesaverde Well

#9-32

Sec. 32: W/2

320.00

100.00 %

11.111112 %

San Juan 30-5 Unit  
Seventh Expansion - Mesaverde

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
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TRACT 17

E-347-7	T 30 N, R 5 W Sec. 16: NE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: TOTAL	87.50 % 12.50 % 100.00 %	87.50 % 12.50 % 100.00 %	5.555556 %
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TRACT 17 f

E-347-26	T 30 N, R 5 W Sec. 16: SE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	5.555556 %
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San Juan 30-5 Mesaverde Well <u>#13-16</u>	Sec. 16: E/2	<u>320.00</u>		<u>100.00 %</u>	<u>11.111111 %</u>
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SCHEDULE VIII  
 SEVENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: FEBRUARY 1, 1956

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RECAPITULATION

Description of lands in Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

- Sec. 9: W/2
- Sec. 11: E/2
- Sec. 16: E/2
- Sec. 18: W/2
- Sec. 22: E/2
- Sec. 23: W/2
- Sec. 29: W/2
- Sec. 32: W/2
- Sec. 35: E/2

Total number of Acres in Participating Area: 2,880.00

Percentage of Working Interest Committed: 100.00 %  
 Percentage of Basic Royalty Interest Committed: 100.00 %  
 Percentage of O.R.R.I. Committed: 100.00 %

# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

December 7, 1955

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

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

## SAN JUAN 30-5 MESAVERDE WELL #10-18

LOCATION:	960' from South line and 840' from West line of Section 18, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6218' (grd.)
SPUD DATE:	October 19, 1955
CASING:	10 3/4" cemented at 257' with 175 sx 7 5/8" cemented at 3252' with 200 sx 5 1/2" cemented at 5620' with 125 sx
TOTAL DEPTH	5620'

Re: San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
SIXTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: December 1, 1955

*file*

Sixth Expansion - Mesaverde  
San Juan 30-5 Unit

December 7, 1955

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

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced  
Cliff House intervals from 4884' to 5138',  
Menefee intervals from 5176' to 5332',  
Upper Point Lookout intervals from 5400'  
to 5480' and Lower Point Lookout intervals  
from 5500' to 5566'.

TUBING: 2" hung at 5570'

COMPLETION TEST DATA

DATE: November 23, 1955

SHUT-IN-PERIOD: 7 days

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

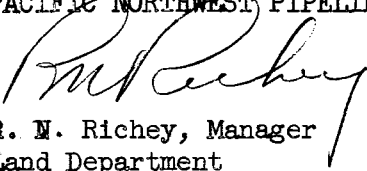
RATE BY PITOT TUBE AFTER  
3 HOUR BLOW DOWN: 4,637 Mcfgpd.

San Juan 30-5 Mesaverde Well #10-18 is located upon the drilling block described as the W/2 of Section 18, Township 30 North, Range 5 West, N.M.P.M. This drilling block is hereby admitted to the participating area. Attached is Schedule VII showing the Sixth Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all Working Interest Owners within San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. M. Richey, Manager  
Land Department

DLA:jce  
Attachment

SCHEDULE VII  
 SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: DECEMBER 1, 1955

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK AND PERCENTAGE OWNERSHIP</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078739	T 30 N, R 5 W Sec. 22: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 84.50 % Royalty: 12.50 % O.R.R.I.: 3.00 % TOTAL 100.00 %	84.50 % 12.50 % 3.00 % 100.00 %	14,285,714 %
<u>TRACT 4</u>					
San Juan 30-5 Mesaverde Well #1-22	Sec. 22: E/2	320.00		100.00 %	<u>14,285,714 %</u>
SF 078997	T 30 N, R 5 W Sec. 9: W/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	14,285,714 %
<u>TRACT 7</u>					
San Juan 30-5 Mesaverde Well #3-9	Sec. 9: W/2	320.00		100.00 %	<u>14,285,714 %</u>

Sixth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK AND PERCENTAGE OWNERSHIP</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
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N. M. 012332	T 30 N, R 5 W Sec. 35: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 83.00 % Royalty: 12.50 % O.R.R.I.: 4.50 % TOTAL 100.00 %	83.00 % 12.50 % 4.50 % 100.00 %	14.285715 %
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San Juan 30-5 Mesaverde Well #4-35	Sec. 35: E/2	320.00		100.00 %	14.285715 %
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TRACT 15

SF 080538	T 30 N, R 5 W Sec. 11: E/2	320.00	Working Interest: El Paso Natural Gas Company 83.125 % Royalty: 12.500 % O.R.R.I.: 4.375 % TOTAL 100.000 %	83.125 % 12.500 % 4.375 % 100.000 %	14.285715 %
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San Juan 30-5 Mesaverde Well #8-11	Sec. 11: E/2	320.00		100.000 %	14.285715 %
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Sixth Expansion - Mesaverde  
San Juan 30-5 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>OWNERSHIP AND PERCENTAGE</u>	<u>DRILLING BLOCK AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
SF 078740	T 30 N, R 5 W Sec. 29: NW/2 NW/4, SW/4 NW/4	120.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	TRACT 5 82.50 % 12.50 % 5.00 % 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	5.357143 %
SF 078740	T 30 N, R 5 W Sec. 29: SW/4, SE/4 NW/4	200.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	TRACT 5 83.00 % 12.50 % 4.50 % 100.00 %	83.00 % 12.50 % 4.50 % 100.00 %	8.928571 %
San Juan 30-5 Mesaverde Well #1-29		320.00				14.285714 %
Sec. 29: W/2						

Sixth Expansion Unit  
San Juan 30-5 Mesaverde

SERIAL NUMBER      DRILLING BLOCK      NUMBER OF ACRES      DRILLING BLOCK AND PERCENTAGE      COMMITTED      PRESENT ACTUAL PARTICIPATION

SF 078738      T 30 N, R 5 W  
Sec. 23: W/2      320.00      TRACT 3  
Working Interest: Pacific Northwest Pipeline Corp. 82.50 %      82.50 %      14.285714 %  
Royalty: 12.50 %      12.50 %  
O.R.R.I.: 5.00 %      5.00 %  
TOTAL 100.00 %      100.00 %

San Juan 30-5  
Mesaverde Well #11-23      Sec. 23: W/2      320.00      TRACT 6  
Working Interest: Pacific Northwest Pipeline Corp. 82.50 %      82.50 %      14.285714 %  
Royalty: 12.50 %      12.50 %  
O.R.R.I.: 5.00 %      5.00 %  
TOTAL 100.00 %      100.00 %

SF 078994      T 30 N, R 5 W  
Sec. 18: W/2      320.00      TRACT 6  
Working Interest: Pacific Northwest Pipeline Corp. 82.50 %      82.50 %      14.285714 %  
Royalty: 12.50 %      12.50 %  
O.R.R.I.: 5.00 %      5.00 %  
TOTAL 100.00 %      100.00 %

San Juan 30-5  
Mesaverde Well #10-18      Sec. 18: W/2      320.00      TRACT 6  
Working Interest: Pacific Northwest Pipeline Corp. 82.50 %      82.50 %      14.285714 %  
Royalty: 12.50 %      12.50 %  
O.R.R.I.: 5.00 %      5.00 %  
TOTAL 100.00 %      100.00 %

