

# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 7-0211 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

February 7, 1956

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

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 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 the participating area for the Mesaverde Formation is accordingly expanded.

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

## SAN JUAN 29-6 MESAVERDE WELL #51-31

LOCATION:	920' from South line and 1500' from West line of Section 31, T 29 N, R 6 W, N.M.P.M.
ELEVATION:	6,584.6' (grd.)
SPUD DATE:	December 5, 1955
CASING:	9 5/8" cemented at 199' with 75 sx 7" cemented at 3674' with 150 sx 5" cemented at 6012' with 150 sx
TOTAL DEPTH:	6017'

Re: San Juan 29-6 Unit #14-08-001-439  
Rio Arriba County, New Mexico  
SIXTEENTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION  
Effective: February 1, 1956

*file*

February 7, 1956

DRILLING METHODS:

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

COMPLETION METHOD:

Perforated 5" casing and acqua-fraced  
(water only) Lower Point Lookout  
intervals from 5930' to 5992' and  
Upper Point Lookout intervals from  
5872' to 5914'.

TUBING:

2" hung at 5981'

COMPLETION TEST DATA

DATE:

January 13, 1956

SHUT-IN-PERIOD:

7 days

FINAL SHUT-IN-PRESSURES:

Tubing 1049 #  
Casing 1072 #

RATE BY PITOT TUBE AFTER  
3 HOUR BLOW DOWN:

5,960 Mcfgpd.

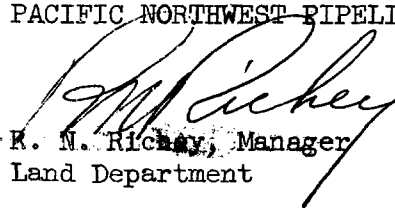
San Juan 29-6 Mesaverde Well #51-31 is located upon the drilling block described as the W/2 of Section 31, Township 29 North, Range 6 West. This drilling block is hereby admitted to the participating area. In addition, an intervening drilling block described as the E/2 of Section 31, Township 29 North, Range 6 West is created by the completion of San Juan 29-6 Mesaverde Well #51-31 and the previous completion of San Juan 29-6 Mesaverde Well #16-32 located upon the drilling block described as the W/2 of Section 32, Township 29 North, Range 6 West. This intervening drilling block is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Section 11 of San Juan 29-6 Unit Agreement.

Attached is Schedule XVII showing the Sixteenth Expanded Participating Area for the Mesaverde Formation of San Juan 29-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and Schedule are being sent to all working interest owners within San Juan 29-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. Richey, Manager  
Land Department

DIA:jce  
Attachment

SCHEDULE XVII  
PARTICIPATING AREA FOR THE MESAVARDE FORMATION  
SAN JUAN 29-6 UNIT AREA  
EFFECTIVE: FEBRUARY 1, 1956

<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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TRACT 1	
<u>TRACT 1</u>	
N.M. 012698	
T 29 N, R 6 W	
Sec. 1: Lots 7, 8, 12, 13	
5/2 NW/4, W/2 SW/4	319.54
and that part of	
Tract 37 in W/2	
Sec. 1	
Working Interest:	
Pacific Northwest Pipeline Corp.	83.50 %
Royalty:	12.50 %
O.R.R.I.:	4.00 %
TOTAL	<u>100.00 %</u>
	<u>100.00 %</u>
3.640901 %	

San Juan 29-6			
Mesa Well #8-1			
Sec. 1: W/2			
<u>319.54</u>			
	100.00	%	3.640901 %

		<u>TRACT 1</u>	
		Working Interest:	
		Pacific Northwest Pipeline Corp.	83.50 %
		Royalty:	12.50 %
		O.R.R.I.:	4.00 %
		<u>TOTAL</u>	<u>100.00 %</u>
			3.536074 %

		<u>TRACT 20</u>	
Fee	T 29 N, R 6 W		
	Sec. 11:		
	That part Tract	9.66	
	42 lying in the		
	NW/4 NW/4 Sec. 11		
	Working Interest:		
	Pacific Northwest Pipeline Corp.	83.50 %	0.110068 %
	Royalty:	12.50 %	
	O.R.R.I.:	4.00 %	
	TOTAL	<u>100.00 %</u>	<u>100.00 %</u>

Free

No Well

Sec. 11: W/2

320.00

100.00%

3.646742%

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 2					
SF 078278	T 29 N, R 6 W	97.54	Working Interest:		1.111390 %
	Sec. 3: Lots 13, 14, 15, 16		Pacific Northwest Pipeline Corp. 83.50 %	83.50 %	
			Royalty: 12.50 %	12.50 %	
			O.R.R.I.: 4.00 %	4.00 %	
			TOTAL 100.00 %	100.00 %	
TRACT 19					
Fee	T 29 N, R 6 W	158.72	Working Interest:		1.808486 %
	Sec. 3: Lots 5, 6, 11, 12 and That part of Tract #38 lying in E/2 Sec. 3		Pacific Northwest Pipeline Corp. 83.50 %	83.50 %	
			Royalty: 12.50 %	12.50 %	
			O.R.R.I.: 4.00 %	4.00 %	
			TOTAL 100.00 %	100.00 %	
TRACT 20					
Fee	T 29 N, R 6 W	62.46	Working Interest:		0.711681 %
	Sec. 3: That part of Tract #42 lying in the SE/4 Sec. 3		Pacific Northwest Pipeline Corp. 83.50 %	83.50 %	
			Royalty: 12.50 %	12.50 %	
			O.R.R.I.: 4.00 %	4.00 %	
			TOTAL 100.00 %	100.00 %	
San Juan 29-6 Mesa Well #1-3					
	Sec. 3: E/2	318.72		100.00 %	
					3.631557 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK PERCENTAGE	COMMITTED PARTICIPATION	PRESENT ACTUAL PARTICIPATION
SF 078278	T 29 N, R 6 W Sec. 14: 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 %	3.646142 %
San Juan 29-6 Mesa Well #2-14	Sec. 14: W/2	320.00			100.00 %	3.646142 %
SF 078426	T 29 N, R 6 W Sec. 17: SW/4, S/2 NW/4, NW/4 NW/4	280.00	Working Interest: Southern Union Gas Company: Royalty: O.R.R.I.	83.50 % 12.50 % 4.00 % TOTAL 100.00 %	83.50 % 12.50 % 4.00 % TOTAL 100.00 %	3.190374 %
				TRACT 5		
SF 078960	T 29 N, R 6 W Sec. 17: NE/4 NW/4	40.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.	83.50 % 12.50 % 4.00 % TOTAL 100.00 %	83.50 % 12.50 % 4.00 % TOTAL 100.00 %	0.455768 %
				TRACT 6		
San Juan 29-6 Mesa Well #4-17	Sec. 17: W/2	320.00			100.00 %	3.646142 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT AC PARTICIPAT</u>
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TRACT 5

SF 078426	<u>T 29 N, R 6 W</u> <u>Sec. 30: W/2</u>	320.00	Working Interest: Southern Union Gas Company Royalty: O.R.R.I.:  TOTAL	83.50 % 12.50 % 4.00 % <u>100.00 %</u>	83.50 % 12.50 % 4.00 % <u>100.00 %</u>	3.646142 %
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San Juan 29-6 <u>Mesa Well #5-30</u>	<u>Sec. 30: W/2</u>	<u>320.00</u>		<u>100.00 %</u>	<u>3.646142 %</u>
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TRACT 7

N.M. 012671	<u>T 29 N, R 6 W</u> <u>Sec. 25: W/2</u>	320.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:  TOTAL	83.00 % 12.50 % 4.50 % <u>100.00 %</u>	83.00 % 12.50 % 4.50 % <u>100.00 %</u>	3.646142 %
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San Juan 29-6 <u>Mesa Well #3-25</u>	<u>Sec. 25: W/2</u>	<u>320.00</u>		<u>100.00 %</u>	<u>3.646142 %</u>
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Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER		DRILLING BLOCK		NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE		COMMITTED	PRESENT ACTUAL PARTICIPATION
SF 080146		T 29 N, R 6 W Sec. 34: W/2		320.00	TRACT 8			
		Working Interest:						
		Anderson Prichard Oil Company			42.50 %		42.50 %	3.646142 %
		Johnston Oil and Gas Company			28.34 %		28.34 %	
		William G. Johnston Estate			14.16 %		14.16 %	
		Royalty:			12.50 %		12.50 %	
		O.R.R.I.:			2.50 %		2.50 %	
		TOTAL			100.00 %		100.00 %	
San Juan 29-6 Mesa Well #7-34		Sec. 34: W/2		320.00	TRACT 11 a			
		Working Interest:						
		El Paso Natural Gas Company			41.25 %		41.25 %	3.634178 %
		Tom Bolack			41.25 %		41.25 %	
		Royalty:			12.50 %		12.50 %	
		O.R.R.I.:			5.00 %		5.00 %	
		TOTAL			100.00 %		100.00 %	
SF 080379		T 29 N, R 6 W Sec. 6: E/2		318.95				
Bolack #1-A		Sec. 6: E/2		318.95			100.00 %	3.634178 %

Sixteenth Expansion - Mesaverde  
 San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 11 a					
SF 080379	T 29 N, R 6 W Sec. 6: W/2	319.65	Working Interest: El Paso Natural Gas Company Tom Bolack Royalty: O.R.R.I.:  TOTAL	41.25 % 41.25 % 12.50 % 5.00 % <u>100.00 %</u>	41.25 % 41.25 % 12.50 % 5.00 % <u>100.00 %</u>
					3.642154 %
TRACT 11 a					
Bolack #2-A	Sec. 6: W/2	319.65		100.00 %	3.642154 %
TRACT 11 a					
SF 080379	T 29 N, R 6 W Sec. 7: E/2	320.00	Working Interest: El Paso Natural Gas Company Tom Bolack Royalty: O.R.R.I.:  TOTAL	41.25 % 41.25 % 12.50 % 5.00 % <u>100.00 %</u>	41.25 % 41.25 % 12.50 % 5.00 % <u>100.00 %</u>
					3.646142 %
TRACT 11 a					
Bolack #3-A	Sec. 7: E/2	320.00		100.00 %	3.646142 %



Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION	
SF 080379	T 29 N, R 6 W Sec. 7: E/2 W/2	160.00	TRACT 11 a  Working Interest: El Paso Natural Gas Company Tom Bolack Royalty: O.R.R.I.:  TOTAL	41.25 % 41.25 % 12.50 % 5.00 % <u>100.00 %</u>	41.25 % 41.25 % 12.50 % 5.00 % <u>100.00 %</u>	1.823071 %
SF 080662	T 29 N, R 6 W Sec. 7: NW/4 NW/4	40.00	TRACT 13  Working Interest: T. H. McElvain 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>	0.455768 %
N.M. 03471	T 29 N, R 6 W Sec. 7: NW/4 SW/4	40.00	TRACT 15 b  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>	0.455768 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	COMMITTED	PRESERVE PARTIAL
San Juan 29-6 Mesaverde Well #11-7	T 29 N, R 6 W Sec. 7: SW/4 NW/4 SW/4 SW/4	80.00	TRACT 22 a		
			Working Interest:		
			Aztec Oil and Gas Company		
			Royalty:		
O.R.R.I.:			TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	82.50 % 12.50 % 5.00 % 100.00 %
				100.00 %	3.646142 %
N.M. 03040	T 29 N, R 6 W Sec. 21: W/2	320.00	TRACT 14		
			Working Interest:		
			El Paso Natural Gas Company		
			Royalty:		
O.R.R.I.:			TOTAL	65.625 % 12.500 % 21.875 % 100.000 %	65.625 % 12.500 % 21.875 % 100.000 %
				100.000 %	3.646142 %
San Juan 29-6 Mesaverde Well #6-21	T 29 N, R 6 W Sec. 21: W/2	320.00	TRACT 14		
			Working Interest:		
			El Paso Natural Gas Company		
			Royalty:		
O.R.R.I.:			TOTAL	65.625 % 12.500 % 21.875 % 100.000 %	65.625 % 12.500 % 21.875 % 100.000 %
				100.000 %	3.646142 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
E-289-3	<u>T 29 N, R 6 W</u> <u>Sec. 2: SE/4</u>	160.00	<u>TRACT 17</u>		
			Working Interest: Southern Petroleum Exploration, Incorporated	87.50 % <u>12.50 %</u>	1.823071 %
			Royalty:  <u>TOTAL</u>	<u>100.00 %</u>	
E-289-35	<u>T 29 N, R 6 W</u> <u>Sec. 2: Lots 5 and 6</u> <u>SE/4 NE/4</u>	119.23	<u>TRACT 14 a</u>		
			Working Interest: Pacific Northwest Pipeline Corp.	82.50 % <u>12.50 %</u>	1.358530 %
			Royalty: O.R.R.I.:  <u>TOTAL</u>	<u>100.00 %</u>	
E-289-36	<u>T 29 N, R 6 W</u> <u>Sec. 2: SW/4 NE/4</u>	40.00	<u>TRACT 17 c</u>		
			Working Interest: Pacific Northwest Pipeline Corp.	82.50 % <u>12.50 %</u>	0.455768 %
			Royalty: O.R.R.I.:  <u>TOTAL</u>	<u>100.00 %</u>	
San Juan 29-6 Mesa Well #10-2	<u>Sec. 2: E/2</u>	<u>319.23</u>			
				<u>100.00 %</u>	<u>3.637369 %</u>

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 17					
E-289-3	T 29 N, R 6 W Sec. 36: W/2	320.00	Working Interest: Southern Petroleum Exploration, Incorporated Royalty:  TOTAL	87.50 % 12.50 % 100.00 %	3.646142 %
TRACT 17 c					
San Juan 29-6 Mesa Well #9-36	Sec. 36: W/2	320.00		100.00 %	3.646142 %
TRACT 17 d					
E-289-36	T 29 N, R 6 W Sec. 2: Lots 7, 8 S/2 NW/4 W/2 SW/4	239.13	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:  TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	2.724693 %
TRACT 17 e					
E-289-31	T 29 N, R 6 W Sec. 2: E/2 SW/4	80.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:  TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	0.911535 %
TRACT 17 f					
San Juan Mesa Well #15-2	Sec. 2: W/2	319.13		100.00 %	3.636228 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP PERCENTAGE	COMMITTED	PRESENT AC PARTICIPAT
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E-289-36	T 29 N, R 6 W Sec. 32: SW/4, E/2 NW/4	240.00	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 %	2.734606 %
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TRACT 17 d

E-289-31	T 29 N, R 6 W Sec. 32: W/2 NW/4	80.00	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 %	0.911535 %
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San Juan 29-6 Mesa Well #16-32	Sec. 32: W/2	320.00		100.00 %	3.646141 %
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TRACT 1

N.M. 012698	T 29 N, R 6 W Sec. 1: Lots 5, 6, 9, 10, 11, 14, 15 SW/4 NE/4 & that part Tract #37 in E/2 Sec. 1	232.73	Working Interest: Pacific Northwest Pipeline Corp. 83.50 % Royalty: 12.50 % O.R.R.I.: 4.00 % TOTAL 100.00 %	83.50 % 12.50 % 4.00 % 100.00 %	2.651771 %
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San Juan 29-6 Mesa Well #17-1	Sec. 1: E/2	232.73		100.00 %	2.651771 %
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Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
<u>TRACT 1</u>					
N.M. 012698	T 29 N, R 6 W Sec. 12: E/2	229.85	Working Interest: Pacific Northwest Pipeline Corp. 83.50 % Royalty: 12.50 % O.R.R.I.: 4.00 % TOTAL 100.00 %	83.50 % 12.50 % 4.00 % 100.00 %	2.618956 %
San Juan 29-6 Mesa Well #22-12	Sec. 12: E/2	229.85		100.00 %	2.618956 %
<u>TRACT 1</u>					
N.M. 012698	T 29 N, R 6 W Sec. 12: W/2	320.00	Working Interest: Pacific Northwest Pipeline Corp. 83.50 % Royalty: 12.50 % O.R.R.I.: 4.00 % TOTAL 100.00 %	83.50 % 12.50 % 4.00 % 100.00 %	3.646142 %
San Juan 29-6 Mesa Well #23-12X	Sec. 12: W/2	320.00		100.00 %	3.646142 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

<u>SERIAL NUMBER</u>	<u>DRILLING BLOCK</u>	<u>NUMBER OF ACRES</u>	<u>DRILLING BLOCK OWNERSHIP AND PERCENTAGE</u>	<u>COMMITTED</u>	<u>PRESENT ACTUAL PARTICIPATION</u>
<u>TRACT 1</u>					
N.M. 012698	<u>T 29 N, R 6 W</u> <u>Sec. 11: E/2</u>	320.00	Working Interest:		
			Pacific Northwest Pipeline Corp.	83.50 %	3.646142 %
			Royalty:	12.50 %	
			O.R.R.I.:	4.00 %	
			TOTAL	<u>100.00 %</u>	<u>100.00 %</u>
<u>TRACT 11</u>					
San Juan 29-6 <u>Mesa Well #21-11</u>	<u>Sec. 11: E/2</u>	<u>320.00</u>	Working Interest:		
			Pacific Northwest Pipeline Corp.	82.50 %	3.646142 %
			Royalty:	12.50 %	
			O.R.R.I.:	5.00 %	
			TOTAL	<u>100.00 %</u>	<u>100.00 %</u>
<u>TRACT 21</u>					
SF 080379	<u>T 29 N, R 6 W</u> <u>Sec. 21: E/2</u>	320.00	Working Interest:		
			Pacific Northwest Pipeline Corp.	82.50 %	3.646142 %
			Royalty:	12.50 %	
			O.R.R.I.:	5.00 %	
			TOTAL	<u>100.00 %</u>	<u>100.00 %</u>
<u>TRACT 24</u>					
San Juan 29-6 <u>Mesa Well #24-21</u>	<u>Sec. 21: E/2</u>	<u>320.00</u>			
				<u>100.00 %</u>	<u>3.646142 %</u>

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE OWNERSHIP	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 17					
E-289-3	T 29 N, R 6 W Sec. 32: NE/4	160.00	Working Interest: Southern Petroleum Exploration, Inc. Royalty:  TOTAL	87.50 % 12.50 % 100.00 %	1.823071 %
TRACT 17 c					
E-289-36	T 29 N, R 6 W Sec. 32: SE/4	160.00	Working Interest: Pacific Northwest Pipeline Corp. Royalty: O.R.R.I.:  TOTAL	82.50 % 12.50 % 5.00 % 100.00 %	1.823071 %
San Juan 29-6 Mesa Well #25-32	Sec. 32: E/2	320.00		100.00 %	3.646142 %



Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK AND PERCENTAGE OWNERSHIP	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 11					
SF080379	T 29 N, R 6 W Sec. 8: E/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 %	3.646142 %
TRACT 11					
San Juan 29-6 Mesaverde Well #19-8	Sec. 8: E/2	320.00		100.00 %	3.646142 %
TRACT 11					
SF 080379	T 29 N, R 6 W Sec. 8: 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 %	3.646142 %
TRACT 11					
San Juan 29-6 Mesaverde Well #20-8	Sec. 8: W/2	320.00		100.00 %	3.646142 %

Sixteenth Expansion - Mesaverde

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	OWNERSHIP AND PERCENTAGE	TRACT 11	COMMITTED	PRESENT AC PARTICIPAT
SF 080379	T 29 N, R 6 W Sec. 5: Lots 7, 8 S/2 NW/4, SW/4	318.60	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>	3.630190 %
San Juan 29-6 Mesaverde Well #18-5	Sec. 5: W/2	318.60			100.00 %	3.630190 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT ACTUAL PARTICIPATION
TRACT 5					
SF 078426	T 29 N, R 6 W Sec. 31: NW/4	160.00	Working Interest: Southern Union Gas Company Royalty: O.R.R.I.:  TOTAL	83.50 % 12.50 % 4.00 % <u>100.00 %</u>	83.50 % 12.50 % 4.00 % <u>100.00 %</u>
					1.823071 %
TRACT 14 a					
NM 03040	T 29 N, R 6 W Sec. 31: SW/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>
					1.823071 %
San Juan 29-5 Mesaverde Well #51-31					
Sec. 31: W/2		320.00			100.00 %
					3.646142 %

Sixteenth Expansion - Mesaverde  
San Juan 29-6 Unit

SERIAL NUMBER	DRILLING BLOCK	NUMBER OF ACRES	DRILLING BLOCK OWNERSHIP AND PERCENTAGE	COMMITTED	PRESENT AC PARTICIPAT	
SSF 078426	T 29 N, R 6 W Sec. 31: NE/4, N/2 SE/4	240.00	TRACT 5		2.734606 %	
			Working Interest:			
			Southern Union Gas Company			
			Royalty:			
			O.R.R.I.:			
TOTAL		83.50 % 12.50 % 4.00 % <u>100.00 %</u>	83.50 % 12.50 % 4.00 % <u>100.00 %</u>			
E-289-36	T 29 N, R 6 W Sec. 31: S/2 SE/4	80.00	TRACT 14 a		0.911535 %	
			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>			
No Well	Sec. 31: E/2	320.00			100.00 %	3.646141 %

SCHEDULE XVII  
SIXTEENTH EXPANDED PARTICIPATING AREA FOR THE MESAVERT DE FORMATION  
SAN JUAN 29-6 UNIT AREA  
EFFECTIVE: FEBRUARY 1, 1956

RECAPITULATION

Description of lands in Participating Area:

Township 29 North, Range 6 West, N.M.P.M.

Sec. 1:	All
Sec. 2:	All
Sec. 3:	Lots 5, 6, 11, 12, 13, 14, 15, 16, that part of Tract #38 lying in the E/2 of Sec. 3, and that part of Tract #42 lying in the SE/4 Sec. 3
Sec. 5:	Lots 7, 8, S/2 NW/4, SW/4
Sec. 6:	All
Sec. 7:	All
Sec. 8:	All
Sec. 11:	All
Sec. 12:	All
Sec. 14:	W/2
Sec. 17:	W/2
Sec. 21:	All
Sec. 25:	W/2
Sec. 30:	W/2
Sec. 31:	All
Sec. 32:	All
Sec. 34:	W/2
Sec. 36:	W/2

Total number of acres in Participating Area: 8,776.40

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

# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

*file*

November 15, 1955

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

Re: (San Juan 29-6 Unit) #14-08-001-439  
Rio Arriba County, New Mexico  
FIFTEENTH 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

*# 419*

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

*John*

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 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 the participating area for the Mesaverde Formation is accordingly expanded.

The well data upon which this Fifteenth expansion is based is as follows:

## SAN JUAN 29-6 MESAVERDE WELL #18-5

LOCATION:	790' from South line and 1025' from West line of Section 5, T 29 N, R 6 W, N.M.P.M.
ELEVATION:	6772.23' (grd.)
SPUD DATE:	June 30, 1955
CASING:	9 5/8" cemented at 267' with 114 sx 7" cemented at 5455' with 260 sx 5" liner cemented at 5954' with 160 sx
TOTAL DEPTH:	6020'

November 15, 1955

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

COMPLETION METHOD: Perforated 5" liner and sand-oil-fraced  
Cliff House intervals from 5464' to 5566',  
Menefee intervals from 5595' to 5880' and  
Point Lookout intervals from 5900' to 5950'  
and Point Lookout open hole interval from  
5954' to 6020'

TUBING: 2" hung at 5953'

COMPLETION TEST DATA

DATE: October 4, 1955

SHUT-IN-PERIOD: 15 days

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

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW DOWN: 12,617 Mcfgpd.

San Juan 29-6 Mesaverde Well #18-5 is located upon the drilling block described as the W/2 of Section 5, Township 29 North, Range 6 West. This drilling block is hereby admitted to the participating area. Attached is Schedule XVI showing the Fifteenth Expanded Participating Area for the Mesaverde Formation of San Juan 29-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

In addition to the above, San Juan 29-6 Mesaverde Well #20-8 was completed upon acreage already included in the Participating Area for the Mesaverde Formation. This well is located upon the drilling block described as the W/2 of Section 8, Township 29 North, Range 6 West which was included as an intervening drilling block in the Fourteenth Expanded Participating Area for the Mesaverde Formation effective October 1, 1955.

The well data for San Juan 29-6 Mesaverde Well #20-8 is as follows:

SAN JUAN 29-6 MESAVERDE WELL #20-8

LOCATION: 1660' from South line and 1850' from  
West line of Section 8, T 29 N,  
R 6 W, N.M.P.M.

ELEVATION: 6761.91' (grd.)