SCHEDULE VII  
 SIXTH EXPANDED PARTICIPATING AREA FOR THE MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: DECEMBER 1, 1955

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RECAPITULATION

Description of lands in Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

- Sec. 9: W/2
- Sec. 11: E/2
- Sec. 18: W/2
- Sec. 22: E/2
- Sec. 23: W/2
- Sec. 29: W/2
- Sec. 35: E/2

Total number of Acres in Participating Area:	2,240.00
Percentage of Working Interest Committed:	100.00 %
Percentage of Basic Royalty Interest Committed:	100.00 %
Percentage of O.R.R.I. Committed:	100.00 %



**PACIFIC NORTHWEST PIPELINE CORPORATION**

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

November 17, 1955

*file*

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

Re: (San Juan 30-5 Unit #14-08-001-346  
Rio Arriba County, New Mexico  
FIFTH EXPANDED PARTICIPATING AREA  
FOR THE MESAVERDE FORMATION  
Effective: November 1, 1955

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

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

*See*

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that an additional well capable of producing unitized substances in paying quantities from the Mesaverde Formation has been completed upon acreage committed to this unit, and that the participating area for the Mesaverde Formation is accordingly expanded.

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

SAN JUAN 30-5 MESAVERDE WELL #11-23

LOCATION:	1840' from South line and 800' from West line of Section 23, T 30 N, R 5 W, N.M.P.M.
ELEVATION:	6739.74' (grd.)
SPUD DATE:	September 10, 1955
CASING:	10 3/4" cemented at 184' with 170 sx 7 5/8" cemented at 3785' with 180 sx 5 1/2" cemented at 6020' with 125 sx
TOTAL DEPTH:	6020'

Fifth Expansion - Mesaverde  
San Juan 30-5 Unit

November 17, 1955

DRILLING METHODS: Drilled with air to 793'; drilled with mud from 793' to 7 5/8" casing point; drilled with gas from 7 5/8" casing point to total depth

COMPLETION METHOD: Perforated 5 1/2" casing. Aqua-fraced Cliff House intervals from 5612' to 5666', Menefee intervals from 5690' to 5858' and Point Lookout intervals from 5886' to 5986'

TUBING: 2" hung at 5980'

COMPLETION TEST DATA

DATE: October 28, 1955

SHUT-IN-PERIOD: 12 days

FINAL SHUT-IN-PRESSURES: Tubing 1142 #  
Casing 1147 #

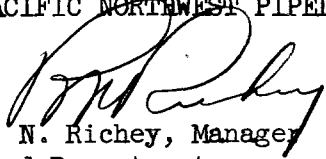
RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW DOWN: 3,541 Mcfgpd.

San Juan 30-5 Mesaverde Well #11-23 is located upon the drilling block described as the W/2 of Section 23, Township 30 North, Range 5 West, N.M.P.M. This drilling block is hereby admitted to the participating area. Attached is Schedule VI showing the Fifth Expanded Participating Area for the Mesaverde Formation of San Juan 30-5 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all Working Interest Owners within San Juan 30-5 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. Richey, Manager  
Land Department

DLA:jce  
Attachment

SCHEDULE VI  
 FIFTH EXPANDED PARTICIPATING AREA FOR THE MESAVARDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: NOVEMBER 1, 1955

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE OWNERSHIP	COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078739	T 30 N, R 5 W Sec. 22: E/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 84.50 % Royalty: 12.50 % O.R.R.I.: 3.00 % TOTAL 100.00 %	84.50 % 12.50 % 3.00 % 100.00 %	16.666667 %
TRACT 4					
San Juan 30-5 Mesaverde Well #1-22	Sec. 22: E/2	320.00		100.00 %	16.666667 %
TRACT 7					
SF 078997	T 30 N, R 5 W Sec. 9: W/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 82.50 % Royalty: 12.50 % O.R.R.I.: 5.00 % TOTAL 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %	16.666667 %
San Juan 30-5 Mesaverde Well #3-9	Sec. 9: W/2	320.00		100.00 %	16.666667 %

Fifth Expansion - Mesaverde  
San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
N. M. 012332	T 30 N, R 5 W Sec. 35: E/2	320.00	<p>Working Interest: Pacific Northwest Pipeline Corp. 83.00 % Royalty: 12.50 % O.R.R.I.: 4.50 % TOTAL 100.00 %</p> <p>TRACT 2</p>	83.00 % 12.50 % 4.50 % 100.00 %	16.666667 %
San Juan 30-5 Mesaverde Well #4-35	Sec. 35: E/2	320.00	<p>TRACT 15</p>	100.00 %	16.666667 %
SF 080538	T 30 N, R 5 W Sec. 11: E/2	320.00	<p>Working Interest: El Paso Natural Gas Company 83.125 % Royalty: 12.500 % O.R.R.I.: 4.375 % TOTAL 100.000 %</p> <p>TRACT 15</p>	83.125 % 12.500 % 4.375 % 100.000 %	16.666666 %
San Juan 30-5 Mesaverde Well #8-11	Sec. 11: E/2	320.00		100.000 %	16.666666 %

Fifth Expansion - Mesaverde  
San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078740	T 30 N, R 5 W Sec. 29: NW/2 NW/4, SW/4 NW/4	120.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	6.250000 %
	<u>TRACT 5</u>				
SF 078740	T 30 N, R 5 W Sec. 29: SW/4, SE/4 NW/4	200.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.: TOTAL	83.00 % 12.50 % 4.50 % 100.00 %	10.416666 %
	<u>TRACT 5</u>				
San Juan 30-5 Mesaverde Well <u>#7-29</u>					
	Sec. 29: W/2	320.00		100.00 %	16.666666 %

Fifth Expansion - Mesaverde  
 San Juan 30-5 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE OWNERSHIP		COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 078738	<u>F 30 N, R 5 W</u> <u>Sec. 23: W/2</u>	320.00	TRACT 3			
			Working Interest:			
			Pacific Northwest Pipeline Corp.	82.50 %	82.50 %	16.666667 %
			Royalty:	12.50 %	12.50 %	
			O.R.R.I.:	5.00 %	5.00 %	
			TOTAL	100.00 %	100.00 %	
San Juan 30-5 Mesaverde Well <u>#11-23</u>	<u>Sec. 23: W/2</u>	<u>320.00</u>			<u>100.00 %</u>	<u>16.666667 %</u>

SCHEDULE VI  
 FIFTH EXPANDED PARTICIPATING AREA FOR THE MESAVERTDE FORMATION  
 SAN JUAN 30-5 UNIT AREA  
 EFFECTIVE: NOVEMBER 1, 1955

---

RECAPITULATION

Description of lands in Participating Area:

Township 30 North, Range 5 West, N.M.P.M.

- Sec. 9: W/2
- Sec. 11: E/2
- Sec. 22: E/2
- Sec. 23: W/2
- Sec. 29: W/2
- Sec. 35: E/2

Total number of Acres in Participating Area: 1,920.00

Percentage of Working Interest Committed: 100.00 %  
 Percentage of Basic Royalty Interest Committed: 100.00 %  
 Percentage of O.R.R.I. Committed: 100.00 %

47

MAIN OFFICE OCC

# PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building 1954 APR 16 AM 8:45  
BARTLESVILLE, OKLAHOMA

April 13, 1954

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

Re: San Juan 30-5 Unit, #14-08-001-346  
Rio Arriba County, New Mexico  
FOURTH REVISION OF MESAVERDE  
PARTICIPATING AREA.  
Effective April 1, 1954

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Phillips Petroleum Company, as Unit Operator, has determined as of March 17, 1954, that a fifth well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to this unit and the Participating Area for the Mesaverde formation is accordingly expanded. The well data upon which this fourth revision is based is as follows:

WELL DESIGNATION: San Juan 30-5 Mesa Well #7-29

LOCATION: 990' from south line and 990' from west line of Section 29-T30N-R5W, N.M.P.M.

ELEVATION: 6262' (D.F.)

SPUD DATE: January 9, 1954

CASING: 9 5/8" cemented at 332' with 225 sx  
7" cemented at 5042' with 200 sx; CP 3269 with 200 sx

TOTAL DEPTH: 5600'

DRILLING METHODS: Conventional to casing point; Mesaverde drilled with gas

SHOT: Interval 5100'-5600' with 1246 quarts S.O.W.E.

TUBING: 1" and 1 1/4" hung 5431', includes perforations 5411'-5431' and one 1/4" hole at 4990'



COMPLETION TEST DATA

DATE: March 17, 1954

SHUT-IN: 31 days

FINAL SHUT-IN Tubing 1023#  
PRESSURES: Casing 1025#

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 925.0 MCFGPD

WORKING PRESSURE: 681# on casing


The Drilling Block upon which this well is located is described as W/2 Section 29-30N-5W and is designated No. 58 upon the attached Unit plat.

Attached are schedules showing lands and leases committed and the ownership thereof, together with schedule of allocation of production from the expanded Participating Area. An index plat designating by number each Drilling Block within the Unit Area and indicating those which have been admitted to the Participating Area is also attached. These attachments are listed as follows:

1. Schedule V - Fourth Revised Mesaverde Participating Area.
2. Exhibit "A" - Schedule of leases and ownerships for fourth Revised Mesaverde Participating Area.
3. Exhibit "B" - Schedule of allocation of production from fourth Revised Mesaverde Participating Area.
4. Exhibit "C" - Index plat showing Drilling Blocks designated by number and effective date of inclusion in Participating Area.

Very truly yours

PHILLIPS PETROLEUM COMPANY  
Unit Operator

By   
R. N. Richey - San Juan Division

Registered

RNR:wg

cc: Manager - Bureau of Land Management  
El Paso Natural Gas Company  
Stanolind Oil and Gas Company  
General American Oil Company of Texas  
Skelly Oil Company

Messrs: P. T. McGrath	R. E. Parr	P. B. Cordry	W. M. Freeman
A. M. Rippel	R. L. Powell	T. E. Smiley (2)	Val Reese
R. B. Stewart	R. L. Puslifer (3)	S. E. Redman	R. B. Edmundson
L. E. Fitzjarrald	E. R. Holt	E. A. Humphrey (3)	
D. E. Fryhofer	D. M. McBride	M. A. Tippie	
G. L. Sneed	F. D. Smythe (2)	J. W. Mims	
H. E. Koopman	G. P. Bunn	G. E. Benskin	

SCHEDULE V  
FOURTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 30-5 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE APRIL 1, 1954

New Mexico Principal Meridian

Township 30 North, Range 5 West

Sec. 9: W/2 ✓  
Sec. 11: E/2 ✓  
Sec. 22: E/2 ✓  
Sec. 29: W/2 ✓  
Sec. 35: E/2 ✓

The working interest under leases on the above described lands which have been committed to the Unit is vested:

Phillips Petroleum Company	80.000%
El Paso Natural Gas Company	20.000%*

\*Upon reimbursement of development cost this interest will be owned:

Gas Rights:  
El Paso Natural Gas Company 75.00%  
Joe Quinn & J. R. Abercrombie 25.00%

Royalties are payable on production from these lands to the Government under the provisions of Federal leases:

NM 012332  
SF 078997  
SF 078739  
SF 080538  
SF 078740

The United States of America owns one-eighth (1/8) royalty interest in the above Federal leases:

Attached find: (1) A schedule, marked Exhibit "A", showing leases included in the fourth revised participating area.

(2) A schedule, marked Exhibit "B", a recap of committed acreage in the fourth revised participating area.

EXHIBIT "A"  
 FOURTH REVISION MESAVERDE PARTICIPATING AREA  
 SAN JUAN 30-5 UNIT  
 RIO ARRIBA COUNTY, NEW MEXICO  
 EFFECTIVE APRIL 1, 1954

Tract #4 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078739  
 Lease Description: T 30N, R 5W  
                           Sec. 22: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 20.0000%  
 Overriding Royalties: 3.00%\*\* .6000%  
 Royalty: U.S.A. 12.50% 2.5000%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 16.9000%  
 San Juan 30-5 Mesa Well #1-22

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078997  
 Lease Description: T 30N, R 5W  
                           Sec. 9: W/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 20.0000%  
 Overriding Royalties: 5.00%\*\* 1.0000%  
 Royalty: U.S.A. 12.50% 2.5000%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 16.5000%  
 San Juan 30-5 Mesa Well #3-9

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012332  
 Lease Description: T 30N, R 5W  
                           Sec. 35: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 20.0000%  
 Overriding Royalties: 4.5%\*\* .9000%  
 Royalty: U.S.A. 12.5% 2.5000%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 16.6000%  
 San Juan 30-5 Mesa Well #4-35

Tract #15 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
 Serial Number: Santa Fe 080538  
 Lease Description: T 30N, R 5W  
                           Sec. 11: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 20.0000%  
 Overriding Royalties: 4.375% .8750%  
 Royalty: U.S.A. 12.500% 2.5000%  
 Operating Rights:  
     El Paso Natural Gas Company 100.00%\* 16.6250%  
 San Juan 30-5 Mesa Well #8-11

\*Upon reimbursement of development cost this interest will be owned:  
 El Paso Natural Gas Company 75.00%  
 Joe Quinn & J. R. Abercrombie 25.00%

(continued)

(continued)

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078740  
 Lease Description: T 30N, R 5W  
                           Sec. 29: N/2 NW/4, SW/4 NW/4  
 Amount of Acreage: 120.00 Acres  
 Percentage of Participation: 7.5000%  
 Overriding Royalties: 5.00%\*\* .3750%  
 Royalty: U.S.A. 12.50% .9375%  
 Operating Rights:  
     Phillips Petroleum Company 100% 6.1875%  
 San Juan 30-5 Mesa Well #7-29

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078740  
 Lease Description: T 30N, R 5W  
                           Sec. 29: SE/4 NW/4, SW/4  
 Amount of Acreage: 200:00 Acres  
 Percentage of Participation 12.5000%  
 Overriding Royalties: 4.5%\*\* .5625%  
 Royalty: U.S.A. 12.5% 1.5625%  
 Operating Rights:  
     Phillips Petroleum Company 100% 10.3750%  
 San Juan 30-5 Mesa Well #7-29