SPUD DATE: July 6, 1955

Fifteenth Expansion - Mesaverde  
San Juan 29-6 Unit

November 15, 1955

CASING: 9 5/8" cemented at 214' with 140 sx  
7" cemented at 5420' with 235 sx  
5" liner cemented at 6004' with 79 sx

TOTAL DEPTH: 6007'

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

COMPLETION METHOD: Perforated 5" liner and aqua-fraced  
Cliff House interval from 5420' to  
5496', Menefee interval from 5522'  
to 5732' and Point Lookout interval  
from 5809' to 5983'

TUBING: 2" hung at 5966'

COMPLETION TEST DATA

DATE: October 9, 1955

SHUT-IN-PERIOD: 7 days

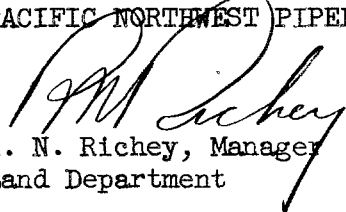
FINAL SHUT-IN-PRESSURES: Tubing 1029 #  
Casing 1029 #

RATE BY PITOT TUBE AFTER  
3 HOUR BLOW DOWN: 11,195 Mcfgpd.

Copies of this letter and Schedule are being sent to all working interest owners within  
San Juan 29-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. Richey, Manager  
Land Department

DLA:jce



# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

November 1, 1955

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

Re: (San Juan 29-6 Unit #14-08-001-439  
Rio Arriba County, New Mexico  
FOURTEENTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION  
Effective: October 1, 1955

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 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 the participating area for the Mesaverde Formation is accordingly expanded. The well data upon which this fourteenth expansion is based is as follows:

## SAN JUAN 29-6 MESA WELL #19-8

LOCATION:	940' from north line and 1825' from east line of Section 8, T 29 N, R 6 W, N.M.P.M.
ELEVATION:	6776.14 (grd.)
SPUD DATE:	June 7, 1955
CASING:	10 3/4" cemented at 204' with 150 sx 7" cemented at 5462' with 340 sx
TOTAL DEPTH:	6024'
DRILLING METHODS:	Drilled with mud to 7" casing point Drilled with gas from 7" casing point to total depth
COMPLETION METHOD:	Cliff House, Menefee and Point Lookout intervals treated with sand-oil-frac.

Fourteenth Expansion - Mesaverde  
San Juan 29-6 Unit #14-08-001-439

TUBING:	2" hung at 5990'
COMPLETION DATE:	September 9, 1955
SHUT-IN-PERIOD:	12 days
FINAL SHUT-IN-PRESSURES:	Tubing 982 # Casing 982 #
RATE BY PITOT TUBE AFTER 3 HOUR BLOW DOWN:	3,990 Mcfgpd.

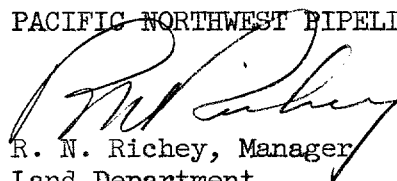
San Juan 29-6 Mesa Well #19-8 is located upon the drilling block described as the E/2 of Sec. 8, T 29 N, R 6 W, N.M.P.M. and is hereby admitted to the participating area. In addition, an intervening drilling block is created described as the W/2 of Sec. 8, T 29 N, R 6 W and is hereby admitted to the Mesaverde participating area in accordance with the provisions of Section 11 of San Juan 29-6 Unit Agreement. This intervening drilling block is created by the completion of Well #19-8 and the prior completion of Mesa Well Bolack #3-A located upon the drilling block described as the E/2 Sec. 7, T 29 N, R 6 W.

Attached is Schedule XV showing the Fourteenth Expanded Participating Area for the Mesaverde Formation of San Juan 29-6 Unit Area. This describes the expanded participating area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and schedule are being sent to all working interest owners within San Juan 29-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. Richey, Manager  
Land Department

DIA:jce

# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

September 22, 1955

Re: (San Juan 29-6 Unit #14-08-001-439  
Rio Arriba County, New Mexico  
THIRTEENTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION  
Effective September 1, 1955.

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

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

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

Gentlemen:

Pursuant to Section 11 (a) of San Juan 29-6 Unit Agreement, approved December 5, 1952, Pacific Northwest Pipeline Corporation, as Unit Operator, has determined that five additional 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 is accordingly expanded. The well data upon which this thirteenth revision is based is as follows:

## SAN JUAN 29-6 MESA WELL #21-11

LOCATION: 990' from north line and 840' from east  
line of Section 11-T29N-R6W, N.M.P.M.

ELEVATION: 6518.91

SPUD DATE: 6-22-55

CASING: 10 3/4" cemented at 210.32' with 151 sx and  
7 5/8" cemented at 3,578.98' with 198 sx and  
5 1/2" cemented at 5,648.42' with 85 sx.

TOTAL DEPTH: 5,812'

DRILLING METHODS: Conventional rotary to total depth; drilled  
with gas below 5 1/2" casing.

COMPLETION METHOD: Perforated Cliff House interval 5,302' to 5,340' and Sand-oil fraced with 20,000 gallons of diesel oil with ratio of one pound sand per gallon. Acidized prior to sand-oil fraced with 500 gallons acid. Perforated four sections of the Menefee interval 5,362' to 5,600' and sand-oil fraced with with 10,000 gallons of diesel oil with ratio of one pound sand per gallon. Sand-oil fraced Point Lookout interval 5,648' to 5,812' with 20,000 gallons of diesel oil with ratio of one pound sand per gallon.

TUBING: 2" set at 5,634.10'

COMPLETION DATE: 8-16-55

SHUT-IN PERIOD: 11 days.

FINAL SHUT-IN Tubing 1034#  
PRESSURES: Casing 1048#

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 6508 Mcfgpd.

SAN JUAN 29-6 MESA WELL #22-12

LOCATION: 805' from the north line and 840'  
from the east line of Section 12  
T29N-R6W, N.M.P.M.

ELEVATION: 6,461.91

SPUD DATE: 7-4-55

CASING: 10 3/4" cemented at 210.60' with 98 sx,  
7 5/8" cemented at 3,508.00' with 188 sx,  
and 5 1/2" cemented at 5589.98' with 100 sx.

TOTAL DEPTH: 5,749.0'

DRILLING METHODS: Conventional rotary to total depth; drilled  
with gas below 5 1/2" casing.

COMPLETION METHOD: Perforated two sections of the Cliff House  
interval 5,248' to 5,326' and sand - oil  
fraced with 1,176 gallons of diesel oil  
with ratio of one pound sand per gallon.  
Sand fraced sanded out. Acidized prior to

sand-oil frac w with 500 gallons acid.  
Re-sand fraced same interval with 20,000  
gallons of diesel oil with ratio of one  
pound sand per gallon. Acidized prior  
to re-frac with 500 gallons acid. Per-  
forated four sections of the Menefee  
interval 5,348' to 5,546' and sand-oil  
fraced with 10,000 gallons diesel oil with  
ratio of one pound sand per gallon. Acid-  
ized with 500 gallons acid prior to frac.  
Sand-oil fraced Point Lookout interval  
5,589' to 5,749' with 20,000 gallons of  
diesel oil with ratio of one pound sand per  
gallon.

TUBING: 2" set at 5,578.90'.

COMPLETION DATE: 8-10-55

SHUT-IN PERIOD: 7 days.

FINAL SHUT-IN Tubing 1060#  
PRESSURES: Casing 1061#

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 9024 Mcfgpd.

SAN JUAN 29-6 MESA WELL #23-12X

LOCATION: 1688' from south line and 1572' from  
west line of Section 12 T29N-R6W N.M.P.M.

ELEVATION: 6,551.0'

SPUD DATE: 7-25-55

CASING: 10 3/4" cemented at 174.65' with 110 sx,  
7 5/8" cemented at 3,605.00' with 115 sx,  
and 5 1/2" cemented at 5,838.51' with  
135 sx.

TOTAL DEPTH: 5,839'

DRILLING METHOD: Conventional rotary to total depth; drilled  
with gas below 5 1/2" casing.

COMPLETION METHOD: Perforated 2 sections of the Cliff House  
interval 5,278' to 5,357' and sand oil  
fraced with 40,000 gallons of diesel oil  
with ratio of 1 1/4 pound sand per gallon.  
Acidized prior to sand-oil fraced with  
500 gallons acid. Perforated five sections

of the Menefee interval 5,382' to 5,578' and sand-oil fraced with 10,000 gallons of diesel oil with ratio of 1½ pound sand per gallon. Acidized prior to sand-oil fraced with 500 gallons of acid. Perforated two sections of the Point Lookout interval 5,658' to 5,796' and sand-oil fraced with 40,620 gallons of diesel oil with ratio of one pound sand per gallon. Acidized prior to sand-oil fraced with 500 gallons acid.

TUBING: 2" set at 5,619.98'

COMPLETION DATE: 8-24-55

SHUT-IN PERIOD: 7 days.

FINAL SHUT-IN Tubing 1074#  
PRESSURES: Casing 1080#;

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 11,202 Mcfgpd.

SAN JUAN 29-6 MESA WELL #24-21

LOCATION: 990' from north line and 990' from east line of Section 21 T29N-R6W, N.M.P.M.

ELEVATION: 6,367.6'

SPUD DATE: 6-16-55

CASING: 9 5/8" cemented at 232.71' with 150 sx,  
7" cemented at 5011.00' with 180 sx.

TOTAL DEPTH: 5,590.0'

DRILLING METHOD: Conventional rotary to bottom of 7" casing;  
~~completion rotary below 7" casing.~~

COMPLETION METHOD: Sand-oil fraced Cliff House interval 5010' to 5119' with 10,000 gallons diesel oil with ratio of one pound sand per gallon. Sand -oil fraced Cliff House and Menefee interval 5010' to 5410' with 13,850 gallons of diesel oil with ratio of one pound sand per gallon for the first 9240 gallons and 2.3 pound sand per gallon on remaining 4610 gallons. Sand-oil fraced Cliff House, Menefee and Point Lookout interval 5010' to 5589' with 20,000 gallons diesel oil with ratio of 2 pounds sand per gallon and re-

frac same interval with 20,000 gallons diesel oil with ratio of one pound sand per gallon and re-frac from 5010' to 5590' with 30,000 gallons of diesel oil with ratio of one pound sand per gallon. Acidized with 500 gallons acid prior to last sand-oil frac.

TUBING: 2" set 5555.65'

COMPLETION DATE: 8-24-55

SHUT-IN PERIOD: 16 days

FINAL SHUT-IN PRESSURES: ~~Tubing~~ 1012#  
Casing 1019#

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 4,308 Mcfgpd.

SAN JUAN 29-6 MESA WELL #25-32

LOCATION: 1050' from the north line and 1850' from the east line of Section 32 T29N-RGW.

ELEVATION: 6391.45'

SPUD DATE: 7-9-55

CASING: 10 3/4" cemented at 243.14 with 99sx,  
7 5/8" cemented at 3,374.00' with 152 sx,  
and 5 1/2" cemented at 5,460.28' with 100 sx.

TOTAL DEPTH: 5,587.0'

DRILLING METHODS: Conventional rotary to drill test; drilled with gas below 5 1/2" casing.

COMPLETION METHOD: Perforated Cliff House interval 5,004' to 5,086' and sand-oil fraced with 20,000 gallons diesel oil with ratio of one pound sand per gallon. Acidized prior to frac with 500 gallons acid. Perforated six sections of the Menefee interval 5,114' to 5,394' and sand-oil fraced with 10,000 gallons diesel oil with ratio of one pound sand per gallon. Acidized prior to sand-oil frac with 500 gallons acid. Perforated Point Lookout interval 5,442' to 5,450' and sand-oil fraced perforations and open hole from 5460' to 5587' with 20,000 gallons diesel oil with ratio of one pound sand per gallon.

TUBING: 2" set at 5,478.34'  
COMPLETION DATE: 8-18-55  
SHUT-IN PERIOD: 7 days.  
FINAL SHUT-IN Tubing 1023#  
PRESSURES: Casing 1027#  
RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 12,722 Mcfgpd.

The drilling blocks upon which these wells are located are described as:

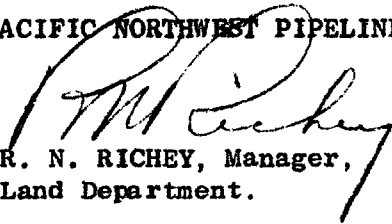
San Juan 29-6 Mesa Well #21-11- E $\frac{1}{2}$  Sec. 11,  
San Juan 29-6 Mesa Well #22-12- E $\frac{1}{2}$  Sec. 12,  
San Juan 29-6 Mesa Well #23-12X - W $\frac{1}{2}$  Sec. 12,  
San Juan 29-6 Mesa Well #24-21 - E $\frac{1}{2}$  Sec. 21,  
San Juan 29-6 Mesa Well #25-32 - E $\frac{1}{2}$  Sec. 32,  
Township 29N Range 6W,

and are hereby admitted to the Participating Area effective as of September 1, 1955. Attached is Schedule No. XIV showing the Thirteenth Expanded Participating area for the Mesaverde formation of San Juan 29-6 Unit Area. This describes the expanded participating area and shows the percentage of the unitized substances allocated to each unitized tract.

Copies of this letter are being sent to all working interest owners in San Juan 29-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. RICHEY, Manager,  
Land Department.

RRR:DNC:gm



# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

August 26, 1955

Re: (San Juan 29-6 Unit) #14-08-001-439  
Rio Arriba County, New Mexico.

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

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

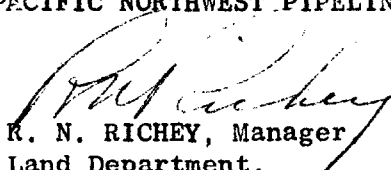
Oil Conservation Commission  
of the State of New Mexico  
Capitol Annex Building  
Santa Fe, New Mexico.

Gentlemen:

Submitted herewith please find correction letter setting out that the W $\frac{1}{2}$  of Sec. 2 was admitted to the Mesaverde Participating Area as of November 1, 1954 and the 15-2 Well was completed upon acreage already admitted to the San Juan 29-6 Participating Area. Please attach this letter to Schedule No. XII forwarded to you by our original letter of July 20, 1955.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. RICHEY, Manager  
Land Department.

DNC:gm

*file  
11th exp. mv p.d.*

WORKING INTEREST OWNERS

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

Johnston Oil and Gas Company  
1453 Esperson Building  
Houston 2, Texas.

Anderson-Prichard Oil Corporation  
Liberty Bank Building  
Oklahoma City, Oklahoma.  
Attention: Dr. R. W. Brauchli

United States Smelting Refining and  
Mining Company  
P. O. Box 1877  
Midland, Texas.  
Attention: Mr. J. B. Newman

Mr. T. H. McElvain  
220 Shelby  
Santa Fe, New Mexico.

Aztec Oil and Gas Company  
920 Mercantile Securities Building  
Dallas, Texas.  
Attention: Mr. H. B. Jester.

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

Wm. T. Payne, Executor of the Estate of  
Wm. G. Johnston  
First National Building  
Oklahoma City, Oklahoma.

Southern Petroleum Exploration, Inc.  
P. O. Box 192  
Sistersville, West Virginia.

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

Mr. Tom Bolack  
1010 N. Duston  
Farmington, New Mexico.

Phillips Petroleum Company  
Phillips Building  
Bartlesville, Oklahoma.

# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

August 25, 1955

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

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

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

Re: San Juan 29-6 Unit #14-08-001  
439, Rio Arriba County, New  
Mexico. CORRECTION LETTER  
FOR ELEVENTH EXPANDED PARTI-  
CIPATING AREA FOR THE MESA-  
VERDE FORMATION. Effective  
July 1, 1955

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 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 the participating area for the Mesaverde Formation is accordingly expanded. The well data upon which this Eleventh Revision is based is as follows:

## SAN JUAN 29-6 MESA WELL #16-32

LOCATION:	900' from south line and 1,650' from west line of Section 32-T29N-R6W, N.M.P.M.
ELEVATION:	6,761.5 (D.F.)
SPUD DATE:	5/18/55
CASING:	10 3/4" cemented at 2,12' with 150 sx 7" cemented at 5,353.0' with 300 sx.
TOTAL DEPTH:	5,935'
DRILLING METHODS:	Conventional rotary to total depth; drilled with gas below 7" casing.
COMPLETION METHOD:	Sand-oil fraced Cliff House interval 5,353'- 5,455' with 10,000 gallons of diesel oil with ratio of one pound sand per gallon. Sand-oil fraced Point Lookout interval 5,761'-5,935' with 3,700 gallons diesel oil with ratio of one pound sand per gallon.

Re: San Juan 29-6 Unit

-2-

August 25, 1955

TUBING: 2" set at 5,890.5'

COMPLETION DATE: 6/21/55

SHUT-IN PERIOD: 9 days

FINAL SHUT-IN Tubing 975#  
PRESSURES: Casing 1032#

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 5,358.5 Mcfgpd.

By the completion of Well #16-32 as a well capable of producing unitized substances in paying quantities from the Mesaverde Formation, the W $\frac{1}{2}$  of Sec. 32 T 29N R 6W is hereby admitted to the Mesaverde Participating Area effective as of July 1, 1955.

In addition to the completion of Well #16-32, Well #15-2 was completed upon acreage already included in the Mesaverde Participating Area by the Ninth Revision of the Mesaverde Participating Area effective as of November 1, 1954. The well data for San Juan 29-6 Mesa Well #15-2 is as follows:

SAN JUAN 29-6 MESA WELL #15-2

LOCATION; 1,657' from south line and 1,650' from the west line of Section 2-T29N-R6W, N.M.P.M.

ELEVATION: 6,445.7' (D.F.)

SPUD DATE: 5/17/55

CASING: 10 3/4" cemented at 261.75' with 150 sx and 7" cemented at 5,213.08' with 425 sx.

TOTAL DEPTH: 5,730'

DRILLING METHODS: Conventional rotary to total depth; drilled with gas below 7" casing.

COMPLETION METHOD: Sand-oil fraced Cliff House interval 5,213'-5,280' with 10,000 gallons of diesel oil with ratio of .9 pound of sand per gallon. Sand-oil fraced Menefee interval 5,400'-5,524' with 840 gallons of diesel oil with ratio of one pound sand per gallon. Sand-oil fraced Point Lookout interval 5,580'-5,730' with 1,260 gallons of diesel oil with ratio of one pound sand per gallon. Sand-oil fraced the entire Mesaverde

Re: San Juan 29-6 Unit

-3-

August 25, 1955

interval from 5,213'-5,730' with 20,000  
gallons of diesel oil with ratio of one  
pound sand per gallon.

TUBING: 2" set at 5,671'

COMPLETION DATE: 6-27-55

SHUT-IN PERIOD: 9 days

FINAL SHUT-IN Tubing 1091 #  
PRESSURES: Casing 1086 #

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 9,090 Mcfgpd.

By the completion of Well #15-2 upon the  $W\frac{1}{2}$  of Sec. 2 T 29N R 6W and the previous completion of Well #2-14 completed upon the  $W\frac{1}{2}$  of Sec. 14 T29N R 6W, an intervening drilling block is created described as the  $W\frac{1}{2}$  of Sec. 11 T 29N R 6W and is hereby admitted to the Mesaverde Participating Area in accordance with the provisions of Sec. 11 of San Juan 29-6 Unit Agreement.

Attached is Schedule No. 12 showing the Eleventh Expanded Mesaverde Participating Area for the Mesaverde Formation of San Juan 29-6 Unit Area. This schedule 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 29-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. RICHEY, Manager,  
Land Department.

DNC:gm

# PACIFIC NORTHWEST PIPELINE CORPORATION

PHONE 3-3547 • SIMMS BUILDING

ALBUQUERQUE, NEW MEXICO

August 10, 1955

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

Re: ( San Juan 29-6 Unit ) #14-08-001-439  
Rio Arriba County, New Mexico  
TWELFTH EXPANDED PARTICIPATING  
AREA FOR THE MESAVERDE FORMATION  
Effective August 1, 1955.

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 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 the participating area for the Mesaverde formation is accordingly expanded. The well data upon which this twelfth revision is based is as follows:

## SAN JUAN 29-6 MESA WELL #17-1

LOCATION: 1190' from north line and 990' from the east  
line of Section 1-T29N-R6W, N.M.P.M.

ELEVATION: 6544.6' (D.F.)

SPUD DATE: 5-29-59

CASING: 10 3/4" cemented at 236.59' with 160 sx and  
7 5/8 " cemented at 3,613.0' with 175 sx, and  
5 1/2 " cemented at 5686.43' with 100 sx.

TOTAL DEPTH: 5,866'

DRILLING METHODS: Conventional rotary to total depth; drilled with  
gas below 5 1/2" casing.

COMPLETION METHOD: Sand-oil fraced Cliff House interval 5,339' to  
5,390' with 10,000 gallons of diesel oil with  
ratio of one pound of sand per gallon. Sand-  
oil fraced at Menefee interval 5,405' to 5,671'  
with 10,000 gallons of diesel oil with ratio

Twelfth Revision- Mesaverde  
San Juan 29-6 Unit

-2-

August 10, 1955

of .8 of sand per gallon and sand fraced  
Point Lookout interval 5,886' to 5,866'  
with 10,000 gallons of diesel oil with  
ratio of one pound sand per gallon.

TUBING: 2" set at 5,867.16'

COMPLETION DATE: 7-11-55

FINAL SHUT-IN Tubing 1085#  
PRESSURES: Casing 1085#

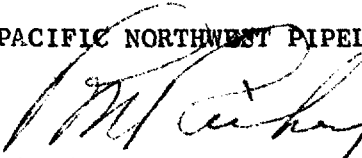
RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 9,793 Mcfgpd.

San Juan 29-6 Mesa Well #17-1 is located upon the drilling block described as the E $\frac{1}{2}$  of Sec. 1 T 29N R 6W N.M.P.M. and is hereby admitted to the Participating Area. Attached is Schedule No. XIII showing the Twelfth Expanded Participating Area for the Mesaverde formation of San Juan 29-6 Unit Area. This describes the Expanded Participating Area and shows the percentage of unitized substances allocated to each unitized tract.

Copies of this letter and schedule are being sent to all Working Interest Owners within San Juan 29-6 Unit.

Very truly yours,

PACIFIC NORTHWEST PIPELINE CORPORATION

  
R. N. RICHEY, Manager,  
Land Department.

DNC:gm

[illegible]

Participating Area

Very truly yours,  
N. Walker

E. S. WALKER  
COMMISSIONER OF PUBLIC LANDS.



**OIL CONSERVATION COMMISSION**

P. O. BOX 871

SANTA FE, NEW MEXICO

January 11, 1955

Phillips Petroleum Company  
10th Floor West Wing  
Phillips Building  
Bartlesville, Oklahoma

*File*

Re: San Juan 29-6 Unit, Rio Arriba  
County, New Mexico.  
Tenth Revision of Mesaverde  
Participating Area

Gentlemen:

This is to advise that the Tenth Revision of the Mesaverde Participating Area of the San Juan 29-6 Unit, dated December 20, 1954, has this date been approved by the New Mexico Oil Conservation Commission, subject to like approval by the United States Geological Survey and by the Commissioner of Public Lands of the State of New Mexico.

Very truly yours,

W. B. Macey  
Secretary - Director

WBM:jh

*WBM*  
cc: U. S. Geological Survey  
Roswell, New Mexico

Commissioner of Public Lands  
Santa Fe, New Mexico

SCHEDULE XI  
TENTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE JANUARY 1, 1955

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 1:  $W\frac{1}{2}$   
Sec. 2: All  
Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38 lying in the  $E\frac{1}{2}$  of Sec. 3, & that part of Tract #42 lying in the  $SE\frac{1}{4}$  Sec. 3  
Sec. 6: All  
Sec. 7: All  
Sec. 14:  $W\frac{1}{2}$   
Sec. 17:  $W\frac{1}{2}$   
Sec. 21:  $W\frac{1}{2}$   
Sec. 25:  $W\frac{1}{2}$   
Sec. 30:  $W\frac{1}{2}$   
Sec. 34:  $W\frac{1}{2}$   
Sec. 36:  $W\frac{1}{2}$

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

Phillips Petroleum Company	38.301058%
El Paso Natural Gas Company	18.337011%
Southern Union Gas Company	14.180788%
Tom Bolack	11.663699%
Southern Petroleum Exploration, Inc.	10.009968%
Anderson-Prichard Oil Corporation	3.336656%
Johnston Oil and Gas Company	2.224437%
Wm. G. Johnston	1.112219%
T. H. McElvain	.834164%

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

Santa Fe 080379  
Santa Fe 078426  
Santa Fe 078960  
Santa Fe 078278  
Santa Fe 080146  
Santa Fe 080662  
New Mexico 012671  
New Mexico 13040  
New Mexico 012698  
New Mexico 03471

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

- Attached find:
- (1) A schedule, marked Exhibit "A", showing leases included in the Tenth revised participating area.
  - (2) A schedule, marked Exhibit "B", a recap of committed acreage in the Tenth revised participating area.
  - (3) An index plat, marked Exhibit "C", showing Drilling Blocks designated by number and effective date of inclusion in participating area.