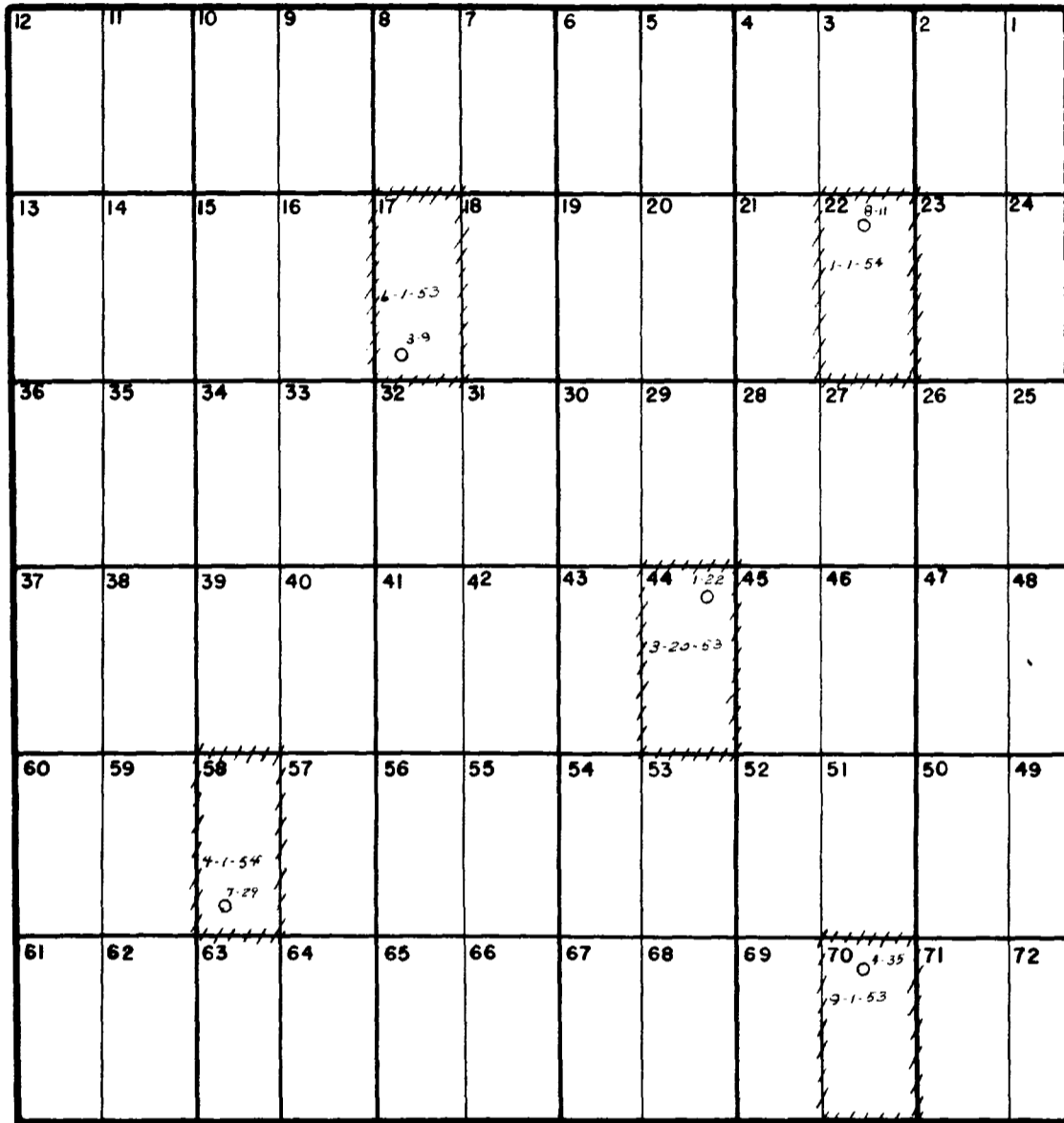
EXHIBIT "B"  
FOURTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 30-5 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE APRIL 1, 1954

Tract No.	FOURTH REVISION PARTICIPATING AREA		WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER
	Area Acres	Committed Acres	Tract Participation	% of Production	% of Production	% of Production	% of Production		
2	320.00	320.00	20.0000%	83.0000%	12.5%	2.5000%	4.5000%	.9000%	Phillips Petroleum Company
4	320.00	320.00	20.0000%	84.5000%	12.5%	2.5000%	3.0000%	.6000%	Phillips Petroleum Company
5	120.00	120.00	7.5000%	82.5000%	12.5%	.9375%	5.0000%	.3750%	Phillips Petroleum Company
5	200.00	200.00	12.5000%	83.0000%	12.5%	1.5625%	4.5000%	.5625%	Phillips Petroleum Company
7	320.00	320.00	20.0000%	82.5000%	12.5%	2.5000%	5.0000%	1.0000%	Phillips Petroleum Company
15	320.00	320.00	20.0000%	83.1250%	12.5%	2.5000%	4.3750%	.8750%	El Paso Natural Gas Company*
TOTAL	<u>1,600.00</u>	<u>1,600.00</u>	<u>100.0000%</u>			<u>12.5000%</u>		<u>4.3125%</u>	

<u>TOTAL COMMITTED</u>		<u>TOTAL NET PERCENTAGE OF PARTICIPATION</u>	
Federal Lands	Acres	Percentage	
	1,600.00	100%	66.5625%
			16.6250%
			12.5000%
			4.3125%
			<u>100.0000%</u>

\* Upon reimbursement of development cost this interest will be owned:  
 El Paso Natural Gas Company 75.00%  
 Joe Quinn & J. R. Abercrombie 25.00%

\*\* Total override previously committed by members of original Exhibit "B" to Unit Agreement as approved by Acting Director of United States Geological Survey on November 7, 1952.



R. 5 W.  
 EXHIBIT "C"  
 UNIT DRILLING BLOCKS  
 MESAVERDE PARTICIPATING AREA  
 SAN JUAN UNIT 30-5  
 RIO ARRIBA CO., NEW MEXICO  
 Scale = 1" = 1 Mile

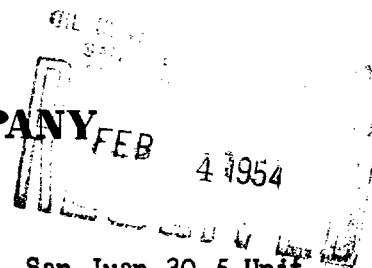
Participating Area

Drilling Blocks Added To Participating  
 Area By This Revision

Effective Date Of Inclusion Is Shown On Each  
 Drilling Block Admitted To Participating Area.