## EXHIBIT "A"

TENTH REVISED MESAVERDE PARTICIPATING AREA  
 SAN JUAN 29-6 UNIT  
 RIO ARRIBA COUNTY, NEW MEXICO  
 EFFECTIVE JANUARY 1, 1955

Tract #1 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Serial Number: New Mexico 012698

Lease Description: T29N-R6W

Sec. 1: Lots 7,8,12,13, S $\frac{1}{2}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ , part  
 Tract #37 in W $\frac{1}{2}$  Sec. 1

Amount of Acreage: 319.54 Acres

Percentage of Participation:

6.663719%

Overriding Royalty: 4.0%

.266549%

Royalty: U.S.A. 12.5%

.832965%

Operating Rights:

Phillips Petroleum Company 100%

5.564205%

San Juan 29-6 Mesa Well #8-1

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Serial Number: Santa Fe 078278

Lease Description: T29N-R6W

Sec. 3: Lots 13, 14, 15, 16

Amount of Acreage: 97.54 Acres

Percentage of Participation:

2.034109%

Overriding Royalties: 4.0%

.013644%

Royalty: U.S.A. 12.5%

.254264%

Operating Rights:

Phillips Petroleum Company 100%

1.766201%

San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Serial Number: Santa Fe 078278

Lease Description: T29N-R6WSec. 14: W $\frac{1}{2}$ 

Amount of Acreage: 320.00 Acres

Percentage of Participation:

6.673312%

Overriding Royalties: 5.0%

.333666%

Royalty: U.S.A. 12.5%

.834164%

Operating Rights:

Phillips Petroleum Company 100%

5.505482%

San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company

Serial Number: Santa Fe 078426

Lease Description: T29N-R6WSec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30: W $\frac{1}{2}$ 

Amount of Acreage: 600.00 Acres

Percentage of Participation

12.512460%

Overriding Royalties: 4.0%

.500498%

Royalty: U.S.A. 12.5%

1.564057%

Operating Rights:

Southern Union Gas Company 100%

10.447905%

San Juan 29-6 Mesa Well #4-17--280.00 acres

San Juan 29-6 Mesa Well #5-30--320.00 acres

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Serial Number: Santa Fe 078960

Lease Description: T29N-R6WSec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$ 

Amount of Acreage: 40.00 Acres

Percentage of Participation:

.834164%

Overriding Royalties: 4.0%

.033366%

Royalty: U.S.A. 12.5%

.104271%

Operating Rights:

Phillips Petroleum Company 100%

.696527%

San Juan 29-6 Mesa Well #4-17

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Serial Number: New Mexico 012671

Lease Description: T29N-R6WSec. 25: W $\frac{1}{2}$ 

Amount of Acreage: 320.00 Acres

Percentage of Participation:

6.673312%

Overriding Royalties: 4.5%

.300299%

Royalty: U.S.A. 12.5%

.834164%

Operating Rights:

Phillips Petroleum Company 100%

5.538849%

San Juan 29-6 Mesa Well #3-25

Tract #8 in Exhibit "B" of Unit Agreement

Lessee: Anderson-Prichard Oil Corporation 1/2

Johnston Oil and Gas Company 1/3

Wm. G. Johnston Estate 1/6

Serial Number: Santa Fe 080146

Lease Description: T29N-R6WSec. 34: W $\frac{1}{2}$ 

Amount of Acreage: 320.00 Acres

Percentage of Participation:

6.673312%

Overriding Royalties: 2.5%

.166833%

Royalty: U.S.A. 12.5%

.834164%

Operating Rights:

Anderson-Prichard Oil Corporation 100%

5.672315%

San Juan 29-6 Mesa Well #7-34

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack

Serial Number: Santa Fe 080379

Lease Description: T29N-R6W

Sec. 6: All

Sec. 7: E $\frac{1}{2}$ , E $\frac{1}{2}$ W $\frac{1}{2}$ 

Amount of Acreage: 1,118.60 acres

Percentage of Participation:

23.327398%

Overriding Royalties: 5.0%

1.166369%

Royalty: U.S.A. 12.5%

2.915925%

Operating Rights:

El Paso Natural Gas Company 50%

9.622552%

Tom Bolack 50%

9.622552%

Bolack #1-A Well--318.95 Acres

Bolack #2-A Well--319.65 Acres

Bolack #3-A Well--320.00 Acres

San Juan 29-6 Mesa Well #11-7--160.00 Acres

Tract #13 in Exhibit "B" of Unit Agreement

Lessee: T. H. McElvain  
 Serial Number: Santa Fe 080662  
 Lease Description: T29N-R6W  
                     Sec. 7: NW/4 NW/4  
 Amount of Acreage: 40.00 Acres  
 Percentage of Participation: .834164%  
 Overriding Royalties: 5.0% .041708%  
 Royalty U.S.A. 12.5% .104271%  
 Operating Rights:  
     T. H. McElvain 100% .688185%  
 San Juan 29-6 Mesa Well #7-11

Tract #14. in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
 Serial Number: New Mexico 03040  
 Lease Description: T29N-R6W  
                     Sec. 21: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 6.673312%  
 Overriding Royalties: 21.875% 1.459787%  
 Royalty: U.S.A. 12.500% .834164%  
 Operating Rights:  
     El Paso Natural Gas Company 100% 4.379361%  
 San Juan 29-6 Mesa Well #6-21

Tract #15b in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 03471  
 Lease Description: T29N-R6W  
                     Sec. 7: NW/4 SW/4  
 Amount of Acreage: 40.00 Acres  
 Percentage of Participation: .834164%  
 Overriding Royalties: 5.00% .041708%  
 Royalty: U.S.A. 12.50% .104271%  
 Operating Rights:  
     Phillips Petroleum Company 100% .688185%  
 San Juan 29-6 Mesa Well #7-11

Tract #17 in Exhibit "B" of Unit Agreement

Lessee: Southern Petroleum Exploration, Inc.  
 Lease Description: T29N-R6W  
                     Sec. 36: W $\frac{1}{2}$   
                     Sec. 2: SE $\frac{1}{4}$   
 Amount of Acreage: 480.00 Acres  
 Percentage of Participation: 10.009968%  
 Royalty: State of New Mexico 12.5% 1.251246%  
 Operating Rights:  
     Southern Petroleum Exploration, Inc. 100% 8.758722%  
 San Juan 29-6 Mesa Well #9-36---320.00 Acres  
 San Juan 29-6 Mesa Well #10-2---160.00 Acres

Tract #17a in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T29N-R6W  
                     Sec. 2: Lots 5 & 6,  
                                 SE $\frac{1}{4}$  NE $\frac{1}{4}$   
 Amount of Acreage: 119.23 Acres  
 Percentage of Participation: 2.486435%  
 Overriding Royalties: 5.0% .124322%  
 Royalty: State of New Mexico 12.5% .310804%  
 Operating Rights:  
     Phillips Petroleum Company 100% 2.051309%  
 San Juan 29-6 Mesa Well #10-2  
 DNC  
 12/15/54

Tract #17-c in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T29N-R6W  
                             Sec. 2: SW $\frac{1}{4}$  NE $\frac{1}{4}$ , Lots 7 & 8, S $\frac{1}{2}$  NW $\frac{1}{4}$ , W $\frac{1}{2}$  SW $\frac{1}{4}$   
 Amount of Acreage: 279.13 acres  
 Percentage of Participation: 5.821005%  
 Overriding Royalties: 5.0% .291050%  
 Royalty: State of New Mexico 12.5% .727626%  
 Operating Rights:  
             Phillips Petroleum Company 100% 4.802329%  
 San Juan 29-6 Mesa Well #10-2 -- 40.00 Acres  
 Intervening Drilling Block -- 239.13 Acres

Tract #17-d in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T29N-R6W  
                             Sec. 2: E/2 SW/4  
 Amount of Acreage: 80.00 Acres  
 Percentage of Participation: 1.668328%  
 Overriding Royalties: 5.0% .083416%  
 Royalty: State of New Mexico 12.5% .208541%  
 Operating Rights:  
             Phillips Petroleum Company 100% 1.376371%  
 Intervening Drilling Block

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T29N-R6W  
                             Sec. 3: Lots 5, 6, 11, 12 & that part of Tract #38  
   lying in E $\frac{1}{2}$  Sec. 3  
 Amount of Acreage: 158.72 Acres  
 Percentage of Participation: 3.309963%  
 Overriding Royalties: 4.0% .132398%  
 Royalty: Agapita Julianita Gomez y Gomez 12.5% .413745%  
 Operating Rights:  
             Phillips Petroleum Company 100% 2.763820%  
 San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T29N-R6W  
                             Sec. 3: That part of Tract #42  
   lying in the SE $\frac{1}{4}$  Sec. 3  
 Amount of Acreage: 62.46 Acres  
 Percentage of Participation: 1.302547%  
 Overriding Royalties: 4.0% .052102%  
 Royalty: Porter A. Smith & Bessie C. Smith 12.5% .162818%  
 Operating Rights:  
             Phillips Petroleum Company 100% 1.087627%  
 San Juan 29-6 Mesa Well #1-3

Tract #22-a in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company

Lease Description: T29N-R6W

Sec. 7: SW/4 NW/4,  
SW/4 SW/4

Amount of Acreage: 80.00 Acres

Percentage of Participation:

1.668328%

Overriding Royalties: 5.0%

.083416%

Royalty\*: Aldolph Soens & Christine Soens 6.2500%

Charles W. McCarty 3.1250%

Thomas N. Mandry 1.5625%

Total 10.9375%\*

.182473%

Operating Rights:

Southern Union Gas Company 100%

1.402439%

San Juan 29-6 Mesa Well #7-11

\*1.5625% Basic royalty of Forrest B. Miller has not been committed to San Juan 29-6 Unit.

EXHIBIT "B"  
TENTH REVISION MESAVARDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE JANUARY 1, 1954

TENTH REVISED PARTICIPATING AREA				WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		O&E PARTICIPATION		W. I. OWNER
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	%	% of Production	%	% of Production	
1	319.54	319.54	6.663719%	83.500%	5.564205%	12.50%	.832965%	4.000%	.266549%	Phillips Petroleum Company
2	97.54	97.54	2.034109%	83.500%	1.766201%	12.50%	.254264%	4.000%	.013644%	Phillips Petroleum Company
2	320.00	320.00	6.673312%	82.500%	5.505482%	12.50%	.834164%	5.000%	.333666%	Phillips Petroleum Company
5	600.00	600.00	12.512460%	83.500%	10.417905%	12.50%	1.564057%	4.000%	.500498%	Southern Union Gas Company
6	40.00	40.00	.834164%	83.500%	.696727%	12.50%	.104271%	4.000%	.033366%	Phillips Petroleum Company
7	320.00	320.00	6.673312%	83.000%	5.538849%	12.50%	.834164%	4.500%	.300299%	Phillips Petroleum Company
8	320.00	320.00	6.673312%	85.000%	2.836158%	12.50%	.417082%	2.500%	.083416%	Anderson-Prichard Oil Corporation
					1.890771%		.278054%		.055611%	Johnston Oil and Gas Company
					.945386%		.139028%		.027806%	Wm. G. Johnston Estate
11a	1,118.60	1,118.60	23.327398%	82.500%	9.622552%	12.50%	1.457962%	5.000%	.583185%	El Paso Natural Gas Company
					9.622552%		1.457963%		.583184%	Tom Bolack
13	40.00	40.00	.834164%	82.500%	.688185%	12.50%	.104271%	5.000%	.041708%	T. H. McElvain
14	320.00	320.00	6.673312%	65.625%	4.379361%	12.50%	.834164%	21.875%	1.459787%	El Paso Natural Gas Company
15b	40.00	40.00	.834164%	82.500%	.688185%	12.50%	.104271%	5.000%	.041708%	Phillips Petroleum Company
17	480.00	480.00	10.009968%	87.500%	8.758722%	12.50%	1.251246%			Southern Petroleum Expl. Inc.
17a	119.23	119.23	2.486435%	82.500%	2.051309%	12.50%	.310804%	5.000%	.124322%	Phillips Petroleum Company
17c	279.13	279.13	5.821005%	£2.500%	4.802329%	12.50%	.727626%	5.000%	.291050%	Phillips Petroleum Company
17d	80.00	80.00	1.668328%	82.500%	1.376371%	12.50%	.208541%	5.000%	.083416%	Phillips Petroleum Company
19	158.72	158.72	3.309963%	83.500%	2.763820%	12.50%	.413745%	4.000%	.132398%	Phillips Petroleum Company
20	62.46	62.46	1.302547%	83.500%	1.087627%	12.50%	.162818%	4.000%	.052102%	Phillips Petroleum Company
22a	80.00	80.00	1.668328%	85.0625%	1.402439%	10.93757%*	.182473%	5.000%	.083416%	Southern Union Gas Company
TOTAL	4,795.22	4,795.22	100.000000%		82.434936%		12.473933%		5.091131%	

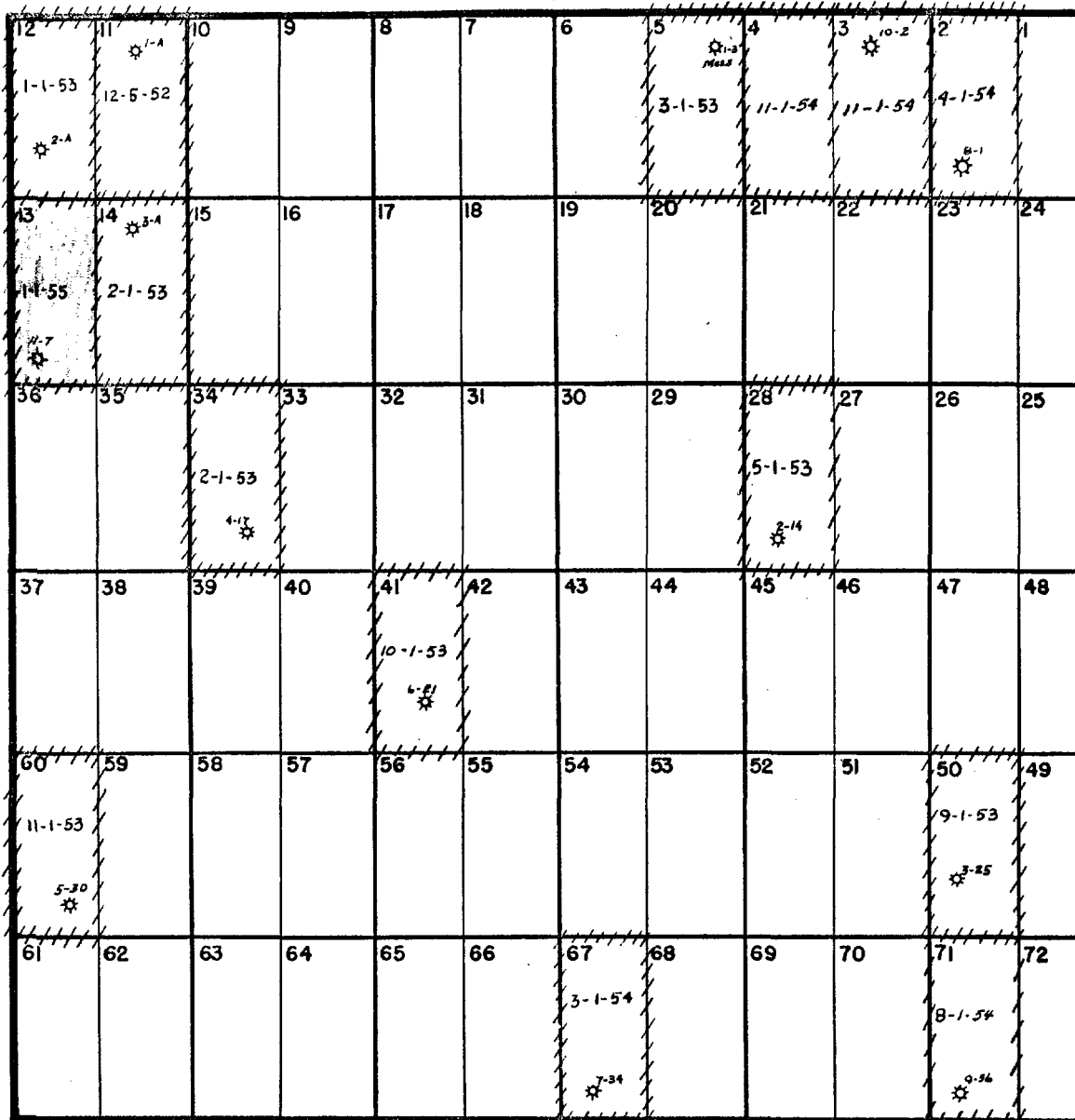
<u>TOTAL COMMITTED</u>		
	<u>Acres</u>	<u>Percentage</u>
Federal Lands	3,535.68	73.733426%
State Lands	958.36	19.985736%
Patent Lands	301.18	6.280838%
TOTAL	4,795.22	100.000000%

TOTAL NET PERCENTAGE OF PARTICIPATION

Phillips Petroleum Company	31.840905%
El Paso Natural Gas Company	14.001913%
Southern Union Gas Company	11.850344%
Tom Bolack	9.622552%
Southern Petroleum Exploration, Inc.	8.758722%
Anderson-Prichard Oil Corporation	2.836158%
Johnston Oil & Gas Company	1.890771%
Wm. G. Johnston Estate	.945386%
T. H. McElvain	.688185%
Royalty Owners	12.473933%
Overriding Royalty Owners	5.091131%

\*1.5625% Basic Royalty of Forrest B. Miller has not been committed to San Juan 29-6 Unit, so therefore Southern Union Gas Company will have to account individually to Mr. Miller for his uncommitted interest.





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EXHIBIT "C"

UNIT DRILLING BLOCKS

10<sup>th</sup> Revision

MESAVERDE PARTICIPATING AREA

SAN JUAN UNIT 29-6

RIO ARRIBA CO., NEW MEXICO

Scale - 1" = 1 Mile

Participating Area



Drilling Blocks Added To Participating  
Area By This Revision



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

**PHILLIPS PETROLEUM COMPANY**

10th Floor West Wing - Phillips Building

BARTLESVILLE, OKLAHOMA

December 20, 1954

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

Re: San Juan 29-6 Unit, #14-08-001-439  
Rio Arriba County, New Mexico  
TENTH REVISION OF MESAVERDE  
PARTICIPATING AREA  
Effective January 1, 1955

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 1952, Phillips Petroleum Company, as Unit Operator, has determined as of December 13, 1954, that a fourteenth 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 Tenth revision is based is as follows:

WELL DESIGNATION: San Juan 29-6 Mesa Well #11-7

LOCATION: 850' from south line and 850' from west line of Section 7,  
Township 29 North, Range 6 West, N.M.P.M.

ELEVATION: 6385' (GR)

SPUD DATE: November 4, 1954

CASING: 9 5/8" cemented at 165' with 125 sx  
7" cemented at 4970' with 500 sx

TOTAL DEPTH: 5590'

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

COMPLETION METHODS: Cliff House and Point Lookout formations individually  
treated with sand-oil frac

TUBING: 2 3/8" hung at 5561'

COMPLETION TEST DATA

DATE: December 6, 1954  
SHUT-IN PERIOD: 12 days  
FINAL SHUT-IN Tubing 1009#  
PRESSURES: Casing 1014#  
RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 3579.2 MCFGPD through tubing  
WORKING PRESSURE: 634# on casing

San Juan Mesa Well #11-7 is located upon the Drilling Block described as the W/2 of Section 7-29N-6W, N.M.P.M., and designated as #13 on the attached plat.

The following Schedules and Exhibits are attached:

1. Schedule XI - Tenth Revised Mesaverde Participating Area.
2. Exhibit "A" - Schedule of leases and ownerships for tenth revision of Mesaverde participating area.
3. Exhibit "B" - Schedule of allocation of production from tenth revised Mesaverde participating area.
4. Exhibit "C" - Index plat showing Drilling Blocks designated by number and showing effective date of inclusion in participating area.

Very truly yours

PHILLIPS PETROLEUM COMPANY  
Unit Operator

BY

  
R. N. RICHEY - San Juan Division

Registered  
RNR:wg  
Attachments

cc: Manager - Bureau of Land Management  
El Paso Natural Gas Company  
Johnston Oil and Gas Company  
Anderson-Prichard Oil Corporation  
United States Smelting, Refining and Mining Company  
Stanolind Oil and Gas Company  
Southern Union Gas Company  
Southern Petroleum Exploration, Inc.

Messrs: P. T. McGrath	M. B. Heine	P. B. Cordry	R. C. Charles
Wm. G. Johnston	R. E. Parr	T. E. Smiley (2)	K. E. Beall
T. H. McElvain	R. L. Powell	S. E. Redman	R. B. Edmundson
A. M. Rippel	R. L. Pulsifer (3)	E. A. Humphrey (2)	F. R. Wheeler
R. B. Stewart	E. R. Holt	M. A. Tippie	
L. E. Fitzjarrald	D. M. McBride	F. R. Burgess	
C. B. McDonald	F. D. Smythe (2)	H. M. Young	
R. D. Wilber	G. P. Bunn	W. M. Freeman	

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

November 17, 1954

Re: San Juan 29-6 Unit, #14-08-001-439  
Rio Arriba County, New Mexico  
NINTH REVISION OF MESAVERDE  
PARTICIPATING AREA  
Effective November 1, 1954

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

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

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

Gentlemen:

On November 3, 1954 Phillips Petroleum Company as Unit Operator circulated the "Ninth Revision of the Mesaverde Participating Area" for the San Juan 29-6 Unit. This notice of revision was predicated on the commitment by Tom Bolack of his royalty and working interest in Tract 11-A as listed on Exhibit "B" to the Unit Agreement.

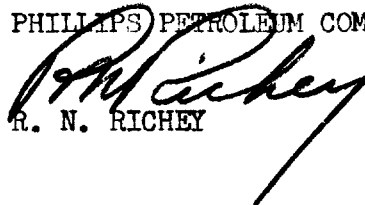
The United States Geological Survey has requested that the effective date for the commitment of the Tom Bolack royalty and working interest be changed to November 1, 1954 in place of October 1, 1954.

The attached Ninth Revision to the Mesaverde Participating Area has consolidated the commitment of the Tom Bolack royalty and working interest in Tract 11-A San Juan 29-6 Unit along with the expansion of the participating area to include the San Juan 29-6 Mesa Well #10-2 into one combined schedule and revision.

Please substitute the attached Ninth Revision to the Mesaverde Participating Area dated November 17, 1954 in place of the Ninth Revision to the Mesaverde Participating Area circulated to you dated November 3, 1954. The schedule dated November 3, 1954 should be disregarded.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

  
R. N. RICHEY

DNC/wr  
Attach.

# PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA  
10 W.W. Phillips Bldg.  
November 17, 1954

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

Re: San Juan 29-6 Unit, #14-08-001-439  
Rio Arriba County, New Mexico  
NINTH REVISION OF MESAVERDE  
PARTICIPATING AREA  
Effective November 1, 1954

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 1952, Phillips Petroleum Company, as Unit Operator, has determined as of October 31, 1954, that a thirteenth 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 Ninth revision is based is as follows:

WELL DESIGNATION: San Juan 29-6 Mesa Well #10-2

LOCATION: 990' from north line and 990' from east line of Section 2,  
Township 29 North, Range 6 West, N.M.P.M.

ELEVATION: 6452' (DF)

SPUD DATE: September 19, 1954

CASING: 13 3/4" cemented at 270', 7" cemented at 5187' with 150 sx-  
cemented through perforations at 3580'

TOTAL DEPTH: 5741'

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

COMPLETION METHODS: Cliff House and Point Lookout formations individually treated  
with sand-oil frac

TUBING: 2 3/8" hung at 5717', including perforations 5655' to 5685'

November 17, 1954

COMPLETION TEST DATA

DATE: October 31, 1954

SHUT-IN PERIOD: 10 days

FINAL SHUT-IN Tubing 1097#  
PRESSURES: Casing 1099#

RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 3175.6 MCFGPD through tubing

WORKING PRESSURE: 554# on casing

San Juan Mesa Well #10-2 is located upon the Drilling Block described as E/2 Section 2-29N-6W, N.M.P.M., and designated as #3 on the attached plat. This Drilling Block is admitted to the Unit participating area by virtue of the completion thereon of a well capable of producing gas in paying quantity. In addition the Drilling Block described as W/2 Section 2-29N-6W, N.M.P.M., and designated #4 on the attached plat is admitted to the Unit participating area as an intervening Drilling Block in accordance with the provisions of Section 11 of San Juan 29-6 Unit Agreement.

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:

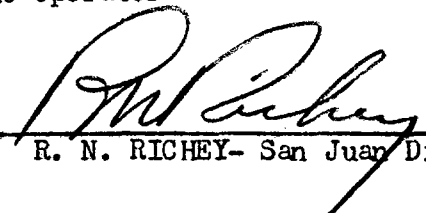
1. Schedule X - Ninth Revised Mesaverde Participating Area.
2. Exhibit "A" - Schedule of leases and ownerships for ninth revision of Mesaverde participating area.
3. Exhibit "B" - Schedule of allocation of production from ninth revised Mesaverde participating area.
4. Exhibit "C" - Index plat showing Drilling Blocks designated by number and showing effective date of inclusion in participating area.

Very truly yours

PHILLIPS PETROLEUM COMPANY  
Unit Operator

Registered  
RNR:wg  
Attach.  
cc: See attached

BY

  
R. N. RICHEY- San Juan Division

November 17, 1954

-3-

VISION  
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s of the foregoing letter have been sent to the following:

Manager - Bureau of Land Management  
El Paso Natural Gas Company  
Johnston Oil and Gas Company  
Anderson-Prichard Oil Corporation  
United States Smelting, Refining and Mining Company  
Stanolind Oil and Gas Company  
Southern Union Gas Company  
Southern Petroleum Exploration, Inc.  
Messrs: P. T. McGrath

Wm. G. Johnston  
T. H. McElvain  
A. M. Rippel  
R. B. Stewart  
L. E. Fitzjarrald  
C. B. McDonald  
R. D. Wilber  
M. B. Heine  
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 (2)  
M. A. Tippie  
F. R. Burgess  
H. M. Young  
W. M. Freeman  
R. C. Charles  
K. E. Beall  
R. B. Edmundson  
F. R. Wheeler

SCHEDULE X  
NINTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1954

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 1:  $W\frac{1}{2}$   
Sec. 2: All  
Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38 lying in the  $E\frac{1}{2}$  of Sec. 3, & that part of Tract #42 lying in the  $SE\frac{1}{4}$  Sec. 3  
Sec. 6: All  
Sec. 7:  $E\frac{1}{2}$   
Sec. 14:  $W\frac{1}{2}$   
Sec. 17:  $W\frac{1}{2}$   
Sec. 21:  $W\frac{1}{2}$   
Sec. 25:  $W\frac{1}{2}$   
Sec. 30:  $W\frac{1}{2}$   
Sec. 34:  $W\frac{1}{2}$   
Sec. 36:  $W\frac{1}{2}$

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

Phillips Petroleum Company	40.145960%
El Paso Natural Gas Company	17.860574%
Southern Union Gas Company	13.407162%
Tom Bolack	10.710088%
Southern Petroleum Exploration, Inc.	10.725730%
Anderson-Prichard Oil Corporation	3.575243%
Johnston Oil and Gas Company	2.383495%
Wm. G. Johnston	1.191748%

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

Santa Fe 080379  
Santa Fe 078426  
Santa Fe 078960  
Santa Fe 078278  
Santa Fe 080146  
New Mexico 012671  
New Mexico 13040  
New Mexico 012698

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

- Attached find:
- (1) A schedule, marked Exhibit "A", showing leases included in the ninth revised participating area.
  - (2) A schedule, marked Exhibit "B", a recap of committed acreage in the ninth revised participating area.
  - (3) An index plat, marked Exhibit "C", showing Drilling Blocks designated by number and effective date of inclusion in participating area.



EXHIBIT "A"  
NINTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1954

Tract #1 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012698  
 Lease Description: T29N-R6W  
                   Sec. 1: Lots 7,8,12,13, S $\frac{1}{2}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ , part  
                                   Tract #37 in W $\frac{1}{2}$  Sec. 1  
 Amount of Acreage: 319.54 Acres  
 Percentage of Participation: 7.140208%  
 Overriding Royalty: 4.0% .285608%  
 Royalty: U.S.A. 12.5% .892526%  
 Operating Rights:  
                   Phillips Petroleum Company 100% 5.962074%  
 San Juan 29-6 Mesa Well #8-1

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078278  
 Lease Description: T29N-R6W  
                   Sec. 3: Lots 13,14,15,16  
 Amount of Acreage: 97.54 Acres  
 Percentage of Participation: 2.179558%  
 Overriding Royalties: 4.0% .087182%  
 Royalty: U.S.A. 12.5% .272445%  
 Operating Rights:  
                   Phillips Petroleum Company 100% 1.819931%  
 San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078278  
 Lease Description: T29N-R6W  
                   Sec. 14: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 7.150486%  
 Overriding Royalties: 5.0% .357524%  
 Royalty: U.S.A. 12.5% .893811%  
 Operating Rights:  
                   Phillips Petroleum Company 100% 5.899151%  
 San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
 Serial Number: Santa Fe 078426  
 Lease Description: T29N-R6W  
                   Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
                   Sec. 30: W $\frac{1}{2}$   
 Amount of Acreage: 600.00 Acres  
 Percentage of Participation: 13.407162%  
 Overriding Royalties: 4.0% .536286%  
 Royalty: U.S.A. 12.5% 1.675895%  
 Operating Rights:  
                   Southern Union Gas Company 100% 11.194981%  
 San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens  
 San Juan 29-6 Mesa Well #5-30

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078960  
 Lease Description: T29N-R6W  
                     Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
 Amount of Acreage: 40.00 Acres  
 Percentage of Participation: .893811%  
 Overriding Royalties: 4.0% .035752%  
 Royalty: U.S.A. 12.5% .111726%  
 Operating Rights:  
     Phillips Petroleum Company 100% .746333%  
 San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012671  
 Lease Description: T29N-R6W  
                     Sec. 25: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 7.150486%  
 Overriding Royalties: 4.5% .321772%  
 Royalty: U.S.A. 12.5% .893811%  
 Operating Rights:  
     Phillips Petroleum Company 100% 5.934903%  
 San Juan 29-6 Mesa Well #3-25

Tract #8 in Exhibit "B" of Unit Agreement

Lessee: Anderson-Prichard Oil Corporation 1/2  
         Johnston Oil and Gas Company 1/3  
         Wm G. Johnston 1/6  
 Serial Number: Santa Fe 080146  
 Lease Description: T29N-R6W  
                     Sec. 34: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 7.150486%  
 Overriding Royalties: 2.5% .178762%  
 Royalty: U.S.A. 12.5% .893811%  
 Operating Rights:  
     Anderson-Prichard Oil Corporation 100% 6.077913%  
 San Juan 29-6 Mesa Well #7-34

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
 Serial Number: Santa Fe 080379  
 Lease Description: T29N-R6W  
                     Sec. 6: A11  
                     Sec. 7: E $\frac{1}{2}$   
 Amount of Acreage: 958.60 Acres  
 Percentage of Participation: 21.420176%  
 Overriding Royalties: 5.0% 1.071010%  
 Royalty: U.S.A. 12.5% 2.677522%  
 Operating Rights:  
     El Paso Natural Gas Company 50% 8.835822%  
     Tom Bolack 50% 8.835822%  
 Bolack #1-A Well  
 Bolack #2-A Well  
 Bolack #3-A Well

Tract #14 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company

Serial Number: New Mexico 03040

Lease Description: T29N-R6W

Sec. 21:  $W\frac{1}{2}$

Amount of Acreage: 320.00 Acres

Percentage of Participation:

7.150486%

Overriding Royalties: 21.875%

1.564169%

Royalty: U.S.A. 12.500%

.893811%

Operating Rights:

El Paso Natural Gas Company 100%\*\*

4.692506%

San Juan Mesa Well #6-21, formerly Turner #1 Lockhart

Tract #17 in Exhibit "B" of Unit Agreement

Lessee: Southern Petroleum Exploration, Inc.

Lease Description: T29N-R6W

Sec. 36:  $W\frac{1}{2}$

Sec. 2:  $SE\frac{1}{4}$

Amount of Acreage: 480.00 Acres

Percentage of Participation

10.725730%

Royalty: State of New Mexico 12.5%

1.340716%

Operating Rights:

Southern Petroleum Exploration, Inc. 100%

9.385014%

San Juan 29-6 Mesa Well #9-36

San Juan 29-6 Mesa Well #10-2

Tract #17a in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T29N-R6W

Sec. 2: Lots 5 & 6,  
 $SW\frac{1}{4}$   $NE\frac{1}{4}$

Amount of Acreage: 119.23 Acres

Percentage of Participation

2.664227%

Overriding Royalties: 5.0%

.133211%

Royalty: State of New Mexico 12.5%

.333028%

Operating Rights:

Phillips Petroleum Company 100%

2.197988%

San Juan 29-6 Mesa Well #10-2

Tract #17-c in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T29N-R6W

Sec. 2:  $SW\frac{1}{4}$   $NE\frac{1}{4}$ , Lots 7 & 8,  $S\frac{1}{2}$   $NW\frac{1}{4}$ ,  $W\frac{1}{2}$   $SW\frac{1}{4}$

Amount of Acreage: 279.13 Acres

Percentage of Participation:

6.237235%

Overriding Royalties: 5.0%

.311862%

Royalty: State of New Mexico 12.5%

.779654%

Operating Rights:

Phillips Petroleum Company 100%

5.145719%

San Juan 29-6 Mesa Well #10-2

Intervening Drilling Block

Tract #17-d in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T29N-R6W

Sec. 2:  $E/2$   $SW/4$

Amount of Acreage: 80.00 Acres

Percentage of Participation:

1.787622%

Overriding Royalties: 5.0%

.089381%

Royalty: State of New Mexico 12.5%

.223453%

Operating Rights:

Phillips Petroleum Company 100%

1.474788%

Intervening Drilling Block

DNC

11/4/54

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T29N-R6W

Sec. 3: Lots 5,6,11,12 & that part of Tract #38  
lying in E $\frac{1}{2}$  Sec. 3.

Amount of Acreage: 158.72 Acres

Percentage of Participation:

Overriding Royalties: 4.0%

Royalty: Agapita Julianita Gomez y Gomez 12.5%

Operating Rights:

Phillips Petroleum Company 100%

San Juan 29-6 Mesa Well #1-3

3.546641

.141866

.443330

2.961445

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T29N-R6W

Sec. 3: That part of Tract #42  
lying in the SE $\frac{1}{4}$  Sec. 3.

Amount of Acreage: 62.46 Acres

Percentage of Participation

Overriding Royalties: 4.0%

Royalty: Porter A. Smith & Bessie C. Smith 12.5%

Operating Rights:

Phillips Petroleum Company 100%

San Juan 29-6 Mesa Well #1-3

1.395686

.055827

.174461

1.165398

EXHIBIT "B"  
NINTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1954

NINTH REVISED PARTICIPATING AREA				WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		M. I. OWNER
Tract No.	Area Acres	Comitted Acres	Tract Participation	% of Production	%	% of Production	%	% of Production		
1	319.54	319.54	7.140208%	5.962074%	12.50%	.892526%	4.000%	.285608%	Phillips Petroleum Company	
2	97.54	97.54	2.179558%	1.819931%	12.50%	.272447%	4.000%	.087182%	Phillips Petroleum Company	
2	320.00	320.00	7.150486%	5.899151%	12.50%	.893811%	5.000%	.357524%	Phillips Petroleum Company	
5	600.00	600.00	13.407162%	11.194981%	12.50%	1.675895%	4.000%	.536286%	Southern Union Gas Company	
6	40.00	40.00	.893811%	.746333%	12.50%	.111726%	4.000%	.035752%	Phillips Petroleum Company	
7	320.00	320.00	7.150486%	5.934903%	12.50%	.893811%	4.500%	.321772%	Phillips Petroleum Company	
8	320.00	320.00	7.150486%	3.038956%	12.50%	.446905%	2.500%	.089381%	Anderson Prichard Oil Corp.	
				2.025971%		.297937%		.059587%	Johnston Oil & Gas Company	
				1.012986%		.148969%		.029794%	Wm. G. Johnston	
11a	958.60	958.60	21.420176%	8.835822%	12.50%	1.338761%	5.000%	.535505%	El Paso Natural Gas Company	
				8.835822%		1.338761%		.535505%	Tom Bolack	
14	320.00	320.00	7.150486%	4.692506%	12.50%	.893811%	1.875%	1.564169%	El Paso Natural Gas Company	
17	480.00	480.00	10.725730%	9.385014%	12.50%	1.340716%	5.000%	.133211%	Southern Petroleum Expl. Inc.	
17a	119.23	119.23	2.664227%	2.197988%	12.50%	.333028%	5.000%	.311862%	Phillips Petroleum Company	
17c	279.13	279.13	6.237235%	5.145719%	12.50%	.779654%	5.000%	.089381%	Phillips Petroleum Company	
17d	80.00	80.00	1.787622%	1.474788%	12.50%	.223453%	4.000%	.141866%	Phillips Petroleum Company	
19	158.72	158.72	3.546641%	2.961445%	12.50%	.443330%	4.000%	.141866%	Phillips Petroleum Company	
20	62.46	62.46	1.395686%	1.165398%	12.50%	.174461%	4.000%	.055827%	Phillips Petroleum Company	
TOTAL	4,475.22	4,475.22	100.000000%	82.329788%		12.500000%		5.170212%		

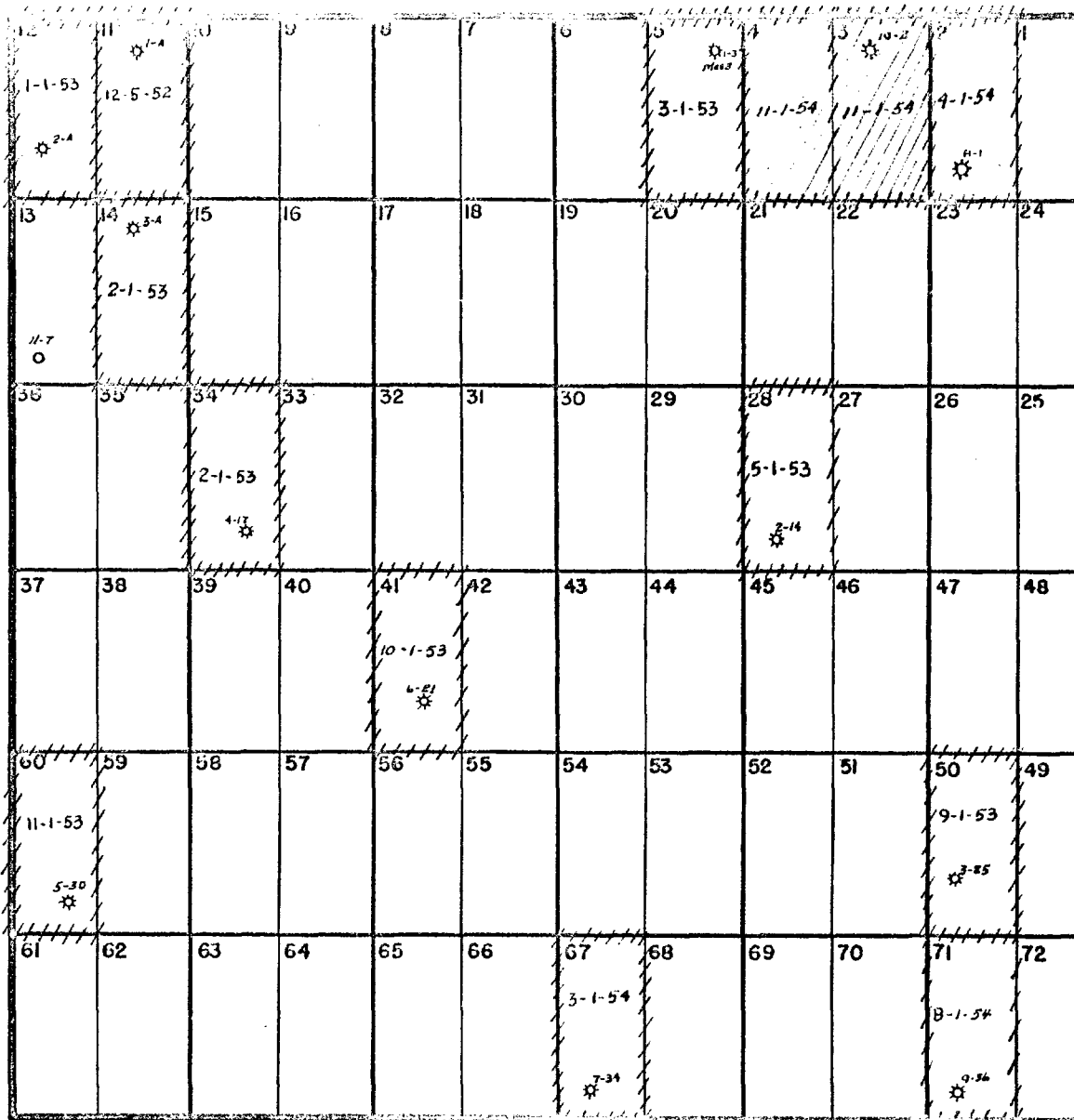
TOTAL COMMITTED	
Federal Lands	3,295.68
State Lands	958.36
Patent Lands	221.18
	4,475.22

TOTAL NET PERCENTAGE OF PARTICIPATION

Phillips Petroleum Company	33.307730%
El Paso Natural Gas Company	13.528328%
Southern Union Gas Company	11.194981%
Tom Bolack	8.835822%
Southern Petroleum Exploration, Inc.	9.385014%
Anderson-Prichard Oil Corporation	3.038956%
Johnston Oil & Gas Company	2.025971%
Wm. G. Johnston	1.012986%
Royalty Owners	12.500000%
Overriding Royalty Owners	5.170212%

\*Subject to a sliding scale overriding royalty payment in favor of Western Natural Gas Company.  
\*\*Subject to a production payment of \$175,000.00 in favor of J. Glenn Turner.

TOTAL 100.000000%



T  
29  
N

R. 6 W.

EXHIBIT "C"

UNIT DRILLING BLOCKS

9/11/54

MESAVERDE PARTICIPATING AREA

SAN JUAN UNIT 29-6

RIO ARRIBA CO., NEW MEXICO

Scale - 1" = 1 Mile

Participating Area



Drilling Blocks Added To Participating  
Area By This Revision



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

P. O. Box 6721  
Roswell, New Mexico

November 15, 1954

Phillips Petroleum Company  
10th Floor West Wing - Phillips Building  
Bartlesville, Oklahoma

Gentlemen:

Receipt is acknowledged of your notice dated November 3, 1954, for the ninth revision of the Mesaverde participating area for the San Juan 29-6 unit agreement, New Mexico. The notice of enlargement is predicated on the commitment by Tom Bolack of his royalty and working interests in tract 11a, as listed on exhibit B.

Tract 11a consists of all Sec. 6, E $\frac{1}{2}$  and E $\frac{1}{4}$ W $\frac{1}{2}$  Sec. 7, T. 29 N., R. 6 W., all of which except the E $\frac{1}{4}$ W $\frac{1}{2}$  Sec. 7 is already in the participating area.

Consequently, the commitment of Tom Bolack's interests in tract 11a does not add any additional drilling blocks on which wells have been completed to the participating area. Accordingly, it is believed that your notice of November 3, 1954, does not conform with provisions of the unit agreement insofar as the expansion of the participating area is concerned. The commitment of the additional interests does however, require a revision of the schedule of participation to be effective November 1, 1954, the first of month following the filing of Bolack's subsequent joinder in this office and in the office of the State Commissioner of Public Lands.

In order to avoid confusion in regard to future expansions of the participating area, it is believed advisable to revise the notice to show only a revision of the schedule of participation as it applies to the eighth expanded Mesaverde participating area to be effective November 1, 1954.

Three copies of your notice of November 3, 1954, are being returned herewith and one copy is retained for our files.

Very truly yours,

R. E. CANFIELD  
Acting Regional Oil and Gas Supervisor

CC: ~~XXXXXXXXXX~~

Oil and Gas Division ✓

MAIN OFFICE 000  
**PHILLIPS PETROLEUM COMPANY**

10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

November 3, 1954

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

Re: San Juan 29-6 Unit, #14-08-001-439  
Rio Arriba County, New Mexico  
NINTH REVISION OF MESAVERDE  
PARTICIPATING AREA  
Effective October 1, 1954

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

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

Gentlemen:

Pursuant to Section 30 of the San Juan 29-6 Unit Agreement, approved December 5, 1952, Tom Bolack as 50% working interest owner and 5% overriding royalty interest owner of Tract 11a of Exhibit "B" to San Juan 29-6 Unit Agreement, has submitted Ratification and Joinders for the commitment of his interest to the San Juan 29-6 Unit Agreement and Unit Operating Agreement. These Ratification and Joinders have been duly submitted to the Regional Supervisor of the United States Geological Survey, Commissioner of Public Lands of the State of New Mexico and Oil Conservation Commission of the State of New Mexico.

Pursuant to the commitment by Tom Bolack of his working interest and overriding royalty interest which pertains to lands under San Juan 29-6 Bolack Mesa wells #1-A, #2-A and #3-A to San Juan 29-6 Unit the participating area for the Mesaverde formation is accordingly revised.

Attached are schedules showing lands and leases committed and the ownership thereof, together with schedule of allocation of production from the expanded participating area. These attachments are listed as follows:

1. Schedule X - Ninth Revised Mesaverde Participating Area.
2. Exhibit "A" - Schedule of leases and ownerships for ninth revision of Mesaverde participating area.
3. Exhibit "B" - Schedule of allocation of production from ninth revised Mesaverde participating area.

Very truly yours

PHILLIPS PETROLEUM COMPANY

BY

  
R. N. RICHEY

Registered  
RNR:wg  
Attachments  
cc: See attached



November 3, 1954

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

Manager - Bureau of Land Management  
El Paso Natural Gas Company  
Johnston Oil and Gas Company  
Anderson-Prichard Oil Corporation  
United States Smelting, Refining and Mining Company  
Stanolind Oil and Gas Company  
Southern Union Gas Company  
Southern Petroleum Exploration, Inc.  
Messrs: P. T. McGrath  
Wm. G. Johnston  
T. H. McElvain  
A. M. Rippel  
R. B. Stewart  
L. E. Fitzjarrald  
C. B. McDonald  
R. D. Wilber  
M. B. Heine  
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 (2)  
M. A. Tippie  
F. R. Burgess  
H. M. Young  
W. M. Freeman  
R. C. Charles  
K. E. Beall  
R. B. Edmundson

SCHEDULE X  
NINTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE OCTOBER 1, 1954

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 1: W $\frac{1}{2}$   
Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38 lying in the  
E $\frac{1}{2}$  of Sec. 3, & that part of Tract #42 lying in the SE $\frac{1}{4}$  Sec. 3.  
Sec. 6: All  
Sec. 7: E $\frac{1}{2}$   
Sec. 14: W $\frac{1}{2}$   
Sec. 17: W $\frac{1}{2}$   
Sec. 21: W $\frac{1}{2}$   
Sec. 25: W $\frac{1}{2}$   
Sec. 30: W $\frac{1}{2}$   
Sec. 34: W $\frac{1}{2}$   
Sec. 36: 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	34.357782%
El Paso Natural Gas Company	20.832139%
Southern Union Gas Company	15.637787%
Tom Bolack	12.491986%
Southern Petroleum Exploration Inc.	8.340153%
Anderson-Prichard Oil Corporation	4.170077%
Johnston Oil and Gas Company	2.780051%
Wm. G. Johnston	1.390025%

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

Santa Fe 080379  
Santa Fe 078426  
Santa Fe 078960  
Santa Fe 078278  
Santa Fe 080146  
New Mexico 012671  
New Mexico 03040  
New Mexico 012698

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

- Attached find:
- (1) A schedule, marked Exhibit "A", showing leases included in the ninth revised participating area.
  - (2) A schedule, marked Exhibit "B", a recap of committed acreage in the ninth revised participating area.
  - (3) An index plat, marked Exhibit "C", showing Drilling Blocks designated by number and effective date of inclusion in participating area.