**PHILLIPS PETROLEUM COMPANY**

10th Floor W. W. - Phillips Building  
BARTLESVILLE, OKLAHOMA  
February 2, 1954



Re: San Juan 30-5 Unit  
Unit #14-08-001-346  
Rio Arriba County  
New Mexico  
Automatic Elimination Date

Regional Supervisor  
United States Geological Survey  
Department of the Interior  
P. O. Box 6721  
Roswell, New Mexico

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

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

Gentlemen:

This is to advise that the date of first sale of unitized substances from San Juan 30-5 Unit was May 20, 1953 from the #3-9 well. Therefore, pursuant to Section 22 of the Unit Agreement, any lease, no portion of which is included within a participating area by May 20, 1950, shall be automatically eliminated from this agreement and shall no longer be a part of the Unit Area, unless drilling operations are in progress on said lease on May 20, 1960, in which case said lease shall remain subject to the agreement while drilling operations are diligently continued and so long thereafter as any portion of said lease is included in a participating area.

This is for your information and file.

Yours very truly

PHILLIPS PETROLEUM COMPANY  
Unit Operator

By R. A. Wolgast  
R. A. Wolgast - San Juan Division

RW:wg  
cc: See attached

San Juan 30-5 Unit

February 2, 1954

Copies of the foregoing letter have been sent to the following:

Manager - Bureau of Land Management  
Mr. P. T. McGrath  
El Paso Natural Gas Company  
Stanolind Oil & Gas Company  
General American Oil Company of Texas  
Skelly Oil Company



01  
FEB

**PHILLIPS PETROLEUM COMPANY**

10th Floor W. W. - Phillips Building  
BARTLESVILLE, OKLAHOMA

February 3, 1954

Re: San Juan 30-5 Unit  
Unit #14-08-001-346  
Rio Arriba County  
New Mexico  
Automatic Elimination Date

Regional Supervisor  
United States Geological Survey  
Department of the Interior  
P. O. Box 6721  
Roswell, New Mexico

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

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

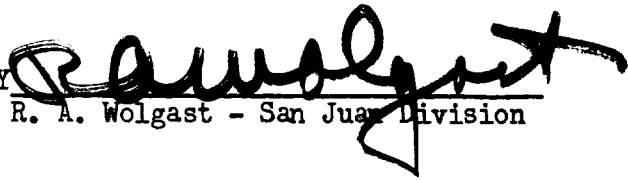
Gentlemen:

By letter of February 2, 1954 this office advised of the automatic elimination date for above captioned Unit. It was stated in said letter that "any lease, no portion of which is included within a participating area by May 20, 1950, shall be automatically eliminated from this agreement and shall no longer be a part of the Unit Area,". Please correct your letter to read "any lease, no portion of which is included within a participating area by May 20, 1960, shall be automatically eliminated from this agreement and shall no longer be a part of the Unit Area,".

This is for your information and file.

Yours very truly

PHILLIPS PETROLEUM COMPANY  
Unit Operator

BY   
R. A. Wolgast - San Juan Division

RW:wg  
cc: See attached

*file*  
*117*

San Juan 30-5 Unit

February 3, 1954

Copies of the foregoing letter have been sent to the following:

Manager - Bureau of Land Management  
Mr. P. T. McGrath  
El Paso Natural Gas Company  
Stanolind Oil & Gas Company  
General American Oil Company of Texas  
Skelly Oil Company

JAN 28 1954

**PHILLIPS PETROLEUM COMPANY**

10th Floor West Wing - Phillips Building

BARTLESVILLE, OKLAHOMA

January 22, 1954

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

Re: San Juan 30-5 Unit, #14-08-001-346  
 Rio Arriba County, New Mexico  
SECOND AND THIRD REVISIONS OF  
MESAVERDE PARTICIPATING AREA  
 Effective September 1, 1953, and  
 January 1, 1954, respectively.

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, approved November 7, 1952, Phillips Petroleum Company, as Unit Operator, has determined as of August 21, 1953, that a third well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon acreage committed to this unit and the participating area for the Mesaverde formation is accordingly expanded.

Also, pursuant to said Section 11 (a) of said Unit Agreement, Phillips Petroleum Company as Unit Operator, has determined as of December 30, 1953, the fourth well capable of producing unitized substances in paying quantities in the Mesaverde formation has been completed upon acreage committed to this unit and the participating area for the Mesaverde formation is accordingly expanded.

The well data upon which the third expansion is based is as follows:

WELL DESIGNATION: San Juan 30-5 Mesa Well #4-35

LOCATION: 990' from north line and 1500' from east line of  
 Section 35-30N-5W, N.M.P.M.

ELEVATION: 6935' (DF)

SPUD DATE: June 5, 1953

CASING: 10 3/4" cemented at 174' with 195 sx  
 7" cemented at 5690' with 450 sx  
 696' of 5 1/2" perforated liner landed at 6350'

TOTAL DEPTH: 6350'

DRILLING METHODS: Conventional to casing point; Mesaverde drilled with gas

SHOT: Interval 5770'-6350' with 1880 quarts of SNG

TUBING: 1" hung at 6270'

COMPLETION TEST DATA

DATE: August 21, 1953

SHUT-IN PERIOD: 12 days

FINAL SHUT-IN Tubing 964#  
PRESSURES: Casing 959#

RATE BY PITOT TUBE  
AFTER 3 HOUR OPEN  
BLOW DOWN: 1,250 MCFGPD through casing

WORKING PRESSURE: 19# on tubing.

The one-half section Drilling Block upon which this well is located is described as the E/2 of Section 35-30N-5W, N.M.P.M., Rio Arriba County, New Mexico.

The well data upon which the fourth expansion is based is as follows:

WELL DESIGNATION: San Juan 30-5 Mesa Well #8-11

LOCATION: 1100' from north line and 1500' from east line of  
Section 11-30N-5W, N.M.P.M.

ELEVATION: 6705' (DF)

SPUD DATE: October 8, 1953

CASING: 9 5/8" cemented at 160' with 200 sx  
7" cemented at 5830' with 400 sx

TOTAL DEPTH: 6113'

DRILLING METHODS: Conventional to casing point; Mesaverde drilled with gas

SHOT: Interval 5881'-6113' with 950 quarts

TUBING: 2" hung at 6082'

COMPLETION TEST DATA

DATE: December 30, 1953

SHUT-IN PERIOD: 35 days

FINAL SHUT-IN Tubing 1092#  
PRESSURES: Casing 1089#

January 22, 1954

RATE BY PITOT TUBE  
AFTER 3 HOUR OPEN  
BLOW DOWN: 517 MCFGPD through tubing

WORKING PRESSURE: 85# on casing

The one-half section Drilling Block upon which this well is located is described as the E/2 of Section 11-30N-5W, N.M.P.M., Rio Arriba County, New Mexico.

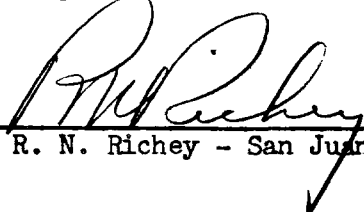
Attached are the following schedules showing lands and leases committed and the ownership thereof, together with schedule of allocation of production from the expanded participating areas:

1. Schedule III - Second expanded Mesaverde participating area.
2. Exhibit "A" - Schedule of leases and ownership for second expanded Mesaverde participating area.
3. Exhibit "B" - Schedule of allocation of production from second expanded Mesaverde participating area, effective September 1, 1953.
4. Schedule IV - Third expanded Mesaverde participating area.
5. Exhibit "A" - Schedule of leases and ownership for third expanded Mesaverde participating area.
6. Exhibit "B" - Schedule of allocation of production from third expanded Mesaverde participating area, effective January 1, 1954.

Yours very truly

PHILLIPS PETROLEUM COMPANY  
Unit Operator

By

  
R. N. Richey - San Juan Division

Registered  
RNR:pw

cc: Manager - Bureau of Land Management  
El Paso Natural Gas Company  
Stanolind Oil and Gas Company  
General American Oil Company of Texas  
Skelly Oil Company

Messrs: P. T. McGrath  
A. M. Rippel  
R. B. Stewart  
L. E. Fitzjarrald  
E. M. Gorence  
G. L. Sneed  
H. E. Koopman  
R. E. Parr  
R. L. Powell

R. L. Pulsifer (3)  
E. R. Holt  
D. M. McBride  
F. D. Smythe (2)  
G. P. Bunn  
P. B. Cordry  
T. E. Smiley (2)  
S. E. Redman  
E. A. Humphrey (3)

M. A. Tippie  
J. W. Mims  
G. E. Benskin  
W. M. Freeman  
Val Reese  
R. A. Wolgast

SCHEDULE III  
SECOND EXPANDED MESAVERDE PARTICIPATING AREA  
SAN JUAN 30-5 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE SEPTEMBER 1, 1953

New Mexico Principal Meridian

Township 30 North, Range 5 West

Sec. 9: W/2  
Sec. 22: E/2  
Sec. 35: E/2

The working interest under leases on the above described lands which have been committed to the Unit is vested:

Phillips Petroleum Company                      100.00%

Royalties are payable on production from these lands to the Government under the provisions of Federal leases:

NM 012332  
SF 078739  
SF 078997

The United States of America owns one-eighth (1/8) royalty interest in the above federal leases.

Attached find: (1) A schedule, marked Exhibit "A", showing leases included in the second expanded participating area.

(2) A schedule, marked Exhibit "B", a recap of committed acreage in the second expanded participating area.

EXHIBIT "A"  
 SECOND EXPANDED MESAVERDE PARTICIPATING AREA  
 SAN JUAN 30-5 UNIT  
 RIO ARriba COUNTY, NEW MEXICO  
 EFFECTIVE SEPTEMBER 1, 1953

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012332  
 Lease Description: T 30N - R 5W  
                             Sec. 35: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 33.333333%  
 Overriding Royalties: 4.5% 1.499999%  
 Royalty: U.S.A. 12.5% 4.166667%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 27.666667%  
 San Juan 30-5 Mesa Well #4-35

Tract #4 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078739  
 Lease Description: T 30N, R 5W  
                             Sec. 22: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 33.333333%  
 Overriding Royalties: 3.0% .999999%  
 Royalty: U.S.A. 12.5% 4.166667%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 28.166667%  
 San Juan 30-5 Mesa Well #1-22

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078997  
 Lease Description: T 30N, R 5W  
                             Sec. 9: W/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 33.333334%  
 Overriding Royalties: 5.0% 1.666667%  
 Royalty: U.S.A. 12.5% 4.166666%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 27.500001%  
 San Juan 30-5 Mesa Well #3-9

EXHIBIT "B"  
 SECOND EXPANDED MESAVEDE PARTICIPATING AREA  
 SAN JUAN 30-5 UNIT  
 RIO ARRIBA COUNTY, NEW MEXICO  
 EFFECTIVE SEPTEMBER 1, 1953

Tract No.	SECOND EXPANDED PARTICIPATING AREA		WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER
	Area Acres	Committed Acres	Participation %	Production % of	Participation %	Production % of	Participation %	Production % of	
2	320.00	320.00	33.333333%	27.666667%	12.5%	4.166667%	4.5%	1.499999%	Phillips Petroleum Company
4	320.00	320.00	33.333333%	28.166667%	12.5%	4.166667%	3.0%	.999999%	Phillips Petroleum Company
7	320.00	320.00	33.333334%	27.500001%	12.5%	4.166666%	5.0%	1.666667%	Phillips Petroleum Company
TOTAL	960.00	960.00	100.000000%	83.333335%		12.500000%		4.166665%	

TOTAL COMMITTED		TOTAL NET PERCENTAGE OF PARTICIPATION	
Federal Lands	Acres	Percentage	
	960.00	100.00%	Phillips Petroleum Company 83.333335%
			Royalty Owners 12.500000%
			Overriding Royalty Owners 4.166665%
			<u>100.000000%</u>



SCHEDULE IV  
THIRD EXPANDED MESAVERDE PARTICIPATING AREA  
SAN JUAN 30-5 UNIT  
RIO ARRIBA COUNTY, NEW MEXICO  
EFFECTIVE JANUARY 1, 1954

New Mexico Principal Meridian

Township 30 North, Range 5 West

Sec. 9: W/2  
Sec. 11: E/2  
Sec. 22: E/2  
Sec. 35: E/2

The working interest under leases on the above described lands which have been committed to the Unit is vested:

Phillips Petroleum Company	75.000%
El Paso Natural Gas Company	25.000%*

\*Upon reimbursement of development cost this interest will be owned:

<u>Gas Rights:</u>	
El Paso Natural Gas Company	75.00%
Joe Quinn & J. R. Abercrombie	25.00%

Royalties are payable on production from these lands to the Government under the provisions of Federal leases:

NM 012332  
SF 078997  
SF 078739  
SF 080538

The United States of America owns one-eighth (1/8) royalty interest in the above Federal leases:

Attached find: (1) A schedule, marked Exhibit "A", showing leases included in the third expanded participating area.

(2) A schedule, marked Exhibit "B", a recap of committed acreage in the third expanded participating area.

EXHIBIT "A"  
 THIRD EXPANDED MESAVERDE PARTICIPATING AREA  
 SAN JUAN 30-5 UNIT  
 RIO ARriba COUNTY, NEW MEXICO  
 EFFECTIVE JANUARY 1, 1954

Tract #4 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078739  
 Lease Description: T 30N, R 5W  
                             Sec. 22: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 25.000000%  
 Overriding Royalties: 3.00% .750000%  
 Royalty: U.S.A. 12.50% 3.125000%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 21.125000%  
 San Juan 30-5 Mesa Well #1-22

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078997  
 Lease Description: T 30N, R 5W  
                             Sec. 9: W/2  
 Amount of Acreage: 320.00  
 Percentage of Participation: 25.000000%  
 Overriding Royalties: 5.00% 1.250000%  
 Royalty: U.S.A. 12.50% 3.125000%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 20.625000%  
 San Juan 30-5 Mesa Well #3-9

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012332  
 Lease Description: T 30N, R 5W  
                             Sec. 35: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 25.000000%  
 Overriding Royalties: 4.5% 1.125000%  
 Royalty: U.S.A. 12.5% 3.125000%  
 Operating Rights:  
     Phillips Petroleum Company 100.00% 20.750000%  
 San Juan 30-5 Mesa Well #4-35

Tract #15 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
 Serial Number: Santa Fe 080538  
 Lease Description: T 30N, R 5W  
                             Sec. 11: E/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 25.000000%  
 Overriding Royalties: 4.375% 1.093750%  
 Royalty: U.S.A. 12.500% 3.125000%  
 Operating Rights:  
     El Paso Natural Gas Company 100.00%\* 20.781250%  
 San Juan 30-5 Mesa Well #8-11