EXHIBIT "A"  
NINTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE OCTOBER 1, 1954

Tract #1 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: New Mexico 012698  
Lease Description: T29N-R6W  
Sec. 1: Lots 7,8,12,13, S $\frac{1}{2}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ , part  
Tract #37 in W $\frac{1}{2}$  Sec. 1  
Amount of Acreage: 319.54 Acres  
Percentage of Participation: 8.328164%  
Overriding Royalty: 4.0% .333126%  
Royalty: U.S.A. 12.5% 1.041021%  
Operating Rights:  
Phillips Petroleum Company 100% 6.954017%  
San Juan 29-6 Mesa Well #8-1

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T29N-R6W  
Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 2.542183%  
Overriding Royalties: 4.0% .101687%  
Royalty: U.S.A. 12.5% .317773%  
Operating Rights:  
Phillips Petroleum Company 100% 2.122723%  
San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T29N-R6W  
Sec. 14: W $\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 8.340153%  
Overriding Royalties: 5.0% .417008%  
Royalty: U.S.A. 12.5% 1.042519%  
Operating Rights:  
Phillips Petroleum Company 100% 6.880626%  
San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T29N-R6W  
Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Sec. 30: W $\frac{1}{2}$   
Amount of Acreage: 600.00 Acres  
Percentage of Participation: 15.637787%  
Overriding Royalties: 4.0% .625511%  
Royalty: U.S.A. 12.5% 1.954724%  
Operating Rights:  
Southern Union Gas Company 100%\* 13.057552%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens  
San Juan 29-6 Mesa Well #5-30

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078960  
 Lease Description: T29N-R6W  
                             Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
 Amount of Acreage: 40.00 Acres  
 Percentage of Participation: 1.042519%  
 Overriding Royalties: 4.0% .041701%  
 Royalty: U.S.A. 12.5% .130315%  
 Operating Rights:  
                     Phillips Petroleum Company 100% .870503%  
 San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012671  
 Lease Description: T29N-R6W  
                             Sec. 25: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 8.340153%  
 Overriding Royalties: 4.5% .375307%  
 Royalty: U.S.A. 12.5% 1.042519%  
 Operating Rights:  
                     Phillips Petroleum Company 100% 6.922327%  
 San Juan 29-6 Mesa Well #3-25

Tract #8 in Exhibit "B" of Unit Agreement

Lessee: Anderson-Prichard Oil Corporation 1/2  
             Johnston Oil and Gas Company 1/3  
             Wm. G. Johnston 1/6  
 Serial Number: Santa Fe 080146  
 Lease Description: T29N-R6W  
                             Sec. 34: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 8.340153%  
 Overriding Royalties: 2.5% .208504%  
 Royalty: U.S.A. 12.5% 1.042519%  
 Operating Rights:  
                     Anderson-Prichard Oil Corporation 100% 7.089130%  
 San Juan 29-6 Mesa Well #7-34

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
 Serial Number: Santa Fe 080379  
 Lease Description: T29N-R6W  
                             Sec. 6: All  
                             Sec. 7: E $\frac{1}{2}$   
 Amount of Acreage: 958.60 Acres  
 Percentage of Participation: 24.983971%  
 Overriding Royalties: 5.0% 1.249199%  
 Royalty: U.S.A. 12.5% 3.122996%  
 Operating Rights:  
                     El Paso Natural Gas Company 50% 10.305888%  
                     Tom Bolack 50% 10.305888%  
 Bolack #1-A Well  
 Bolack #2-A Well  
 Bolack #3-A Well

Tract #14 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
Serial Number: New Mexico 03040  
Lease Description: T29N-R6W  
                    Sec. 21: W $\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 8.340153%  
Overriding Royalties: 21.875% 1.824408%  
Royalty: U.S.A. 12.500% 1.042519%  
Operating Rights:  
            El Paso Natural Gas Company 100%\*\* 5.473226%  
San Juan Mesa Well #6-21, formerly Turner #1 Lockhart

Tract #17 in Exhibit "B" of Unit Agreement

Lessee: Southern Petroleum Exploration Inc.  
Lease Description: T29N-R6W  
                    Sec. 36: W $\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 8.340153%  
Royalty: State of New Mexico 12.5% 1.042519%  
Operating Rights:  
            Southern Petroleum Exploration Inc. 100% 7.297634%  
San Juan 29-6 Mesa Well #9-36

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Lease Description: T29N-R6W  
                    Sec. 3: Lots 5,6,11,12 & that part of Tract #38  
                                lying in E $\frac{1}{2}$  Sec. 3.  
Amount of Acreage: 158.72 Acres  
Percentage of Participation: 4.136715%  
Overriding Royalties: 4.0% .165469%  
Royalty: Agapita Julianita Gomez y Gomez 12.5% .517089%  
Operating Rights:  
            Phillips Petroleum Company 100% 3.454157%  
San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Lease Description: T29N-R6W  
                    Sec. 3: That part of Tract #42  
                                lying in the SE $\frac{1}{4}$  Sec. 3.  
Amount of Acreage: 62.46 Acres  
Percentage of Participation: 1.627896%  
Overriding Royalties: 4.0% .065116%  
Royalty: Porter A. Smith & Bessie C. Smith 12.5% .203487%  
Operating Rights:  
            Phillips Petroleum Company 100% 1.359293%  
San Juan 29-6 Mesa Well #1-3

EXHIBIT "B"  
NINTH REVISION MESAVEERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE OCTOBER 1, 1954

NINTH REVISED PARTICIPATING AREA				WORKING INTEREST PARTICIPATION			ROYALTY PARTICIPATION			ORRI PARTICIPATION			W. I. OWNER
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	%	% of Production	%	% of Production				
1	319.54	319.54	8.328164%	83.50%	6.954017%	12.50%	1.041021%	4.000%	.333126%	Phillips Petroleum Company			
2	97.54	97.54	2.542183%	83.50%	2.122723%	12.50%	.317773%	4.000%	.101687%	Phillips Petroleum Company			
2	320.00	320.00	8.340153%	82.50%	6.880626%	12.50%	1.042519%	5.000%	.417008%	Phillips Petroleum Company			
5	600.00	600.00	15.637787%	83.50%	13.057552%	12.50%	1.954724%	4.000%	.625511%	Southern Union Gas Company			
6	40.00	40.00	1.042519%	83.50%	.870503%	12.50%	.130315%	4.000%	.041701%	Phillips Petroleum Company			
7	320.00	320.00	8.340153%	83.00%	6.922327%	12.50%	1.042519%	4.500%	.375307%	Phillips Petroleum Company			
8	320.00	320.00	8.340153%	85.00%	3.544565%	12.50%	.521259%	2.500%	.104252%	Anderson-Prichard Oil Corp			
					2.363043%		.347506%		.069501%	Johnston Oil & Gas Company			
					1.181522%		.173754%		.034751%	Wm. G. Johnston			
11a	958.60	958.60	24.983971%	87.50%	10.305888%	12.50%	1.561498%	5.000%	.6245995%	El Paso Natural Gas Company			
					10.305888%		1.561498%		.6245995%	Tom Bolack			
14	320.00	320.00	8.340153%	65.625%	5.473226%	12.50%	1.042519%	1.875%	1.824408%	El Paso Natural Gas Company			
17	320.00	320.00	8.340153%	87.50%	7.297634%	12.50%	1.042519%			Southern Petroleum Exploration Inc.			
19	158.72	158.72	4.136715%	83.50%	3.454157%	12.50%	.517089%	4.000%	.165469%	Phillips Petroleum Company			
20	62.46	62.46	1.627896%	83.50%	1.359293%	12.50%	.203487%	4.000%	.065116%	Phillips Petroleum Company			
TOTAL	3,836.86	3,836.86	100.000000%		82.092964%		12.500000%		5.407036%				
TOTAL COMMITTED													
Federal Lands		Acres	Percentage										
		3,615.68	94.235390%										
Patent Lands		221.18	5.764610%										
TOTAL		3,836.86	100.000000%										
*Subject to a sliding scale overriding royalty payment in favor of Western Natural Gas Company.													
**Subject to a production payment of \$175,000.00 in favor of J. Glenn Turner													
TOTAL												100.000000%	

\*Subject to a sliding scale overriding royalty payment in favor of Western Natural Gas Company.  
\*\*Subject to a production payment of \$175,000.00 in favor of J. Glenn Turner

# PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

August 4, 1954

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

Re: San Juan 29-6 Unit, #14-08-001-439  
Rio Arriba County, New Mexico  
EIGHTH REVISION OF MESAVERDE  
PARTICIPATING AREA  
Effective August 1, 1954

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

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

Gentlemen:

Pursuant to Section 11 (a) of the San Juan 29-6 Unit Agreement, approved December 5, 1952, Phillips Petroleum Company, as Unit Operator, has determined as of July 27, 1954, that a twelfth well capable of producing unitized substances in paying quantities from the Mesa-verde 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 eighth revision is based is as follows:

WELL DESIGNATION: San Juan 29-6 Mesa Well #9-36

LOCATION: 1650' north of south line and 550' east of west line of  
Section 36, Township 29 North, Range 6 West, N.M.P.M.

ELEVATION: 6476' (DF)

SPUD DATE: June 7, 1954

CASING: 9 5/8" cemented at 172' with 200 sx, 7" cemented at 5075'  
with 150 sx - CP 3564' with 150 sx

TOTAL DEPTH: 5690'

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

COMPLETION METHODS: Cliff House and Point Lookout formations individually treated  
with sand-oil frac

TUBING: 2 3/8" hung at 5664', perforated 5648' to 5664', 1/4" hole at  
5237'

August 4, 1954

COMPLETION TEST DATA

DATE: July 27, 1954  
SHUT-IN PERIOD: 12 days  
FINAL SHUT-IN PRESSURES: Tubing 1033#  
Casing 1037#  
RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 3340.1 MCFGPD through tubing  
WORKING PRESSURE: 575# on casing

The Drilling Block upon which this well is located is described as the W/2 Section 36-29N-6W, N.M.P.M., and is designated as #71 on the attached plat.

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

1. Schedule IX - Eighth Revised Mesaverde Participating Area.
2. Exhibit "A" - Schedule of leases and ownerships for eighth revision of Mesaverde participating area.
3. Exhibit "B" - Schedule of allocation of production from eighth revised Mesaverde participating area.
4. Exhibit "C" - Index plat showing Drilling Blocks designated by number and showing effective date of inclusion in participating area.

Very truly yours

PHILLIPS PETROLEUM COMPANY  
Unit Operator

By   
R. N. Richey - San Juan Division

Registered  
RNR:pw

cc: Manager - Bureau of Land Management  
El Paso Natural Gas Company  
Johnston Oil and Gas Company  
Anderson-Prichard Oil Corporation  
United States Smelting, Refining and Mining Company  
Stanolind Oil and Gas Company  
Southern Union Gas Company  
Southern Petroleum Exploration, Inc.  
Messrs: P. T. McGrath  
Wm. G. Johnston  
T. H. McElvain  
A. M. Rippel  
R. B. Stewart



(Cont.)

Messrs. L. E. Fitzjarrald  
D. E. Fryhofer  
G. L. Sneed  
M. B. Heine  
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  
K. E. Beall  
R. B. Edmundson

SCHEDULE IX  
EIGHTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE AUGUST 1, 1954

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 1:  $W\frac{1}{2}$   
Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38 lying in the  $E\frac{1}{2}$  of Sec. 3, & that part of Tract #42 lying in the  $SE\frac{1}{4}$  Sec. 3.  
Sec. 6: All Undivided 479.30 acres not committed - Tom Bolack  
Sec. 7:  $E\frac{1}{2}$  Undivided 479.30 acres committed - El Paso Natural Gas Company  
Sec. 14:  $W\frac{1}{2}$   
Sec. 17:  $W\frac{1}{2}$   
Sec. 21:  $W\frac{1}{2}$   
Sec. 25:  $W\frac{1}{2}$   
Sec. 30:  $W\frac{1}{2}$   
Sec. 34:  $W\frac{1}{2}$   
Sec. 36:  $W\frac{1}{2}$

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

Phillips Petroleum Company	39.262440%
El Paso Natural Gas Company	23.805978%
Southern Union Gas Company	17.870120%
Southern Petroleum Exploration Inc.	9.530731%
Anderson-Prichard Oil Corporation	4.765365%
Johnston Oil and Gas Company	3.176910%
Wm. G. Johnston	1.588456%

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

Santa Fe 080379  
Santa Fe 078426  
Santa Fe 078960  
Santa Fe 078278  
Santa Fe 080146  
New Mexico 012671  
New Mexico 03040  
New Mexico 012698

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

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

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

(3) An index plat, marked Exhibit "C", showing Drilling Blocks designated by number and effective date of inclusion in participating area.

EXHIBIT "A"  
EIGHTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE AUGUST 1, 1954

Tract #1 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: New Mexico 012698  
Lease Description: T29N-R6W  
Sec. 1: Lots 7,8,12,13, S $\frac{1}{2}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ , part  
Tract #37 in W $\frac{1}{2}$  Sec. 1  
Amount of Acreage: 319.54 Acres  
Percentage of Participation: 9.517030%  
Overriding Royalty: 4.0% .380681%  
Royalty: U.S.A. 12.5% 1.189629%  
Operating Rights:  
Phillips Petroleum Company 100% 7.946720%  
San Juan 29-6 Mesa Well #8-1

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T29N-R6W  
Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 2.905086%  
Overriding Royalties: 4.0% .116203%  
Royalty: U.S.A. 12.5% .363136%  
Operating Rights:  
Phillips Petroleum Company 100% 2.425747%  
San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T29N-R6W  
Sec. 14: W $\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 9.530731%  
Overriding Royalties: 5.0% .476536%  
Royalty: U.S.A. 12.5% 1.191341%  
Operating Rights:  
Phillips Petroleum Company 100% 7.862854%  
San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T29N-R6W  
Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Sec. 30: W $\frac{1}{2}$   
Amount of Acreage: 600.00 Acres  
Percentage of Participation: 17.870120%  
Overriding Royalties: 4.0% .714805%  
Royalty: U.S.A. 12.5% 2.233765%  
Operating Rights:  
Southern Union Gas Company 100%\* 14.921550%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens  
San Juan 29-6 Mesa Well #5-30

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078960  
 Lease Description: T29N-R6W  
                     Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
 Amount of Acreage: 40.00 Acres  
 Percentage of Participation: 1.191341%  
 Overriding Royalties: 4.0% .047654%  
 Royalty: U.S.A. 12.5% .148918%  
 Operating Rights:  
     Phillips Petroleum Company 100% .994769%  
 San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012671  
 Lease Description: T29N-R6W  
                     Sec. 25: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 9.530731%  
 Overriding Royalties: 4.5% .428883%  
 Royalty: U.S.A. 12.5% 1.191341%  
 Operating Rights:  
     Phillips Petroleum Company 100% 7.910507%  
 San Juan 29-6 Mesa Well #3-25

Tract #8 in Exhibit "B" of Unit Agreement

Lessee: Anderson-Prichard Oil Corporation 1/2  
         Johnston Oil and Gas Company 1/3  
         Wm. G. Johnston 1/6  
 Serial Number: Santa Fe 080146  
 Lease Description: T29N-R6W  
                     Sec. 34: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 9.530731%  
 Overriding Royalties: 2.5% .238268%  
 Royalty: U.S.A. 12.5% 1.191341%  
 Operating Rights:  
     Anderson-Prichard Oil Corporation 100% 8.101122%  
 San Juan 29-6 Mesa Well #7-34

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
 Serial Number: Santa Fe 080379  
 Lease Description: T29N-R6W  
                     Sec. 6: All  
                     Sec. 7: E $\frac{1}{2}$   
 Amount of Acreage: 958.60 Acres (479.30 acres not committed)  
 Percentage of Participation: 14.275247%  
 Royalty: U.S.A. 12.5% 1.784406%  
 Operating Rights:  
     El Paso Natural Gas Company 100%\*\*\* 12.490841%  
 Bolack #1-A Well  
 Bolack #2-A Well

Tract #14 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
 Serial Number: New Mexico 03040  
 Lease Description: T29N-R6W  
                     Sec. 21: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 9.530731%  
 Overriding Royalties: 21.875% 2.084847%  
 Royalty: U.S.A. 12.500% 1.191341%  
 Operating Rights:  
     El Paso Natural Gas Company 100%\*\* 6.254543%  
 San Juan Mesa Well #6-21, formerly Turner #1 Lockhart

Tract #17 in Exhibit "B" of Unit Agreement

Lessee: Southern Petroleum Exploration Inc.  
 Lease Description: T29N-R6W  
                     Sec. 36: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 9.530731%  
 Royalty: State of New Mexico 12.5% 1.191341%  
 Operating Rights:  
     Southern Petroleum Exploration Inc. 100% 8.339390%  
 San Juan 29-6 Mesa Well #9-36

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T29N-R6W  
                     Sec. 3: Lots 5,6,11,12 & that part of Tract #38  
                                     lying in E $\frac{1}{2}$  Sec. 3.  
 Amount of Acreage: 158.72 Acres  
 Percentage of Participation: 4.727242%  
 Overriding Royalties: 4.0% .189090%  
 Royalty: Agapita Julianita Gomex y Gomez 12.5% .590906%  
 Operating Rights:  
     Phillips Petroleum Company 100% 3.947246%  
 San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T29N-R6W  
                     Sec. 3: That part of Tract #42  
                                     lying in the SE $\frac{1}{4}$  Sec. 3.  
 Amount of Acreage: 62.46 Acres  
 Percentage of Participation: 1.860279%  
 Overriding Royalties: 4.0% .074411%  
 Royalty: Porter A. Smith & Bessie C. Smith 12.5% .232535%  
 Operating Rights:  
     Phillips Petroleum Company 100% 1.553333%  
 San Juan 29-6 Mesa Well #1-3

EXHIBIT "B"  
EIGHTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARRIBA COUNTY, NEW MEXICO  
EFFECTIVE AUGUST 1, 1954

EIGHTH REVISED PARTICIPATING AREA WORKING INTEREST PARTICIPATION										ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	%	% of Production	%	% of Production					
1	319.54	319.54	9.517030%	83.50%	7.946720%	12.5%	1.189629%	4.000%	.380681%	Phillips Petroleum Company				
2	97.54	97.54	2.905086%	83.50%	2.425747%	12.5%	.363136%	4.000%	.116203%	Phillips Petroleum Company				
2	320.00	320.00	9.530731%	82.50%	7.862854%	12.5%	1.191341%	5.000%	.476536%	Phillips Petroleum Company				
5	600.00	600.00	17.870120%	83.50%	14.921550%	12.5%	2.233765%	4.000%	.714805%	Southern Union Gas Company				
6	40.00	40.00	1.191341%	83.50%	.994769%	12.5%	.148918%	4.000%	.047654%	Phillips Petroleum Company				
7	320.00	320.00	9.530731%	83.00%	7.910507%	12.5%	1.191341%	4.500%	.428883%	Phillips Petroleum Company				
8	320.00	320.00	9.530731%	85.00%	4.050561%	12.5%	.595670%	2.500%	.119134%	Anderson-Prichard Oil Corporation				
					2.700374%		.397114%		.079422%	Johnston Oil & Gas Company				
					1.350187%		.198557%		.039712%	Wm. G. Johnston				
11a	958.60	479.30	14.275247%	***87.50%	2.490841%	12.5%	1.784406%	-	-	El Paso Natural Gas Company				
14	320.00	320.00	9.530731%	65.625%	6.254543%	12.5%	1.191341%	21.875%	2.084847%	El Paso Natural Gas Company				
17	320.00	320.00	9.530731%	87.50%	8.339390%	12.5%	1.191341%	-	-	Southern Petroleum Exploration				
19	158.72	158.72	4.727242%	83.50%	3.947246%	12.5%	.590906%	4.000%	.189090%	Phillips Petroleum Company				
20	62.46	62.46	1.860279%	83.50%	1.553333%	12.5%	.232535%	4.000%	.074411%	Phillips Petroleum Company				
TOTAL	3,836.86	3,357.56	100.000000%		82.748622%		12.500000%		4.751378%					

## TOTAL COMMITTED

Federal Lands	Acres	Percentage
	3,136.38	93.412478%
	221.18	6.587522%
	3,357.56	100.000000%

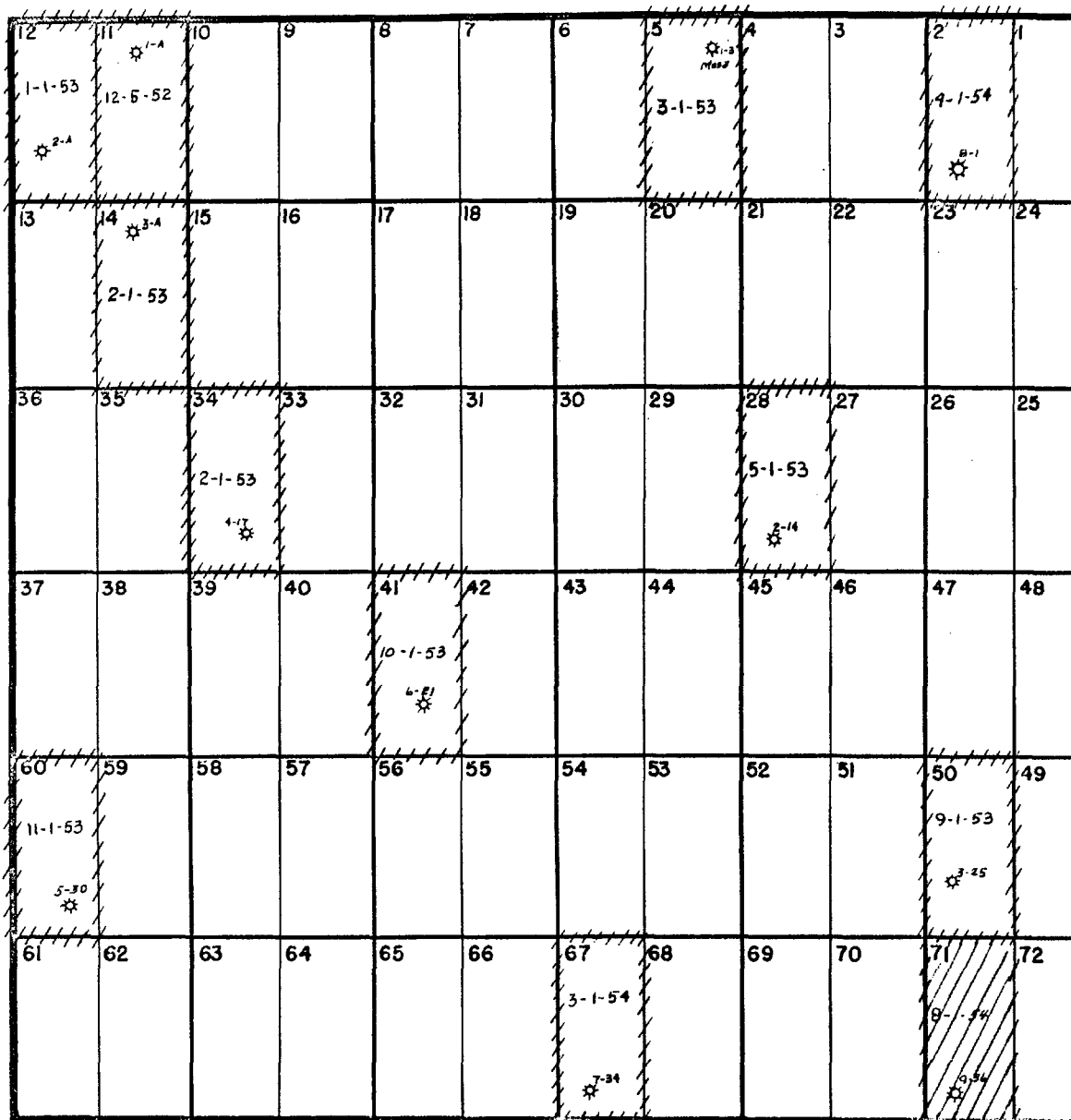
## TOTAL NET PERCENTAGE OF PARTICIPATION

Phillips Petroleum Company	32.641176%
El Paso Natural Gas Company	18.745384%
Southern Union Gas Company	14.921550%
Southern Petroleum Exploration Inc.	8.339390%
Anderson-Prichard Oil Corp.	4.050561%
Johnston Oil & Gas Company	2.700374%
Wm. G. Johnston	1.350187%
Royalty Owners	12.500000%
Overriding Royalty Owners	4.751378%
TOTAL	100.000000%

\*Subject to a sliding scale overriding royalty payment in favor of Western Natural Gas Company.

\*\*Subject to a production payment of \$175,000.00 in favor of J. Glenn Turner.

\*\*\*Subject to a 5.0% overriding royalty not committed.



R. 6 W.

EXHIBIT "C"

## UNIT DRILLING BLOCKS

8<sup>th</sup> Revision

MESAVERDE PARTICIPATING AREA

**SAN JUAN UNIT 29-6**

RIO ARRIBA CO., NEW MEXICO

Scale - 1" = 1 Mile

Participating Area

## Drilling Blocks Added To Participating

### Area By This Revision

**Effective Date Of Inclusion Is Shown On Each**

### Drilling Block Admitted To Participating Area.

47  
MAIN OFFICE OCC  
APR 15 AM 3:47

# PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

April 13, 1954

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

Re: San Juan 29-6 Unit, #14-08-001-439  
Rio Arriba County, New Mexico  
SEVENTH 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 29-6 Unit Agreement, approved December 5, 1952, Phillips Petroleum Company, as Unit Operator, has determined as of March 30, 1954, that an eleventh 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 seventh revision is based is as follows:

WELL DESIGNATION: San Juan 29-6 Mesa Well #8-1

LOCATION: 990' from south line and 990' from west line of  
Section 1-T29N-R6W, N.M.P.M.

ELEVATION: 6445' (D.F.)

SPUD DATE: January 24, 1954

CASING: 9 5/8" cemented at 171' with 175 sx  
7" cemented at 5172' with 200 sx - CP 3405 with 175 sx

TOTAL DEPTH: 5880'

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

SHOT: Interval 5225'-5880' with 1635 quarts S.O.W.E.

TUBING: 2 3/8" hung 4991', includes perforations 4948'-4979'



April 13, 1954

COMPLETION TEST DATA

DATE: March 30, 1954  
SHUT-IN: 17 days  
FINAL SHUT-IN Tubing 1102#  
PRESSURES: Casing 1102#  
RATE BY PITOT TUBE  
AFTER 3 HOUR BLOW  
DOWN: 4,613.4 MCFGPD through tubing  
WORKING PRESSURE: 507# on casing

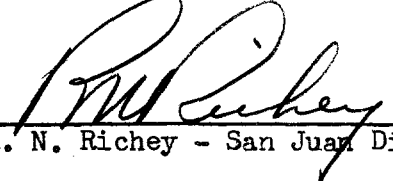
The Drilling Block upon which this well is located is described as the W/2 Section 1-29N-6W, N.M.P.M., and is designated No. 2 on the attached plat.

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

1. Schedule VIII - Seventh Revised Mesaverde Participating Area.
2. Exhibit "A" - Schedule of leases and ownerships for seventh Revised Mesaverde Participating Area.
3. Exhibit "B" - Schedule of allocation of production from seventh Revised Mesaverde Participating Area.
4. Exhibit "C" - Index plat showing Drilling Blocks designated by number and effice 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  
Johnston Oil & Gas Company  
Anderson-Prichard Oil Corporation  
General American Oil Company of Texas  
United States Smelting, Refining and Mining Company  
Stanolind Oil and Gas Company  
Southern Union Gas Company  
Southern Petroleum Exploration, Inc.  
Messrs: P. T. McGrath  
J. Glenn Turner

April 13, 1954

-3-

SEVENTH REVISION  
29-6 Unit

(Cont.)

Messrs. Wm. G. Johnston  
T. H. McElvain  
A. M. Rippel  
R. B. Stewart  
L. E. Fitzjarrald  
D. E. Fryhofer  
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. B. Edmundson

21

MAIN OFFICE OCC

PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

April 13, 1954

Re: San Juan 29-6 Unit, #14-08-001-439  
COMPLETE REVISION OF MESAVERDE  
PARTICIPATING AREA.

*Initial Participating area  
three 6th Revision*

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 the State of New Mexico  
Capital Annex Building  
Santa Fe, New Mexico

Gentlemen:

The United States Geological Survey has required retroactive revision, in accordance with a recent directive, of all schedules heretofore issued upon the establishment and revision of the San Juan 29-6 Unit Mesaverde participating Area. This letter and its schedules I through VII will, therefore, cancel and supercede all previously issued schedules. You will note that the new schedules reflect six (6) expansions of the Mesaverde participating area instead of eight (8) as shown on the old basis. The next expansion of the Mesaverde participating area will be designated Seventh Revision.

Accordingly there are enclosed:

(1) Schedule I - Initial Mesaverde participating area effective December 5, 1952, covering E/2 Section 6-29N-6W, N.M.P.M., occasioned by the completion of El Paso Natural Gas Company's #1-A Bolack, located 1650' from the north line and 990' from the east line of Section 6-29N-6W. This well was spudded April 25, 1952, and completed on September 25, 1952, at a total depth of 6183'. The Mesaverde pay section from 5423' to 6193' was shot with 1770 quarts and following 11 day shut-in period (SICP 1100#, SITP 1100#) this well gauged 2475 MCFGPD after 6 hour blow down and it is the conclusion of Phillips Petroleum Company, designated Unit operator that this well is capable of producing unitized substances in paying quantities and that it establishes the initial participating area for the Mesaverde formation of the E/2 of Section 6-29N-6W. Schedule I of three pages reflects the ownership of this Drilling Block and the allocation of production therefrom. The effective date of December 5, 1952, is the effective date of San Juan 29-6 Unit.

(2) Schedule II - First revision of Mesaverde participating area is occasioned by the completion of two (2) wells, the first of which is El Paso Natural Gas Company's #2-A Bolack, located 1650' from the south line and 982' from the west line of Section 6-29N-6W. This well was spudded on November 5, 1952, and completed December 15, 1952 at a total depth of 6075'. The Mesaverde pay section between 5462' and 5982' was shot with 1170 quarts of nitroglycerin and after 12 day shut-in period (SICP 1068#, SITP 1079#) the well gauged

*Discarded*

2420 MCFGPD after 6 hour blow down.

The second well is Southern Union Gas Company's #1 Wickens, located in SW/4 Section 17-29N-6W. This well was spudded on October 13, 1952, and drilled to a total depth of 6100'. The Mesaverde pay section from 5423' to 6100' was shot with 1685 quarts of nitroglycerin and on December 16, 1952, following a 6 hour blow down the well gauged 1,030 MCFGPD.

Phillips Petroleum Company as Unit Operator determines that these wells are capable of producing unitized substances in paying quantities and has prepared Schedule II as the first revision of the Mesaverde participating area which includes all of Section 6, W/2 Section 17, 29N-6W, and consists of three pages showing ownership of leases and allocation of production effective January 1, 1953 which is the first of the month following the month in which the well was completed.

(3) Schedule III - Second revision of Mesaverde participating area is occasioned by the completion of two (2) wells, the first of which is El Paso Natural Gas Company's #3-A Bolack, located 990' from the north line and 1650' from the east line of Section 7-29N-6W. This well was spudded November 2, 1952 and drilled to a total depth of 6079'. The Mesaverde pay section from 5459' to 6079' was shot with 1320 quarts of nitroglycerin and on January 28, 1953 following 6 hour blow down this well gauged 627 MCFGPD.

The second well is Phillips Petroleum Company's San Juan 29-6 Mesa Well #1-3, located 990' from the north and east lines of Section 3-29N-6W. This well was spudded on October 22, 1952, and drilled to a total depth of 6022'. The Mesaverde pay section between 5222' and 6022' was shot with 2090 quarts of nitroglycerin and the well gauged 1790 MCFGPD after a 3 hour blow down on January 31, 1953.

It is the determination of Phillips Petroleum Company as Unit Operator that these wells are capable of producing unitized substances in paying quantities and the Mesaverde participating area is accordingly expanded to now include E/2 Section 3, all of Section 6, E/2 Section 7 and W/2 Section 17-29N-6W. Schedule III of four pages is attached showing the second revision of the Mesaverde participating area effective February 1, 1953, indicates ownership of leases and allocation of production. This well was previously reported by our letter of February 11, 1953.

(4) Schedule IV - The third revision of Mesaverde participating area occasioned by the completion of Phillips Petroleum Company's San Juan 29-6 Mesa Well #2-14, located 990' from the south and west lines of Section 14-29N-6W. This well was spudded on January 24, 1953 and reached total depth of 6270' on March 7, 1953. The Mesaverde pay section from 5450' to 6270' was shot with 2560 quarts of nitroglycerin. Following 15½ day shut-in period the well gauged 3550 MCFGPD after 3 hour blow down and it is the conclusion of Phillips Petroleum Company as Unit Operator that this well is capable of producing unitized substances in paying quantities. Schedule IV of four pages attached, shows the third revision of the Mesaverde participating area to include E/2 Section 3, all of Section 6, E/2 Section 7, W/2 Section 14 and W/2 Section 17-29N-6W, together with the ownership of leases and the allocation of production therefrom, effective May 1, 1953. This well was previously reported by our letter of April 16, 1953.

(5) Schedule V - The fourth revision of the Mesaverde participating area is occasioned by the completion of two (2) wells, the first of which is Phillips Petroleum Company's San Juan 29-6 Mesa Well #3-25, located 1650' from the south line and 795' from the west line of Section 25-29N-6W. The well was spudded March 28, 1953 and reached total depth of 5710' on May 30, 1953. The Mesaverde pay section between 5125' and 5175' was

April 13, 1954

acidized, stratofraced and shot with 200 quarts of nitroglycerin. Following 12 day shut-in period (SICP 942#, SITP 942#) the well gauged 2250 MCFGPD after 3 hour blow down on August 24, 1953.

The second well is J. Glenn Turner's San Juan 29-6 Mesa Well #6-21 (Formerly Turner #1 Lockhart) located 1650' from the south and west lines of Section 21-29N-6W. The well was spudded July 16, 1953 and reached total depth of 5675' on August 10, 1953. The Mesaverde pay section between 5046' and 5675' was shot with 1517 quarts of nitroglycerin and after 15 day shut-in period (SICP 1092#) the well gauged 6640 MCFGPD after 3 hour blow down on August 25, 1953.

It is the conclusion of Phillips Petroleum Company as Unit Operator that these wells are capable of producing unitized substances in paying quantities and the Mesaverde participating area is accordingly expanded. These wells were previously reported by our letters dated October 26, 1953 and September 29, 1953, respectively. Schedule V being the fourth revision of the Mesaverde participating area, effective September 1, 1953, to include E/2 Section 3, all Section 6, E/2 Section 7, W/2 Section 14, W/2 Section 17, W/2 Section 21 and W/2 Section 25-29N-6W, in four pages is attached shows ownership of leases and allocation of production.

(6) Schedule VI - The fifth revision of the Mesaverde participating area occasioned by the completion of San Juan 29-6 Mesa Well #5-30 (Southern Union) located 990' from the south line and 1650' from the west line of Section 30-29N-6W. The well was spudded July 12, 1953 and drilled to a total depth of 5920'. The Mesaverde pay section from 5220' to 5920' was shot with 2100 quarts of nitroglycerin and after 22½ day shut-in period (SITP 1016#, SICP 1030#) the well gauged 6580 MCFGPD after 3 hour blow down on October 5, 1953 and it is the conclusion of Phillips Petroleum Company as Unit Operator that this well is capable of producing unitized substances in paying quantities and the participating area is accordingly revised. This well was previously reported by our letter of October 6, 1953. Schedule VI being the fifth revision of Mesaverde participating area in four pages is attached to cover E/2 Section 3, all Section 6, E/2 Section 7, W/2 Section 14, W/2 Section 17, W/2 Section 21, W/2 Section 25 and W/2 Section 30-29N-6W, effective November 1, 1953, shows ownership of leases and allocation of production.

(7) Schedule VII - The sixth revision of the Mesaverde participating area occasioned by the completion of San Juan 29-6 Mesa Well #7-34, located 990' from the south line and 990' from the west line of Section 23-29N-6W, N.M.P.M. The well was spudded on November 17, 1953 and drilled to a total depth of 5605'. The Mesaverde pay section from 5009' to 5605' was shot with 1468 quarts of S.O.W.E. and after 31 day shut-in period (SICP 1084#, SITP 1083#) the well gauged 2357 MCFGPD after a 3 hour blow down on February 7, 1954, and it is the conclusion of Phillips Petroleum Company that this well is capable of producing unitized substances in paying quantities and the participating area is accordingly revised. This well was previously reported by our letter of March 2, 1954. Schedule VII being the sixth revision of Mesaverde participating area in five pages is attached to cover E/2 Section 7, W/2 Section 14, W/2 Section 17, W/2 Section 21, W/2 Section 25, W/2 Section 30, E/2 Section 3, all of Section 6 and W/2 Section 34-29N-6W, effective March 1, 1954, shows ownership of leases and allocation of production.

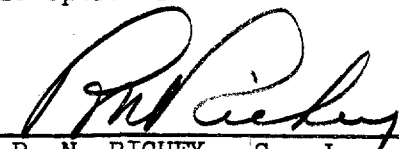
April 13, 1954

When you have reviewed the enclosures we will need your respective approvals on the attached sheet establishing the initial Mesaverde participating area. Thank you for your consideration of the premises.

Yours very truly

PHILLIPS PETROLEUM COMPANY  
Unit Operator

BY

  
R. N. RICHEY - San Juan Division

RNR:DNC:wg

Registered return receipt  
requested from addressees  
and working interest owners.

cc: El Paso Natural Gas Company  
Southern Union Gas Company  
Stanolind Oil and Gas Company  
General American Oil Company of Texas  
Anderson-Prichard Oil Corporation  
United States Smelting, Refining & Mining Co.  
Southern Petroleum Exploration, Inc.  
Johnston Oil & Gas Company  
Messrs. P. T. McGrath  
J. A. DeLany  
J. Glenn Turner  
T. H. McElvain  
Wm. G. Johnston  
A. M. Rippel  
R. B. Stewart  
L. E. Fitzjarrald  
D. E. Fryhofer  
H. E. Koopman  
R. E. Parr  
R. L. Powell  
R. L. Pulsifer (3)  
E. R. Holt  
D. M. McBride  
F. D. Smythe  
S. E. Redman  
Val Reese  
E. A. Humphrey (3)  
M. A. Tippie  
J. W. Mims  
G. E. Benskin  
W. M. Freeman  
R. B. Edmundson  
G. L. Sneed

Sec. 6: E/2

Total Acres in Participating Area - 318.95 Acres  
(159.475 Acres Committed)

Approved: \_\_\_\_\_ 1954

Subject to like approval by the appropriate State Officials, effective Date of First Production, pursuant to the pertinent provisions of Sec. 11 of the Unit Agreement.

Approved: \_\_\_\_\_ 1954

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

Approved:                      MAY 24 1954  
1954

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.

Director - United States Geological Survey

Commissioner of Public Lands of the  
State of New Mexico

Oil Conservation Commission of the  
State of New Mexico

SCHEDULE I  
INITIAL MESAVARDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE DECEMBER 5, 1952

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 6: E/2 (Undivided 159.475 Acres Committed - El Paso Natural Gas Company)  
(Undivided 159.475 Acres Not Committed - Tom Bolack )

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

El Paso Natural Gas Company	100.0000%
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Royalties are payable on production from these lands to the Government under the provisions of Federal lease:

Santa Fe 080379

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 lease included in the initial participating area.

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



SCHEDULE VIII  
SEVENTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE APRIL 1, 1954

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 1:  $W\frac{1}{2}$   
Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38 lying in the  $E\frac{1}{2}$  of Sec. 3, & that part of Tract #42 lying in the  $SE\frac{1}{4}$  Sec. 3.  
Sec. 6: All Undivided 479.30 acres not committed - Tom Bolack  
Sec. 7:  $E\frac{1}{2}$  Undivided 479.30 acres committed - El Paso Natural Gas Company  
Sec. 14:  $W\frac{1}{2}$   
Sec. 17:  $W\frac{1}{2}$   
Sec. 21:  $W\frac{1}{2}$   
Sec. 25:  $W\frac{1}{2}$   
Sec. 30:  $W\frac{1}{2}$   
Sec. 34:  $W\frac{1}{2}$

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

Phillips Petroleum Company	43.3986%
El Paso Natural Gas Company	26.3139%
Southern Union Gas Company	19.7527%
Anderson-Prichard Oil Corporation	5.2674%
Johnston Oil and Gas Company	3.5116%
Wm. G. Johnston	1.7558%

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

Santa Fe 080379  
Santa Fe 078426  
Santa Fe 078960  
Santa Fe 078278  
Santa Fe 080146  
New Mexico 012671  
New Mexico 03040  
New Mexico 012698

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

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

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

(3) An index plat, marked Exhibit "C", showing Drilling Blocks designated by number and effective date of inclusion in participating area.

EXHIBIT "A"  
SEVENTH REVISED MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE APRIL 1, 1954

Tract #1 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: New Mexico 012698  
Lease Description: T 29N - R 6W  
Sec. 1: Lots 7,8,12,13, S $\frac{1}{2}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ , part  
Tract #37 in W $\frac{1}{2}$  Sec. 1  
Amount of Acreage: 319.54 Acres  
Percentage of Participation: 10.5196%  
Overriding Royalty: 4.0%\*\*\* .4208%  
Royalty: U.S.A. 12.5% 1.3150%  
Operating Rights:  
Phillips Petroleum Company 100% 8.7838%  
San Juan 29-6 Mesa Well #8-1

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 3.2111%  
Overriding Royalties: 4.0%\*\*\* .1284%  
Royalty: U.S.A. 12.5% .4014%  
Operating Rights:  
Phillips Petroleum Company 100% 2.6813%  
San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 14: W $\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 10.5348%  
Overriding Royalties: 5.0%\*\*\* .5267%  
Royalty: U.S.A. 12.5% 1.3168%  
Operating Rights:  
Phillips Petroleum Company 100% 8.6913%  
San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T 29N - R 6W  
Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Sec. 30: W $\frac{1}{2}$   
Amount of Acreage: 600.00 Acres  
Percentage of Participation: 19.7527%  
Overriding Royalties: 4.0% .7901%  
Royalty: U.S.A. 12.5% 2.4691%  
Operating Rights:  
Southern Union Gas Company 100%\* 16.4935%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens &  
San Juan 29-6 Mesa Well #5-30

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: Santa Fe 078960  
 Lease Description: T 29N - R 6W  
                     Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
 Amount of Acreage: 40.00 Acres  
 Percentage of Participation: 1.3168%  
 Overriding Royalties: 4.0% .0527%  
 Royalty: U.S.A. 12.5% .1646%  
 Operating Rights:  
     Phillips Petroleum Company 100% 1.0995%  
 San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012671  
 Lease Description: T 29N - R 6W  
                     Sec. 25: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 10.5348%  
 Overriding Royalties: 4.5% .4741%  
 Royalty: U.S.A. 12.5% 1.3168%  
 Operating Rights:  
     Phillips Petroleum Company 100% 8.7439%  
 San Juan 29-6 Mesa Well #3-25

Tract #8 in Exhibit "B" of Unit Agreement

Lessee: Anderson-Prichard Oil Corporation 1/2  
           Johnston Oil and Gas Company 1/3  
           Wm. G. Johnston 1/6  
 Serial Number: Santa Fe 080146  
 Lease Description: T 29N - R 6W  
                     Sec. 34: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 10.5348%  
 Overriding Royalties: 2.5% .2634%  
 Royalty: U.S.A. 12.5% 1.3168%  
 Operating Rights:  
     Anderson-Prichard Oil Corporation 100% 8.9546%  
 San Juan 29-6 Mesa Well #7-34

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
 Serial Number: Santa Fe 080379  
 Lease Description: T 29N - R 6W  
                     Sec. 6: All  
                     Sec. 7: E $\frac{1}{2}$   
 Amount of Acreage: 958.60 Acres (479.30 acres not committed)  
 Percentage of Participation: 15.7791%  
 Royalty: U.S.A. 12.5% 1.9724%  
 Operating Rights:  
     El Paso Natural Gas Company 100%\*\*\* 13.8067%  
 Bolack #1-A Well  
 Bolack #2-A Well  
 Bolack #3-A Well

Tract #14 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
Serial Number: New Mexico 03040  
Lease Description: T 29N - R 6W  
                    Sec. 21:  $W\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 10.5348%  
Overriding Royalties: 21.875% 2.3045%  
Royalty: U.S.A. 12.500% 1.3168%  
Operating Rights:  
            El Paso Natural Gas Company 100%\*\* 6.9135%\*\*  
San Juan Mesa Well #6-21, formerly Turner #1 Lockhart

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Lease Description: T 29N - R 6W  
                    Sec. 3: Lots 5,6,11,12 & that part of Tract #38  
                                lying in  $E\frac{1}{2}$  Sec. 3.  
Amount of Acreage: 158.72 Acres  
Percentage of Participation: 5.2252%  
Overriding Royalties: 4.0%\*\*\* .2090%  
Royalty: Agapita Julianita Gomez y Gomez 12.5% .6532%  
Operating Rights:  
            Phillips Petroleum Company 100% 4.3630%  
San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Lease Description: T 29N - R 6W  
                    Sec. 3: That part of Tract #42  
                                lying in the  $SE\frac{1}{4}$  Sec. 3.  
Amount of Acreage: 62.46 Acres  
Percentage of Participation: 2.0563%  
Overriding Royalties: 4.0% .0823%  
Royalty: Porter A. Smith & Bessie C. Smith 12.5% .2571%  
Operating Rights:  
            Phillips Petroleum Company 100% 1.7169%  
San Juan 29-6 Mesa Well #1-3

EXHIBIT "B"  
SEVENTH REVISION MESAVARDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARRIBA COUNTY, NEW MEXICO  
EFFECTIVE APRIL 1, 1954

SEVENTH REVISED PARTICIPATING AREA				WORKING INTEREST PARTICIPATION				ROYALTY PARTICIPATION				O&H PARTICIPATION				W. I. OWNER	
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	%	% of Production	%	% of Production	%	% of Production						
1	319.54	319.54	10.5196%	83.50%	8.7838%	12.50%	1.3150%	4.000%	.4208%	Phillips Petroleum Company							
2	97.54	97.54	3.2111%	83.50%	2.6813%	12.50%	.4014%	4.000%	.1284%	Phillips Petroleum Company							
2	320.00	320.00	10.5348%	82.50%	8.6913%	12.50%	1.3168%	5.000%	.5267%	Phillips Petroleum Company							
5	600.00	600.00	19.7527%	83.50%	16.4935%	12.50%	2.4691%	4.000%	.7901%	Southern Union Gas Company							
6	40.00	40.00	1.3168%	83.50%	1.0995%	12.50%	.1646%	4.000%	.0527%	Phillips Petroleum Company							
7	320.00	320.00	10.5348%	83.00%	8.7439%	12.50%	1.3168%	4.500%	.4741%	Phillips Petroleum Company							
8	320.00	320.00	10.5348%	85.00%	4.4773%	12.50%	.6584%	2.500%	.1317%	Anderson-Fritchard Oil Corp.							
					2.9849%		.4389%		.0878%	Johnston Oil & Gas Company							
					1.4924%		.2195%		.0439%	Wm. G. Johnston							
11a	958.60	479.30	15.7791%	87.50%****	13.8067%	12.50%	1.9724%	-0-	-0-	El Paso Natural Gas Company							
14	320.00	320.00	10.5348%	65.625%	6.9135%	12.50%	1.3168%	21.875%	2.3045%	El Paso Natural Gas Company							
19	158.72	158.72	5.2252%	83.50%	4.3630%	12.50%	.6532%	4.000%	.2090%	Phillips Petroleum Company							
20	62.46	62.46	2.0563%	83.50%	1.7169%	12.50%	.2571%	4.000%	.0823%	Phillips Petroleum Company							
TOTAL	3,516.86	3,037.56	100.0000%		82.2480%		12.5000%		5.2520%								