\*Upon reimbursement of development cost this interest will be owned:  
     El Paso Natural Gas Company 75.00%  
     Joe Quinn & J. R. Abercrombie 25.00%

EXHIBIT "B"  
 THIRD EXPANDED MESAVERDE PARTICIPATING AREA  
 SAN JUAN 30-5 UNIT  
 RIO ARriba COUNTY, NEW MEXICO  
 EFFECTIVE JANUARY 1, 1954

Tract No.	Area Acres	Committed Acres	Tract Participation	WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER
				%	% of Production	%	% of Production	%	% of Production	
2	320.00	320.00	25.0000%	83.0000%	20.750000%	12.5%	3.125%	4.500%	1.125000%	Phillips Petroleum Company
4	320.00	320.00	25.0000%	84.5000%	21.125000%	12.5%	3.125%	3.000%	.750000%	Phillips Petroleum Company
7	320.00	320.00	25.0000%	82.5000%	20.625000%	12.5%	3.125%	5.000%	1.250000%	Phillips Petroleum Company
15	320.00	320.00	25.0000%	83.1250%	20.781250%	12.5%	3.125%	4.375%	1.093750%	El Paso Natural Gas Company*
TOTAL	1,280.00	1,280.00	100.0000%		83.281250%		12.500%		4.218750%	

TOTAL COMMITTED  
 Federal Lands      Acres      Percentage  
    1,280.00      100.00%

TOTAL NET PERCENTAGE OF PARTICIPATION  
 Phillips Petroleum Company      62.500000%  
 El Paso Natural Gas Company\*      20.781250%\*  
 Royalty Owners      12.500000%  
 Overriding Royalty Owners      4.218750%  
    100.000000%

\*Upon reimbursement of development cost the ownership will be:  
 El Paso Natural Gas Company      75.00%  
 Joe Quinn & J. R. Abercrombie      25.00%

45  
103m

MAY 25 1953

**PHILLIPS PETROLEUM COMPANY**

10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

May 22, 1953

Re: San Juan 30-5 Unit  
No. 14-08-001-346  
Rio Arriba County, New Mexico

NOTICE OF COMPLETION OF SECOND  
MESAVERDE WELL AND FIRST REVISION  
OF PARTICIPATING AREA - EFFECTIVE  
JUNE 1, 1953, FOR MESAVERDE FORMATION

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

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

Oil Conservation Commission of COPY FOR  
the State of New Mexico  
Capital Annex Building  
Santa Fe, New Mexico

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 30-5 Unit Agreement, No. 14-08-001-346, approved November 7, 1952, Phillips Petroleum Company, as Unit Operator, determines that a second well capable of producing unitized substances in paying quantities from the Mesaverde formation has been completed upon committed acreage to this unit and the Participating Area for the Mesaverde formation is accordingly expanded.

The well is Phillips Petroleum Company's San Juan Unit 30-5 Mesa Well No. 3-9 located 990' from the south line and 900' from the west line of Section 9, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico. The well was spudded on March 21, 1953, and drilled to a total depth of 5861'. The pay section of the Mesaverde formation between 5250' and 5838' was shot with 1887 quarts of nitroglycerin. On May 19, 1953, after 346 hour shut-in period, SITP was 967 psig and SICP was 963 psig and following three hour blow down the well was gauged with pitot tube for a potential of 1400 MCFGPD. As soon as connections are made the well will be used to supplement supply of gas for a small system used in furnishing fuel for our operations in the area.

The committed leasehold (SF 078997) of one-half section Drilling Block upon which this well is located is described as the W/2 of Section 9-30N-5W, N.M.P.M., Rio Arriba County, New Mexico.

May 22, 1953

Attached to schedule with this letter are:

1. Exhibit "A" - First revision of Participating Area for Mesaverde formation covering E/2 Section 22 and W/2 Section 9, both in T30N-R5W, N.M.P.M., Rio Arriba County, New Mexico, effective June 1, 1953, showing schedule of ownership and allocation of production.
2. Exhibit "B" - Recapitulation of expanded Mesaverde Participating Area.

Yours very truly

PHILLIPS PETROLEUM COMPANY  
Unit Operator

By   
R. F. Rood - San Juan Division

Registered

RFR:pw

cc: Manager - Bureau of Land Management  
El Paso Natural Gas Company  
General American Oil Company of Texas  
Stanolind Oil and Gas Company (Tulsa & Ft. Worth)  
Skelly Oil Company

Messrs. P. T. McGrath  
D. C. Hemsell  
A. M. Rippel  
R. B. Stewart  
L. E. Fitzjarrald  
E. M. Gorence  
H. E. Koopman  
R. E. Parr  
R. L. Powell  
R. L. Pulsifer (3)  
E. R. Holt  
D. M. McBride  
F. D. Smythe (2)  
G. P. Bunn  
P. B. Cordry  
T. E. Smiley (2)  
S. E. Redman  
M. A. Tippie  
J. W. Mims  
G. E. Benskin  
W. M. Freeman  
O. I. Jones  
G. L. Sneed  
Val Reese  
E. A. Humphrey (3)

SCHEDULE II  
FIRST REVISION OF PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 30-5 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE JUNE 1, 1953

New Mexico Principal Meridian

Township 30 North, Range 5 West

Section 22: E $\frac{1}{2}$

Section 9 : W $\frac{1}{2}$

The working interest under leases on the above described lands which have been committed to the Unit is vested:

Phillips Petroleum Company 100.00%

Royalties are payable on production from these lands to the Government under the provisions of Santa Fe leases:

078739

078997

The United States of America owns one-eighth (1/8) royalty interest in the above federal leases.

Attached find: (1) A schedule, marked Exhibit "A", showing leases included in the participating area. (2) A schedule, marked Exhibit "B", a recap of committed acreage in the participating area.

SCHEDULE II  
 EXHIBIT "A"  
 FIRST REVISION OF PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT  
 RIO ARriba COUNTY, NEW MEXICO  
 EFFECTIVE JUNE 1, 1953

Tract #4 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078739  
 Lease Description: Township 30 North, Range 5 West  
                           Section 22: E $\frac{1}{2}$   
 Amount of Acreage: 320.00 acres  
 Percentage of Participation: 50.000000%  
 Overriding Royalties:  
     Milton Thomas & E. M. Thomas           .500000%           .250000%  
 Royalty U.S.A.                                   12.500000%           6.250000%  
 Operating Rights:  
     Phillips Petroleum Company           100.000000%           43.500000%

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078997  
 Lease Description: Township 30 North, Range 5 West  
                           Section 9: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 acres  
 Percentage of Participation: 50.000000%  
 Overriding Royalties:  
     E. K. Hatheway et al                   5.000000%           2.500000%  
 Royalty U.S.A.                                   12.500000%           6.250000%  
 Operating Rights:  
     Phillips Petroleum Company           100.000000%           41.250000%

**SCHEDULE II**  
**EXHIBIT "B"**  
**FIRST REVISION OF MESAVERDE PARTICIPATING AREA**  
**SAN JUAN 30-5 UNIT**  
**RIO ARriba COUNTY, NEW MEXICO**  
**EFFECTIVE JUNE 1, 1953**

FIRST REVISED PARTICIPATING AREA		WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION				
Tract No.	Area Acres	Committed Acres	%	% of W.I. Participation	% of Production	% of Production	% of Production	W.I. OWNER		
4	320.00	320.00	87.000000%	50.000000%	43.500000%	12.500000%	6.250000%	.500000%	.250000%	Phillips Petroleum Company
7	320.00	320.00	82.500000%	50.000000%	41.250000%	12.500000%	6.250000%	5.000000%	2.500000%	Phillips Petroleum Company
<b>TOTALS</b>	<b>640.00</b>	<b>640.00</b>		<b>100.000000%</b>	<b>84.750000%</b>	<b>12.500000%</b>		<b>2.750000%</b>		

**TOTALS COMMITTED:**  
 Acres                      640.00  
 Federal Lands              640.00  
 Percentage                  100.000000%

**TOTAL NET PERCENTAGE OF PARTICIPATION:**  
 Phillips Petroleum Company:      84.750000%  
 Royalty Owners:                    12.500000%  
 Overriding Royalty Owners:      2.750000%  
100.000000%



APR 23 1953

**PHILLIPS PETROLEUM COMPANY**10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

April 21, 1953

Re: San Juan 30-5 Unit  
Rio Arriba County, New MexicoRegional Supervisor  
United States Geological Survey  
Department of the Interior  
Post Office Building  
Roswell, New MexicoCommissioner of Public Lands of  
the State of New Mexico  
Capital Annex Building  
Santa Fe, New MexicoOil Conservation Commission of **COPY FOR**  
the State of New Mexico  
Capital Annex Building  
Santa Fe, New Mexico

Case 417

Gentlemen:

Pursuant to Section 11 of the San Juan 30-5 Unit Agreement, No. 14-08-001-346, effective on November 7, 1952, Phillips Petroleum Company as Unit Operator gave notice of discovery on this unit by letter dated March 23, 1953, sent registered mail and latest receiving date from the parties receiving the notice, as indicated on said letter, was March 25, 1953. Accordingly the fifteen day period has passed and the thirty day period will have passed April 24, 1953.

The well is the Phillips Petroleum Company's San Juan 30-5 Mesa Well No. 1-22 located in the NE/4 of Section 22, Township 30 North, Range 5 West, N.M.P.M., Rio Arriba County, New Mexico, which made a potential of 802 MCFGPD from the Mesaverde formation following 3 hour blow down gauged with pitot tube on March 20, 1953. The 320 acre Drilling Block described as the E/2 of Section 22 this township (SF 078739), upon which this well is located, is fully committed to the San Juan 30-5 Unit.

Attached are the following schedule showing leases committed and the ownership thereof together with schedule of allocation on this initial participating area for the Mesaverde formations:

1. Schedule I - Initial participating area for Mesaverde formation.
2. Exhibit "A" - Schedule of lease and ownership.
3. Exhibit "B" - Allocation of production effective as of the date of first production.

April 21, 1953

For the record will you kindly date and sign in the appropriate place on the extra copy of this letter herewith furnished and return after April 24, 1953.

Yours very truly

PHILLIPS PETROLEUM COMPANY  
Unit Operator

By *R. F. Rood*  
R. F. Rood  
San Juan Division

RFR:pw

cc: Manager - Bureau of Land  
Management

- El Paso Natural Gas Company
- General American Oil Company of Texas
- Stanolind Oil and Gas Company
- Skelly Oil Company
- Messrs. D. C. Hemsell
  - A. M. Rippel
  - L. E. Fitzjarrald
  - R. B. Stewart
  - G. E. Benskin
  - G. L. Knight
  - O. I. Jones
  - E. M. Gorence
  - G. L. Sneed
  - H. E. Koopman
  - R. E. Parr
  - R. L. Powell (1)
  - R. L. Pulsifer (3)
  - E. R. Holt
  - D. M. McBride
  - F. D. Smythe (2)
  - G. P. Bunn
  - P. B. Cordry
  - T. E. Smiley (2)
  - S. E. Redman
- Val Reese
  - E. A. Humphrey (3)
  - M. A. Tippie
  - J. W. Mims

Approved: \_\_\_\_\_

Subject to like approval by the appropriate State officials, effective date of first production, pursuant to the pertinent provisions of Sec. 11 of Unit Agreement.

\_\_\_\_\_  
Director - United States Geological Survey

Approved: \_\_\_\_\_

Subject to like approval by the United States Geological Survey and Oil Conservation Commission effective date of first production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

\_\_\_\_\_  
Commissioner of Public Lands of the State of New Mexico

Approved: \_\_\_\_\_

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

\_\_\_\_\_  
Oil Conservation Commission of the State of New Mexico

SCHEDULE I  
INITIAL PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 30-5 UNIT  
RIO ARriba COUNTY, NEW MEXICO

New Mexico Principal Meridian

Township 30 North, Range 5 West  
Section 22: E $\frac{1}{2}$

The working interest under leases on the above described lands which have been committed to the Unit is vested:

Phillips Petroleum Company                      100.00%

Royalties are payable on production from these lands to the Government under the provisions of Santa Fe lease:

078739

The United States of America owns one-eighth (1/8) royalty interest in the above federal lease.

Attached find: (1) A schedule, marked Exhibit "A", showing leases included in the participating area. (2) A schedule, marked Exhibit "B", a recap of committed acreage in the participating area.

EXHIBIT "A"  
 INITIAL PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 30-5 UNIT  
 RIO ARriba COUNTY, NEW MEXICO

Tract #4

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078739  
 Lease Description: Township 30 North, Range 5 West  
                           Section 22: E $\frac{1}{2}$   
 Amount of Acreage: 320.00 acres  
 Percentage of Participation: 100.000000%  
 Overriding Royalties:  
     Milton Thomas & E. M. Thomas           .500000%           .500000%  
 Royalty U.S.A.                               12.500000%       12.500000%  
 Operating Rights:  
     Phillips Petroleum Company           100.000000%       87.000000%

EXHIBIT "B"  
 INITIAL MESAVERDE PARTICIPATING AREA  
 SAN JUAN 30-5 UNIT  
 RIO ARRIBA COUNTY, NEW MEXICO

INITIAL PARTICIPATING AREA		WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION			
Tract No.	Area Acres	Committed Acres	%	% of W.I. Participation	%	% of Production	% of Production	W. I. OWNER	
4	320.00	320.00	87.000000%	100.000000%	87.000000%	12.500000%	12.500000%	.500000%	Phillips Petroleum Company
TOTALS	320.00	320.00		100.000000%	87.000000%	12.500000%		.500000%	

TOTALS COMMITTED:  
 Acres  
 Federal Lands 320.00  
 Percentage  
 100.000000%

TOTAL NET PERCENTAGE OF PARTICIPATION:  
 Phillips Petroleum Company: 87.000000%  
 Royalty Owners: 12.500000%  
 Overriding Royalty Owners: .500000%  
100.000000%