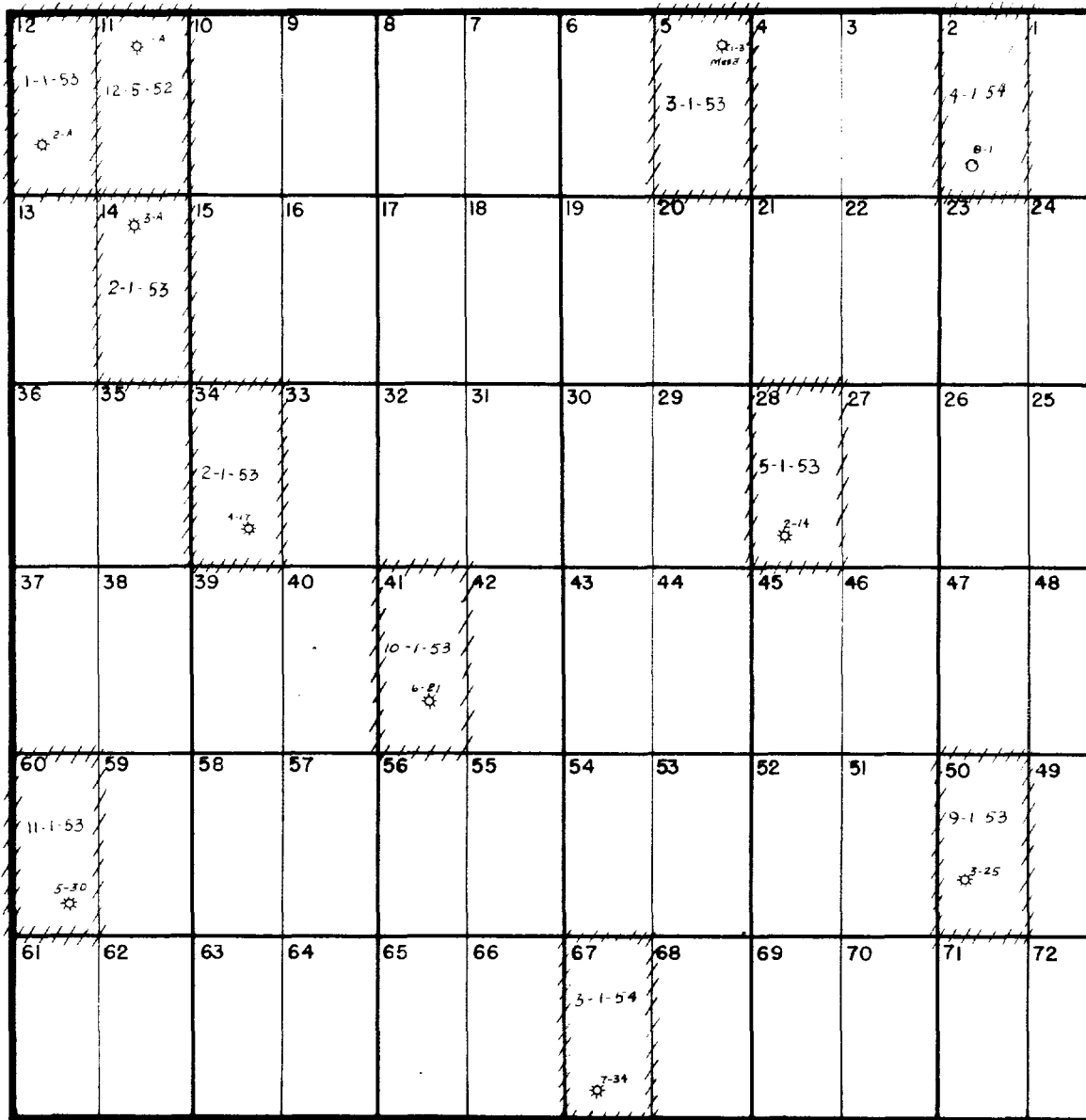
TOTAL COMMITTED

Acres	Percentage
Federal Lands	2,816.38 92.72%
Fee Lands	221.18 7.28%
	3,037.56 100.00%

TOTAL NET PERCENTAGE OF PARTICIPATION

Phillips Petroleum Company	36.0797%
El Paso Natural Gas Company	20.7202%
Southern Union Gas Company	16.4935%
Anderson-Pritchard Oil Corp.	4.4773%
Johnston Oil & Gas Company	2.9849%
Wm. G. Johnston	1.4924%
Royalty Owners	12.5000%
Overriding Royalty Owners	5.2520%
	100.0000%

\* Subject to a sliding scale overriding royalty payment in favor of Western Natural Gas Company.  
\*\* Subject to a production payment of \$175,000.00 in favor of J. Glenn Turner.  
\*\*\* Total override committed by members of original Exhibit "B" to Unit Agreement as approved by Acting Director of the United States Geological Survey on December 5, 1952.  
\*\*\*\* Subject to a 5.0% overriding royalty not committed.



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29  
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R. 6 W.

EXHIBIT "C"

UNIT DRILLING BLOCKS

17th Revision

MESAVERDE PARTICIPATING AREA

SAN JUAN UNIT 29-6

RIO ARRIBA CO., NEW MEXICO

Scale - 1" = 1 Mile

Participating Area



Drilling Blocks Added To Participating

Area By This Revision



Effective Date Of Inclusion Is Shown On Each

Drilling Block Admitted To Participating Area.

SCHEDULE VII  
SIXTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE MARCH 1, 1954

NEW MEXICO PRINCIPAL MERIDIAN

Township 29 North, Range 6 West

Sec. 3: Lots 5,6,11,12,13,14,15,16, and that part of Tract #38 lying in the E/2 Sec. 3, and that part of Tract #42 lying in the SE/4 Sec. 3.

Sec. 6: All Undivided 479.30 acres not committed - Tom Bolack

Sec. 7: E/2 Undivided 479.30 acres committed - El Paso Natural Gas Company

Sec. 14: W/2

Sec. 17: W/2

Sec. 21: W/2

Sec. 25: W/2

Sec. 30: W/2

Sec. 34: W/2

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

Phillips Petroleum Company	36.744395%
El Paso Natural Gas Company	29.407436%
Southern Union Gas Company	22.074893%
Anderson-Prichard Oil Corporation	5.886638%
Johnston Oil and Gas Company	3.924180%
Wm. G. Johnston	1.962458%

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

Santa Fe 080379  
Santa Fe 078426  
Santa Fe 078960  
Santa Fe 078278  
Santa Fe 080146  
New Mexico 012671  
New Mexico 03040

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

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

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

(3) An index plat, marked Exhibit "C", showing Drilling Blocks designated by number and effective date of inclusion in participating area.

EXHIBIT "A"  
SIXTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE MARCH 1, 1954

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 3.588642%  
Overriding Royalties: 4.0%\*\*\* .143546%  
Royalty: U.S.A. 12.5% .448580%  
Operating Rights:  
Phillips Petroleum Company 100% 2.996516%  
San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 14: W/2  
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 11.773276%  
Overriding Royalties: 5.0%\*\*\* .588664%  
Royalty: U.S.A. 12.5% 1.471660%  
Operating Rights:  
Phillips Petroleum Company 100% 9.712952%  
San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T 29N - R 6W  
Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Sec. 30: W $\frac{1}{2}$   
Amount of Acreage: 600.00 Acres  
Percentage of Participation: 22.074893%  
Overriding Royalties: 4.0% .882996%  
Royalty: U.S.A. 12.5% 2.759361%  
Operating Rights:  
Southern Union Gas Company 100%\* 18.432536%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens &  
San Juan 29-6 Mesa Well #5-30

\*Subject to a sliding scale overriding royalty payment in favor of Western Natural Gas Company

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078960  
Lease Description: T 29N - R 6W  
Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 40.00 Acres  
Percentage of Participation: 1.471660%  
Overriding Royalties: 4.0% .058866%  
Royalty: U.S.A. 12.5% .183957%  
Operating Rights:  
Phillips Petroleum Company 100% 1.228837%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens



Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012671  
 Lease Description: T 29N - R 6W  
                             Sec. 25: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 11.773276%  
 Overriding Royalties: 4.5% .529797%  
 Royalty: U.S.A. 12.5% 1.471660%  
 Operating Rights:  
     Phillips Petroleum Company 100% 9.771819%  
 San Juan 29-6 Mesa Well #3-25

Tract #8 in Exhibit "B" of Unit Agreement

Lessee: Anderson-Prichard Oil Corporation 1/2  
           Johnston Oil and Gas Company 1/3  
           Wm. G. Johnston 1/6  
 Serial Number: Santa Fe 080146  
 Lease Description: T 29N - R 6W  
                             Sec. 34: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 11.773276%  
 Overriding Royalties: 2.5% .294332%  
 Royalty: U.S.A. 12.5% 1.471660%  
 Operating Rights:  
     Anderson-Prichard Oil Corporation 100% 10.007284%  
 San Juan 29-6 Mesa Well #7-34

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
 Serial Number: Santa Fe 080379  
 Lease Description: T 29N - R 6W  
                             Sec. 6: All  
                             Sec. 7: E $\frac{1}{2}$   
 Amount of Acreage: 958.60 Acres  
                             (479.30 acres committed)  
 Percentage of Participation: 17.634160%  
 Royalty: U.S.A. 12.5% 2.204270%  
 Operating Rights:  
     El Paso Natural Gas Company 100%\*\*\*\* 15.429890%\*\*\*\*  
 Bolack #1-A Well  
 Bolack #2-A Well  
 Bolack #3-A Well

\*\*\*\*Subject to a 5.0% overriding royalty not committed.

Tract #14 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
 Serial Number: New Mexico 03040  
 Lease Description: T 29N - R 6W  
                             Sec. 21: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 11.773276%  
 Overriding Royalties: 21.875% 2.575404%  
 Royalty: U.S.A. 12.500% 1.471660%  
 Operating Rights:  
     El Paso Natural Gas Company 100%\*\* 7.726212%\*\*  
 San Juan Mesa Well #6-21, formerly Turner #1 Lockhart

\*\*Subject to a production payment of \$175,000.00 in favor of J. Glenn Turner.

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T 29N - R 6W

Sec. 3: Lots 5,6,11,12 and that part of Tract #38  
lying in the E $\frac{1}{2}$  Sec. 3.

Amount of Acreage: 158.72 Acres

Percentage of Participation:

5.839545%

Overriding Royalties: 4.0%\*\*\*

.233582%

Royalty: Agapita Julianita Gomez y Gomez 12.5%

.729943%

Operating Rights:

Phillips Petroleum Company 100%

4.876020%

San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T 29N - R 6W

Sec. 3: That part of Tract #42 lying in the  
SE $\frac{1}{4}$  Sec. 3.

Amount of Acreage: 62.46 Acres

Percentage of Participation:

2.297996%

Overriding Royalties: 4.0%

.091920%

Royalty: Porter A. Smith & Bessie C. Smith 12.5%

.287249%

Operating Rights:

Phillips Petroleum Company 100%

1.918827%

San Juan 29-6 Mesa Well #1-3

EXHIBIT "B"  
SIXTH REVISION MESAVARDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE MARCH 1, 1954

SIXTH REVISED PARTICIPATING AREA				WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		OVERRIDE PARTICIPATION		W. I. OWNER
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	%	% of Production	%	% of Production	
2	97.54	97.54	3.588642%	83.500%	2.996516%	12.5%	.448580%	4.000%	.143546%	Phillips Petroleum Company
2	320.00	320.00	11.773276%	82.500%	9.712952%	12.5%	1.471660%	5.000%	.588664%	Phillips Petroleum Company
5	600.00	600.00	22.074893%	83.500%	18.432536%	12.5%	2.759361%	4.000%	.882996%	Southern Union Gas Company*
6	40.00	40.00	1.471660%	83.500%	1.228837%	12.5%	.183957%	4.000%	.058866%	Phillips Petroleum Company
7	320.00	320.00	11.773276%	83.000%	9.771819%	12.5%	1.471660%	4.500%	.529797%	Phillips Petroleum Company
8	320.00	320.00	11.773276%	85.000%	5.003642%	12.5%	.735830%	2.500%	.147166%	Anderson-Prichard Oil Corp.
					3.335761%		.490553%		.098111%	Johnston Oil & Gas Company
					1.667881%		.245277%		.049055%	Wm. G. Johnston
11a	958.60	479.30	17.634160%	87.500%****	15.429890%	12.5%	2.204270%	-0-	-0-	El Paso Natural Gas Company
14	320.00	320.00	11.773276%	65.625%	7.726212%	12.5%	1.471660%	21.875%	2.575404%	El Paso Natural Gas Company
19	158.72	158.72	5.839545%	83.500%	4.876020%	12.5%	.729943%	4.000%	.233582%	Phillips Petroleum Company
20	62.46	62.46	2.297996%	83.500%	1.918827%	12.5%	.287249%	4.000%	.091920%	Phillips Petroleum Company
TOTALS	3,197.32	2,718.02	100.000000%		82.100893%		12.500000%		5.399107%	

TOTAL COMMITTED	
Acres	Percentage
Federal Lands	2,496.84
Fee Lands	221.18
	2,718.02
	100.000000%

TOTAL NET PERCENTAGE OF PARTICIPATION	
Phillips Petroleum Company	30.504971%
El Paso Natural Gas Company	23.156102%
Southern Union Oil Company	18.432536%
Anderson Prichard Oil Corporation	5.003642%
Johnston Oil & Gas Company	3.335761%
Wm. G. Johnston	1.667881%
Royalty Owners	12.500000%
Overriding Royalty Owners	5.399107%
	100.000000%

\*Subject to a sliding scale overriding royalty payment in favor of Western Natural Gas Company.  
\*\*Subject to a production payment of \$175,000.00 in favor of J. Glenn Turner.  
\*\*\*Total override committed by members of original Exhibit "B" to Unit Agreement as approved by Acting Director of the United States Geological Survey on December 5, 1952.  
\*\*\*\*Subject to a 5.0% overriding royalty not committed

**PHILLIPS PETROLEUM COMPANY**

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

February 2, 1954

Re: San Juan 29-6 Unit  
Unit #14-08-001-439  
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 production from the Bolack #1-A well was being sold on the effective date of the Unit, December 5, 1952. Therefore, pursuant to Section 22 of the Unit Agreement, any lease, no portion of which is included within a participating area by December 5, 1959, shall be automatically eliminated from this agreement and shall no longer be a part of the Unit Area, unless drilling operations are in progress on said lease on December 5, 1959, 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 - San Juan Division

RW:wg  
cc: See attached

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  
Western Natural Gas Company  
R. E. Beamon  
Johnston Oil & Gas Company  
J. Glenn Turner  
Anderson-Prichard Oil Corporation  
General American Oil Company of Texas  
United States Smelting Refining  
Three States Natural Gas Company  
Stanolind Oil & Gas Company  
Southern Union Gas Company  
Wm. G. Johnston  
Southern Petroleum Exploration, Inc.  
T. H. McElvain

SCHEDULE VI  
FIFTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1953

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

- Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38 lying in the E $\frac{1}{2}$  of Sec. 3, and that part of Tract #42 lying in the SE $\frac{1}{4}$  Sec. 3.
- Sec. 6: All } Undivided 479.30 acres not committed - Tom Bolack.  
Sec. 7: E/2 } Undivided 479.30 acres committed - El Paso Natural Gas Company.  
Sec. 14: W/2  
Sec. 17: W/2  
Sec. 21: W/2  
Sec. 25: W/2  
Sec. 30: W/2

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

Phillips Petroleum Company	41.647693%
El Paso Natural Gas Company	33.331665%
Southern Union Gas Company	25.020642%

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

Santa Fe 080379  
Santa Fe 078426  
Santa Fe 078960  
Santa Fe 078278  
New Mexico 012671  
New Mexico 03040

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

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

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

EXHIBIT "A"  
FIFTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1953

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 4.067522%  
Overriding Royalties: 4.0%\*\*\* .162701%  
Royalty: U.S.A. 12.5% .508440%  
Operating Rights:  
Phillips Petroleum Company 100% 3.396381%  
San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 14: W $\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 13.344342%  
Overriding Royalties: 5.0%\*\*\* .667217%  
Royalty: U.S.A. 12.5% 1.668043%  
Operating Rights:  
Phillips Petroleum Company 100% 11.009082%  
San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T 29N - R 6W  
Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Sec. 30: W $\frac{1}{2}$   
Amount of Acreage: 600.00 Acres  
Percentage of Participation: 25.020642%  
Overriding Royalties: 4.0% 1.000826%  
Royalty: U.S.A. 12.5% 3.127580%  
Operating Rights:  
Southern Union Gas Company 100%\*\*\* 20.892236%\*\*\*  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens &  
San Juan 29-6 Mesa Well #5-30

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078960  
Lease Description: T 29N - R 6W  
Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 40.00 Acres  
Percentage of Participation: 1.668044%  
Overriding Royalties: 4.0% .066722%  
Royalty: U.S.A. 12.5% .208506%  
Operating Rights:  
Phillips Petroleum Company 100% 1.392816%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012671  
 Lease Description: T 29N - R 6W  
                             Sec. 25: W/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 13.344342%  
 Overriding Royalties: 4.5%\*\*\* .600495%  
 Royalty: U.S.A. 12.5% 1.668043%  
 Operating Rights:  
             Phillips Petroleum Company 100% 11.075804%  
 San Juan 29-6 Mesa Well #3-25

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
 Serial Number: Santa Fe 080379  
 Lease Description: T 29N - R 6W  
                             Sec. 6: All  
                             Sec. 7: E/2  
 Amount of Acreage: 958.60 Acres  
                             (479.30 acres committed)  
 Percentage of Participation: 19.987323%  
 Royalty: U.S.A. 12.5% 2.498415%  
 Operating Rights:  
             El Paso Natural Gas Company 100%\* 17.488908%  
 Bolack #1-A Well  
 Bolack #2-A Well  
 Bolack #3-A Well

\*Subject to a 5.0% overriding royalty not committed.

Tract #14 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
 Serial Number: New Mexico 03040  
 Lease Description: T 29N - R 6W  
                             Sec. 21: W/2  
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 13.344342%  
 Overriding Royalties: 21.875% 2.919075%  
 Royalty: U.S.A. 12.500% 1.668043%  
 Operating Rights:  
             El Paso Natural Gas Company 100%\*\*\*\* 8.757224%\*\*\*\*  
 San Juan Mesa Well #6-21, formerly Turner #1 Lockhart

\*\*\*\*Subject to a production payment in favor of J. Glenn Turner.

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T 29N - R 6W  
                             Sec. 3: Lots 5,6,11,12 and that part of Tract #38 lying in  
   E/2 Sec. 3.  
 Amount of Acreage: 158.72 Acres  
 Percentage of Participation: 6.618794%  
 Overriding Royalty: 4.0%\*\*\* .264752%  
 Royalty: Agapita Julianita Gomez y Gomez 12.5% .827349%  
 Operating Rights:  
             Phillips Petroleum Company 100% 5.526693%  
 San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T 29N - R 6W  
                             Sec. 3: That part of Tract #42 lying in SE $\frac{1}{4}$  Sec. 3.  
 Amount of Acreage: 62.46 Acres  
 Percentage of Participation: 2.604649%  
 Overriding Royalties: 4.0% .104186%  
 Royalty: Porter A. Smith & Bessie C. Smith 12.5% .325581%  
 Operating Rights: Phillips Petroleum Company 100% 2.174882%  
 San Juan 29-6 Mesa Well #1-3



EXHIBIT "B"  
FIFTH REVISION MESAVARDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARRIBA COUNTY, NEW MEXICO  
EFFECTIVE NOVEMBER 1, 1953

FIFTH REVISED PARTICIPATING AREA			WORKING INTEREST PARTICIPATION			ROYALTY PARTICIPATION			ORRI PARTICIPATION			W. I. OWNER
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	%	% of Production	%	% of Production			
2	97.54	97.54	4.067522%	83.500%	3.396381%	12.5%	.508440%	4.000%	.162701%	Phillips Petroleum Company		
2	320.00	320.00	13.344342%	82.500%	11.009082%	12.5%	1.668043%	5.000%	.667217%	Phillips Petroleum Company		
5	600.00	600.00	25.020642%	83.500%	20.892236%	12.5%	3.127580%	4.000%	1.000826%	Southern Union Gas Company*		
6	40.00	40.00	1.668044%	83.500%	1.392816%	12.5%	.208506%	4.000%	.066722%	Phillips Petroleum Company		
7	320.00	320.00	13.344342%	83.000%	11.075804%	12.5%	1.668043%	4.500%	.600495%	Phillips Petroleum Company		
11a	958.60	479.30	19.987323%	87.500%*	17.488908%	12.5%	2.498415%	-0-	-0-	El Paso Natural Gas Company		
14	320.00	320.00	13.344342%	65.625%	8.757224%	12.5%	1.668043%	21.875%	2.919075%	El Paso Natural Gas Company		
19	158.72	158.72	6.618794%	83.500%	5.526693%	12.5%	.827349%	4.000%	.264752%	Phillips Petroleum Company		
20	62.46	62.46	2.604649%	83.500%	2.174882%	12.5%	.325581%	4.000%	.104186%	Phillips Petroleum Company		
TOTALS	2,877.32	2,398.02	100.000000%		81.714026%		12.500000%		5.785974%			

TOTAL COMMITTED		
Federal Lands	Acres	Percentage
	2,176.84	90.776557%
Fee Lands	221.18	9.223443%
	2,398.02	100.000000%

TOTAL NET PERCENTAGE OF PARTICIPATION		
Phillips Petroleum Company		34.575658%
Southern Union Gas Company		20.892236%
El Paso Natural Gas Company		26.246132%
Royalty Owners		12.500000%
Overriding Royalty Owners		5.785974%
		100.000000%

\*Subject to a 5.0% overriding royalty not committed.  
\*\*Subject to overriding royalty payment in favor of Western Natural Gas Company.  
\*\*\*Total override committed by members of original Exhibit "B" to Unit Agreement as approved by Acting Director of United States Geological Survey on December 5, 1952.  
\*\*\*\*Subject to a production payment in favor of J. Glenn Turner.

# PHILLIPS PETROLEUM COMPANY

10th Floor West Wing - Phillips Building  
BARTLESVILLE, OKLAHOMA

LAND AND GEOLOGICAL DEPARTMENT

October 1, 1953

C. O. STARK, VICE PRESIDENT  
D. E. LOUNSBERY, CHIEF GEOLOGIST  
D. C. HEMSELL, MGR. LAND DIVISION  
W. B. WEEKS, MGR. GEOLOGICAL SECTION  
A. J. HINTZE, MGR. EXPLORATION SECTION

Re: San Juan 29-6 Unit  
No. 14-08-001-439  
Rio Arriba County, New Mexico  
INITIAL PARTICIPATING AREA

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 the  
State of New Mexico  
Capital Annex Building  
Santa Fe, New Mexico

Gentlemen:

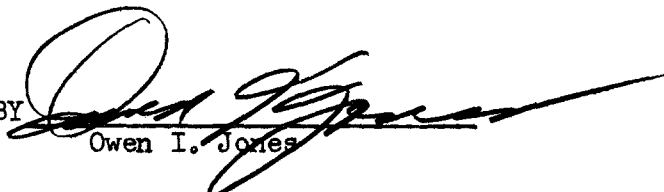
Pursuant to Section 11a of the Unit Agreement you have been furnished with a schedule setting forth the ownership in the initial participating area covering the W/2 Section 17-29N-6W, Rio Arriba County, New Mexico. For your information this schedule has been approved as follows:

- (1) Approved by Thomas B. Nolan, Acting Director of the United States Geological Survey on June 11, 1953.
- (2) Approved by E. S. Walker, Commissioner of Public Lands, State of New Mexico on May 26, 1953.
- (3) Approved by R. R. Spurrier for Oil Conservation Commission of the State of New Mexico on May 25, 1953.

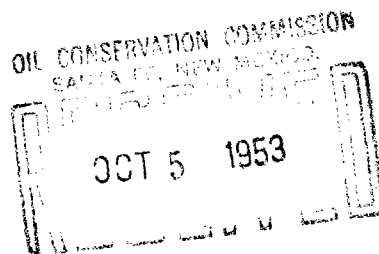
The effective date of the initial participating area was December 16, 1952.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

BY   
Owen I. Jones

OIJ:wg  
cc - See Attached



San Juan 29-6 Unit

October 1, 1953

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

El Paso Natural Gas Company  
Southern Union Gas Company  
Stanolind Oil and Gas Company  
General American Oil Company of Texas  
Anderson-Prichard Oil Corporation  
Three States Natural Gas Company (5)  
Southern Petroleum Exploration, Inc.  
United States Smelting, Refining & Mining Co.  
J. Glenn Turner

Messrs: P. T. McGrath  
J. A. DeLany  
D. C. Hensell  
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)  
S. E. Redman  
Val Reese  
E. A. Humphrey (3)  
M. A. Tippie  
J. W. Mims  
G. E. Benskin  
W. M. Freeman  
R. F. Rood  
G. L. Sneed

SCHEDULE V  
FOURTH REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE SEPTEMBER 1, 1953

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

- Sec. 3: Lots 5,6,11,12,13,14,15,16, & that part of Tract #38 lying in the E/2 Sec. 3, and that part of Tract #42 lying in the SE $\frac{1}{4}$  Sec. 3.  
- Sec. 6: All } Undivided 479.30 acres not committed - Tom Bolack  
- Sec. 7: E $\frac{1}{2}$  } Undivided 479.30 acres committed - El Paso Natural Gas Company  
- Sec. 14: W $\frac{1}{2}$   
- Sec. 17: W $\frac{1}{2}$   
Sec. 21: W $\frac{1}{2}$   
Sec. 25: 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	48.061135%
El Paso Natural Gas Company	38.464500%
Southern Union Gas Company	13.474365%

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

Santa Fe 078426  
Santa Fe 080379  
Santa Fe 078960  
Santa Fe 078278  
New Mexico 012671  
New Mexico 03040

The United States of America owns one-eighth (1/8) royalty interest in each of 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 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE SEPTEMBER 1, 1953

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
                    Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 4.693892%  
Overriding Royalties: 4.0%\*\*\* .187756%  
Royalty: U.S.A. 12.5% .586737%  
Operating Rights:  
            Phillips Petroleum Company 100% 3.919399%  
San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
                    Sec. 14: W $\frac{1}{2}$   
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 15.399274%  
Overriding Royalties: 5.0%\*\*\* .769964%  
Royalty: U.S.A. 12.5% 1.924909%  
Operating Rights:  
            Phillips Petroleum Company 100% 12.704401%  
San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T 29N - R 6W  
                    Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 280.00 Acres  
Percentage of Participation: 13.474365%  
Overriding Royalties: 4.0% .538975%  
Royalty: U.S.A. 12.5% 1.684296%  
Operating Rights:  
            Southern Union Gas Company 100%\*\* 11.251094%\*\*  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

\*\*Subject to overriding royalty payment in favor of Western Natural Gas Company.

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078960  
Lease Description: T 29N - R 6W  
                    Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 40.00 Acres  
Percentage of Participation: 1.924909%  
Overriding Royalties: 4.0% .076996%  
Royalty: U.S.A. 12.5% .240614%  
Operating Rights:  
            Phillips Petroleum Company 100% 1.607299%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #7 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Serial Number: New Mexico 012671  
 Lease Description: T 29N - R 6W  
                             Sec. 25: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 15.399274%  
 Overriding Royalties: 4.5%\*\*\* .692967%  
 Royalty: U.S.A. 12.5% 1.924909%  
 Operating Rights:  
             Phillips Petroleum Company 100% 12.781398%  
 San Juan 29-6 Mesa Well #3-25

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
 Serial Number: Santa Fe 080379  
 Lease Description: T 29N - R 6W  
                             Sec. 6: All  
                             Sec. 7: E $\frac{1}{2}$   
 Amount of Acreage: 958.60 Acres (479.30 acres committed)  
 Percentage of Participation: 23.065226%  
 Royalty: U.S.A. 12.5% 2.883153%  
 Operating Rights:  
             El Paso Natural Gas Company 100%\* 20.182073%  
 Bolack #1-A Well  
 Bolack #2-A Well  
 Bolack #3-A Well

\*Subject to a 5.0% overriding royalty not committed.

Tract #14 in Exhibit "B" of Unit Agreement

Lessee: El Paso Natural Gas Company  
 Serial Number: New Mexico 03040  
 Lease Description: T 29N - R 6W  
                             Sec. 21: W $\frac{1}{2}$   
 Amount of Acreage: 320.00 Acres  
 Percentage of Participation: 15.399274%  
 Overriding Royalties: 21.875% 3.368591%  
 Royalty: U.S.A. 12.500% 1.924909%  
 Operating Rights:  
             El Paso Natural Gas Company 100%\*\*\*\* 10.105774%\*\*\*\*  
 San Juan 29-6 Mesa Well #6-21, formerly Turner #1 Lockhart

\*\*\*\*Subject to a production payment in favor of J. Glenn Turner.

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T 29N - R 6W  
                             Sec. 3: Lots 5,6,11,12 & that part of Tract #38  
   lying in E $\frac{1}{2}$  Sec. 3.  
 Amount of Acreage: 158.72 Acres  
 Percentage of Participation: 7.638040%  
 Overriding Royalties: 4.0%\*\*\* .305522%  
 Royalty: Agapita Julianita Gomez y Gomez 12.5% .954755%  
 Operating Rights:  
             Phillips Petroleum Company 100% 6.377763%  
 San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
 Lease Description: T 29N - R 6W  
                             Sec. 3: That part of Tract #42 lying in SE $\frac{1}{4}$  Sec. 3.  
 Amount of Acreage: 62.46 Acres  
 Percentage of Participation: 3.005746%  
 Overriding Royalties: 4.0% .120230%  
 Royalty: Porter A. Smith & Bessie C. Smith 12.5% .375718%  
 Operating Rights:  
             Phillips Petroleum Company 100% 2.509798%  
 San Juan 29-6 Mesa Well #1-3

EXHIBIT "B"  
FOURTH REVISION MESAVARDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE SEPTEMBER 1, 1953

FOURTH REVISED PARTICIPATING AREA			WORKING INTEREST PARTICIPATION			ROYALTY PARTICIPATION			ORRI PARTICIPATION			W. I. OWNER
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	%	% of Production	%	% of Production			
2	97.54	97.54	4.693892%	83.500%	3.919399%	12.5%	.586737%	4.000%	.187756%	Phillips Petroleum Company		
2	320.00	320.00	15.399274%	82.500%	12.704401%	12.5%	1.924909%	5.000%	.769964%	Phillips Petroleum Company		
5	280.00	280.00	13.474365%	83.500%	11.251094%	12.5%	1.684296%	4.000%	.538975%	Southern Union Gas Company		
6	40.00	40.00	1.924909%	83.500%	1.607299%	12.5%	.240614%	4.000%	.076996%	Phillips Petroleum Company		
7	320.00	320.00	15.399274%	83.000%	12.781398%	12.5%	1.924909%	4.500%	.692967%	Phillips Petroleum Company		
11a	958.60	479.30	23.065226%	87.500%*	20.182073%	12.5%	2.883153%	-0-	-0-	El Paso Natural Gas Company		
14	320.00	320.00	15.399274%	65.625%	10.105774%	12.5%	1.924909%	21.875%	3.368591%	El Paso Natural Gas Company		
19	158.72	158.72	7.638040%	83.500%	6.377763%	12.5%	.954755%	4.000%	.305522%	Phillips Petroleum Company		
20	62.46	62.46	3.005746%	83.500%	2.509798%	12.5%	.375718%	4.000%	.120230%	Phillips Petroleum Company		
TOTALS 2,557.32			2,078.02	100.000000%	81.438999%	12.500000%	6.061001%					

TOTAL COMMITTED		
	Acres	Percentage
Federal Lands	1,856.84	89.356214%
Fee Lands	221.18	10.643786%
	2,078.02	100.000000%

TOTAL NET PERCENTAGE OF PARTICIPATION	
Phillips Petroleum Company	39.900058%
El Paso Natural Gas Company	30.287847%
Southern Union Gas Company	11.251094%
Royalty Owners	12.500000%
Overriding Royalty Owners	6.061001%
	100.000000%

\*Subject to a 5.0% overriding royalty not committed.  
\*\*Subject to overriding royalty payment in favor of Western Natural Gas Company.  
\*\*\*Total override committed by members of original Exhibit "B" to Unit Agreement as approved by Acting Director of United States Geological Survey on December 5, 1952.  
\*\*\*\*Subject to a production payment in favor of J. Glenn Turner.

SCHEDULE IV  
THIRD REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE MAY 1, 1953

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38 lying in the  
E/2 Sec. 3, and that part of Tract #42 lying in the SE/4 Sec. 3.  
Sec. 6: All } Undivided 479.30 acres not committed - Tom Bolack  
Sec. 7: E/2 } Undivided 479.30 acres committed - El Paso Natural Gas Company  
Sec. 14: W/2  
Sec. 17: W/2

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

Phillips Petroleum Company	47.198231%
El Paso Natural Gas Company	33.330552%
Southern Union Gas Company	19.471217%

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

080379  
078426  
078960  
078278

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

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

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



EXHIBIT "A"  
THIRD REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE MAY 1, 1953

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 6.782938%  
Overriding Royalties: 4.0%\*\*\* .271318%  
Royalty: U.S.A. 12.5% .847867%  
Operating Rights:  
Phillips Petroleum Company 100% 5.663753%  
San Juan 29-6 Mesa Well #1-3

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 14: W/2  
Amount of Acreage: 320.00 Acres  
Percentage of Participation: 22.252820%  
Overriding Royalties: 5.0%\*\*\* 1.112641%  
Royalty: U.S.A. 12.5% 2.781603%  
Operating Rights:  
Phillips Petroleum Company 100% 18.358576%  
San Juan 29-6 Mesa Well #2-14

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T 29N - R 6W  
Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 280.00 Acres  
Percentage of Participation: 19.471217%  
Overriding Royalties: 4.0% .778849%  
Royalty: U.S.A. 12.5% 2.433902%  
Operating Rights:  
Southern Union Gas Company 100%\*\* 16.258466%\*\*  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

\*\*Subject to overriding royalty payment in favor of Western Natural Gas Company.

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078960  
Lease Description: T 29N - R 6W  
Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 40.00 Acres  
Percentage of Participation: 2.781602%  
Overriding Royalties: 4.0% .111264%  
Royalty: U.S.A. 12.5% .347700%  
Operating Rights:  
Phillips Petroleum Company 100% 2.322638%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
Serial Number: Santa Fe 080379  
Lease Description: T 29N - R 6W  
                  Sec. 6: All  
                  Sec. 7: E/2  
Amount of Acreage: 958.60 Acres  
                  (479.30 acres committed)  
Percentage of Participation: 33.330552%  
Royalty: U.S.A. 12.5% 4.166319%  
Operating Rights:  
          El Paso Natural Gas Company 100%\* 29.164233%  
Bolack #1-A Well  
Bolack #2-A Well  
Bolack #3-A Well

\*Subject to a 5.0% overriding royalty not committed.

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Lease Description: T 29N - R 6W  
                  Sec. 3: Lots 5,6,11,12, & that part of Tract #38  
                          lying in the E/2 Sec. 3.  
Amount of Acreage: 158.72 Acres  
Percentage of Participation: 11.037399%  
Overriding Royalties: 4.0%\*\*\* .441496%  
Royalty: Agapita Julianita Gomez y Gomez 12.5% 1.379675%  
Operating Rights:  
          Phillips Petroleum Company 100% 9.216228%  
San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Lease Description: T 29N - R 6W  
                  Sec. 3: That part Tract #42 lying in the SE/4 Sec. 3.  
Amount of Acreage: 62.46 Acres  
Percentage of Participation: 4.343472%  
Overriding Royalties: 4.0% .173739%  
Royalty: Porter A. Smith & Bessie C. Smith 12.5% .542934%  
Operating Rights:  
          Phillips Petroleum Company 100% 3.626799%  
San Juan 29-6 Mesa Well #1-3

EXHIBIT "B"  
THIRD REVISION MESAVEEDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE MAY 1, 1953

THIRD REVISED PARTICIPATING AREA			WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER
Tract No.	Area Acres	Committed Acres	Tract Participation	%	% of Production	% of Production	%	% of Production	
2	97.54	97.54	6.782938%	83.5%	5.663753%	12.5%	4.0%	.271318%	Phillips Petroleum Company
2	320.00	320.00	22.252820%	82.5%	18.358576%	12.5%	5.0%	1.112641%	Phillips Petroleum Company
5	280.00	280.00	19.471217%	83.5%	16.258466%	12.5%	4.0%	.778849%	Southern Union Gas Company***
6	40.00	40.00	2.781602%	83.5%	2.322638%	12.5%	4.0%	.111264%	Phillips Petroleum Company
1a	958.60	479.30	33.330552%	87.5%*	29.164233%	12.5%	-0-	-0-	El Paso Natural Gas Company
19	158.72	158.72	11.037399%	83.5%	9.216228%	12.5%	4.0%	.441496%	Phillips Petroleum Company
20	62.46	62.46	4.343472%	83.5%	3.626799%	12.5%	4.0%	.173739%	Phillips Petroleum Company
Totals 1,917.32			100.000000%		84.610693%	12.500000%		2.889307%	

TOTAL COMMITTED		
	Acres	Percentage
Federal Lands	1,216.84	84.619129%
Fee Lands	221.18	15.380871%
	1,438.02	100.000000%

TOTAL NET PERCENTAGE OF PARTICIPATION		
Phillips Petroleum Company		39.187994%
El Paso Natural Gas Company		29.164233%
Southern Union Gas Company		16.258466%
Royalty Owners		12.500000%
Overriding Royalty Owners		2.889307%
		100.000000%

\*Subject to a 5.0% overriding royalty payment.  
\*\*Subject to overriding royalty in favor of Western Natural Gas Company.  
\*\*\*Total override committed by members of original Exhibit "B" to Unit Agreement as approved by Acting Director of United States Geological Survey on December 5, 1952.

SCHEDULE III  
SECOND REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE FEBRUARY 1, 1953

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

- Sec. 3: Lots 5,6,11,12,13,14,15,16, that part of Tract #38  
lying in the E/2 Sec. 3, and that part of Tract #42  
lying in the SE/4 Sec. 3.
- ✓ Sec. 6: All Undivided 479.30 acres not committed - Tom Bolack)
- Sec. 7: E/2 Undivided 479.30 acres committed - El Paso Natural Gas Company)
- Sec. 17: W/2

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

El Paso Natural Gas Company	42.87043%
Phillips Petroleum Company	32.08529%
Southern Union Gas Company	25.04428%

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

080379  
078426  
078960  
078278

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

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

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

EXHIBIT "A"  
SECOND REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE FEBRUARY 1, 1953

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
Serial Number: Santa Fe 080379  
Lease Description: T 29N - R 6W  
Sec. 6: All  
Sec. 7: E/2  
Amount of Acreage: 958.60 Acres  
(479.30 Acres committed)  
Percentage of Participation: 42.87043%  
Royalty: U.S.A. 12.5% 5.35880%  
Operating Rights:  
El Paso Natural Gas Company 100%\* 37.51163%  
Bolack #1-A Well  
Bolack #2-A Well  
Bolack #3-A Well

\*Subject to a 5.0% overriding royalty not committed.

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T 29N - R 6W  
Sec. 17: SW $\frac{1}{4}$ , W $\frac{1}{2}$ NW $\frac{1}{4}$ , SE $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 280.00 Acres  
Percentage of Participation: 25.04428%  
Overriding Royalties: 4.0% 1.00177%  
Royalty: U.S.A. 12.5% 3.13054%  
Operating Rights:  
Southern Union Gas Company 100%\*\* 20.91197%\*\*  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

\*\*Subject to overriding royalty payment in favor of Western Natural Gas Company.

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078960  
Lease Description: T 29N - R 6W  
Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 40.00 Acres  
Percentage of Participation: 3.57775%  
Overriding Royalties: 4.0% .14311%  
Royalty: U.S.A. 12.5% .44722%  
Operating Rights:  
Phillips Petroleum Company 100% 2.98742%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

Tract #2 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078278  
Lease Description: T 29N - R 6W  
Sec. 3: Lots 13,14,15,16  
Amount of Acreage: 97.54 Acres  
Percentage of Participation: 8.72435%  
Overriding Royalties: 4.0%\*\*\* .34897%  
Royalty: U.S.A. 12.5% 1.09054%  
Operating Rights:  
Phillips Petroleum Company 100% 7.28484%  
San Juan 29-6 Mesa Well #1-3

Tract #19 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T 29N - R 6W

Sec. 3: Lots 5,6,11,12, & that part of Tract 38  
lying in the E $\frac{1}{2}$  Sec. 3

Amount of Acreage: 158.72 Acres

Percentage of Participation:

14.19653%

Overriding Royalties: 4.0%\*\*\*

.56786%

Royalty: Agapita Julianita Gomez y Gomez 12.5%

1.77457%

Operating Rights:

Phillips Petroleum Company 100%

11.85410%

San Juan 29-6 Mesa Well #1-3

Tract #20 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company

Lease Description: T 29N - R 6W

Sec. 3: That part of Tract #42 lying in the SE $\frac{1}{4}$  Sec. 3.

Amount of Acreage: 62.46 Acres

Percentage of Participation:

5.58666%

Overriding Royalties: 4.0%

.22347%

Royalty: Porter A. Smith & Bessie C. Smith 12.5%

.69833%

Operating Rights:

Phillips Petroleum Company 100%

4.66486%

San Juan 29-6 Mesa Well #1-3

EXHIBIT "B"  
SECOND REVISION MESAVEDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE FEBRUARY 1, 1953

Tract No.	SECOND REVISED PARTICIPATING AREA		WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER
	Area Acres	Committed Acres	Tract Participation	% Production	% of Production	% of Production	% Production	% of Production	
2	97.54	97.54	8.72435%	83.5%	7.28484%	12.5%	1.09054%	4.0%	Phillips Petroleum Company
5	280.00	280.00	25.04428%	83.5%	20.91197%	12.5%	3.13054%	4.0%	Southern Union Gas Company**
6	40.00	40.00	3.57775%	83.5%	2.98742%	12.5%	.44722%	4.0%	Phillips Petroleum Company
7	958.60	479.30	42.87043%	87.5% *	37.51163%	12.5%	5.35880%	-0-	Phillips Petroleum Company
8	158.72	158.72	14.19653%	83.5%	11.85410%	12.5%	1.77457%	4.0%	Phillips Petroleum Company
20	62.46	62.46	5.58666%	83.5%	4.66486%	12.5%	.69833%	4.0%	Phillips Petroleum Company
TOTALS 1,597.32		1,118.02	100.00000%		85.21482%	12.50000%		2.28518%	

TOTAL COMMITTED	
Fee Lands	Acres 221.18
Federal Lands	896.84
	1,118.02

TOTAL NET PERCENTAGE OF PARTICIPATION	
El Paso Natural Gas Company	37.51163%
Phillips Petroleum Company	26.79122%
Southern Union Gas Company	20.91197%
Royalty Owners	12.50000%
Overriding Royalty Owners	2.28518%
	100.00000%

\*Subject to a 5.0% overriding royalty not committed.  
\*\*Subject to overriding royalty payment in favor of Western Natural Gas Company.  
\*\*\*Total override committed by members of original Exhibit "B" to Unit Agreement as approved by Acting Director of United States Geological Survey on December 5, 1952.

K'S

Case 419

# PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA  
Suite 7, 316 So. Dewey Ave.

January 7, 1952

Re: San Juan 29-6 Unit  
Rio Arriba County,  
New Mexico

NOTICE OF DISCOVERY

JAN 12 1953

Director  
United States Geological Survey  
Department of the Interior  
Washington 25, D. C.

Dear Sir:

This letter supersedes prior correspondence in connection with captioned matter.

You are informed of a discovery of unitized substances in paying quantities upon the captioned approved unit in the following well located thereon:

Southern Union Gas Company's #1 ~~Wickens~~, Wickens located in the SW/4 Section 17, Township 29 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico.

This well was started on October 13, 1952 and completed on December 15, 1952. The well was drilled to a total depth of 6100'. The pay section in the Mesaverde formation was from 5423' to 6100' which was shot with 1,685 quarts of nitroglycerin.

This well was given a potential of 1,030 BOEPD on a six hour blow down test gauged with pitot tube on December 16, 1952, date of discovery.

The 320 acre drilling block upon which this well is located is committed to San Juan 29-6 Unit Agreement and pursuant to Section 11 of the Unit Agreement it is determined by Phillips Petroleum Company, Unit Operator, that this well is capable of producing unitized substances in paying quantities. You are advised this establishes the initial participating area of the 320 acres described as the W/2 of Section 17, Township 29 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico, for the Mesaverde formation.



January 7, 1952

We ask that you notify the Bureau of Land Management of your finding in this connection and would appreciate acknowledgement of this letter.

Yours very truly

PHILLIPS PETROLEUM COMPANY  
Unit Operator

By R. F. Rood  
R. F. ROOD

RFR:pw

cc: Commissioner of Public Lands  
Oil Conservation Commission of  
the State of New Mexico  
El Paso Natural Gas Company  
General American Oil Company of Texas  
Southern Union Gas Company  
Anderson Prichard Oil Corporation  
Three States Natural Gas Company  
Southern Petroleum Exploration, Inc.  
Stanolind Oil and Gas Company  
United States Smelting, Refining & Mining Co.  
Messrs. J. A. DeLany  
John A. Anderson  
A. M. Rippel  
L. E. Fitzjarrald  
D. C. Hensell  
G. L. Knight  
G. E. Benskin  
O. I. Jones  
Ralph A. Johnston  
Wm. G. Johnston  
R. E. Beamon

COPY FOR

SCHEDULE II  
FIRST REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE JANUARY 1, 1953

NEW MEXICO PRINCIPAL MERIDIAN  
Township 29 North, Range 6 West

Sec. 6: All (Undivided 319.30 acres committed - El Paso Natural Gas Company)  
(Undivided 319.30 acres not committed - Tom Bolack)  
Sec. 17: W/2

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

El Paso Natural Gas Company	49.945253%
Southern Union Gas Company	43.797904%
Phillips Petroleum Company	6.256843%

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

Santa Fe 078426  
Santa Fe 078960  
Santa Fe 080379

The United States of American 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 first revised participating area.

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

EXHIBIT "A"  
FIRST REVISION: ESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE JANUARY 1, 1953

Tract #11a in Exhibit "B" of Unit Agreement

Lessee: Tom Bolack  
Serial Number: Santa Fe 080379  
Lease Description: T 29N - R 6W  
                    Sec. 6: All  
Amount of Acreage: 638.60 Acres  
                    (319.30 acres committed)  
Percentage of Participation: 49.945253%  
Royalty: U.S.A. 12.5% 6.243157%  
Operating Rights:  
            El Paso Natural Gas Company 100%\* 43.702096%  
Bolack #1A Well  
Bolack #2A Well

\*Subject to a 5.0% overriding royalty not committed to San Juan 29-6 Unit.

Tract #5 in Exhibit "B" of Unit Agreement

Lessee: Southern Union Gas Company  
Serial Number: Santa Fe 078426  
Lease Description: T 29N - R 6W  
                    Sec. 17: SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 280.00 Acres  
Percentage of Participation: 43.797904%  
Overriding Royalties: 4.0% 1.751916%  
Royalty: U.S.A. 12.5% 5.474738%  
Operating Rights:  
            Southern Union Gas Company 100%\*\* 36.571250%\*\*  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

\*\*Subject to a sliding scale overriding royalty in favor of Western Natural Gas Company

Tract #6 in Exhibit "B" of Unit Agreement

Lessee: Phillips Petroleum Company  
Serial Number: Santa Fe 078960  
Lease Description: T 29N - R 6W  
                    Sec. 17: NE $\frac{1}{4}$ NW $\frac{1}{4}$   
Amount of Acreage: 40.00 Acres  
Percentage of Participation: 6.256843%  
Overriding Royalties: 4.0% .250274%  
Royalty: U.S.A. 12.5% .782105%  
Operating Rights:  
            Phillips Petroleum Company 100% 5.224464%  
San Juan 29-6 Mesa Well #4-17, formerly #1 Wickens

EXHIBIT "B"  
FIRST REVISION MESAVERDE PARTICIPATING AREA  
SAN JUAN 29-6 UNIT  
RIO ARriba COUNTY, NEW MEXICO  
EFFECTIVE JANUARY 1, 1953

INITIAL PARTICIPATING AREA			WORKING INTEREST PARTICIPATION		ROYALTY PARTICIPATION		ORRI PARTICIPATION		W. I. OWNER	
Tract No.	Area Acres	Committed Acres	Tract Participation	% of Production	% of Production	% of Production	% of Production			
5	280.00	280.00	43.797904%	83.500%	36.571250%	12.5%	5.474738%	4.00%	1.751916%	Southern Union Gas Company**
6	40.00	40.00	6.256843%	83.500%	5.224464%	12.5%	.782105%	4.00%	.250274%	Phillips Petroleum Company
11a	638.60	319.30	49.945253%	87.500%*	43.702096%	12.5%	6.243157%	-0-	-0-	El Paso Natural Gas Company
TOTALS	958.60	639.30	100.000000%		85.497810%		12.500000%		2.002190%	

TOTAL COMMITTED	
Federal Lands	Acres 639.30
	Percentage 100.000000%

TOTAL NET PERCENTAGE OF PARTICIPATION	
El Paso Natural Gas Company	43.702096%
Southern Union Gas Company	36.571250%
Phillips Petroleum Company	5.224464%
Royalty Owners	12.500000%
Overriding Royalty Owners	2.002190%
	100.000000%

\*Subject to a 5.0% overriding royalty not committed to San Juan 29-6 Unit.  
\*\*Subject to a sliding scale overriding royalty in favor of Western Natural Gas Company.