

EXHIBIT "B"  
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS  
INTERESTS IN ALL LANDS IN THE NORTHEAST BLANCO UNIT AGREEMENT

Tract No.	Description	No. of Acres	Santa Fe Serial No. and Lease Date	Land Owner & Percentage Of Royalty	Record Owner of Lease Or Application	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
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FEDERAL LANDS

T30N-R8W

1-A	Sec. 1, W/2 Sec. 12, NW/4 E/2 SW/4, NW/4 SW/4.	603.23	078581A 10-1-49	U.S.A. 12-1/2%	Ben R. Howell	None	El Paso Natural Gas Co. 87-1/2%
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T30N-R8W

1-B	Sec. 1, E/2 Sec. 12, E/2	641.17	078581 10-1-49	U.S.A. 12-1/2%	Maurice J. Florence P. M. McCulley	M. J. Florence 81% of 1/5 of 7/8 Dan W. Johnston 5% of 19% of 1/5 of 7/8 Wesley W. West 3% of 19% of 1/5 of 7/8 Betty Ann West Trust 7.5% of 19% of 1/5 of 7/8 James Wendell West Trust 7.5% of 19% of 1/5 of 7/8 Phil E. Davant 22.5% of 19% of 1/5 of 7/8 Hortense E. Davant 3.5% of 19% of 1/5 of 7/8 W. R. Archer 2% of 19% of 1/5 of 7/8 F. L. Tucker and G. E. Thompson 1% of 19% of 1/5 of 7/8 Harold D. Herndon 2-1/2% of 19% of 1/5 of 7/8 South Texas National Bank of Houston Texas, Trustee, Houston, Texas 3/4 of 1% of 19% of 1/5 of 7/8 Gladys D. Davis 3/4 of 1% of 19% of 1/5 of 7/8 Waters S. Davis, Jr. 1-1/2% of 19% of 1/5 of 7/8 Roy Rowntree 1/2 of 1% of 19% of 1/5 of 7/8	Delhi Oil Corp 67-1/2%
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1-B	(continued) <u>T30N-R8W</u>					Lewis R. Van Sant 1/2 of 1% of 1% of 1/5 of 7/8 Ralph A. Johnston 39.5% of 1% of 1/5 of 7/8 George R. Reese, Jr. 1% of 1% of 1/5 of 7/8 A. W. Ashley 1% of 1% of 1/5 of 7/8	
2-A	<u>T30N-R8W</u> Sec. 24, W/2	320	078615 3-1-48	U.S.A. 12-1/2%	Ben R. Howell Paul B. Horton	None	El Paso Natural Gas Co. 87-1/2%
2-B	<u>T30N-R8W</u> Sec. 24, E/2	320	078615 3-1-48	U.S.A. 12-1/2%	P.M. McCullley <del>Ben R. Howell</del> Paul B. Horton	M. J. Florance 81% of 1/5 of 7/8 Dan W. Johnston 5% of 1% of 1/5 of 7/8 Wesley W. West 3% of 1% of 1/5 of 7/8 Betty Ann West Trust 7.5% of 1% of 1/5 of 7/8 James Wendell West Trust 7.5% of 1% of 1/5 of 7/8 Phil E. Davant 22.5% of 1% of 1/5 of 7/8 Hortense E. Davant 3.5% of 1% of 1/5 of 7/8 W. R. Archer 2% of 1% of 1/5 of 7/8 F. L. Tucker and G. E. Thompson 1% of 1% of 1/5 of 7/8 Harold D. Herndon 2-1/2% of 1% of 1/5 of 7/8 So. Texas National Bank of Houston, Texas, Trustee 3/4 of 1% of 1% of 1/5 of 7/8 Gladys D. Davis 3/4 of 1% of 1% of 1/5 of 7/8	Delhi Oil Corp. 67-1/2%

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2-B	(continued) <u>T30N-R3W</u>						
3	<u>T30N-R8W</u> Sec. 13, S/2 SE/4	80.00	078699 App.	U.S.A. 12-1/2%	H. H. Phillips	None	H. H. Phillips 87-1/2%
4	<u>T31N-R6W</u> Sec. 18, N/2	320	078970 2-1-48	U.S.A. 12-1/2%	David L. Mills	None	<div> <div>Stanolind</div> <div>Blackwood &amp; Nichols Co.</div> <div>1/2 of 87-1/2%</div> <div>3/8 of 87-1/2%</div> <div>1/64 of 87-1/2%</div> </div>
5	<u>T31N-R6W</u> Sec. 6, S/2 Sec. 7, All Sec. 18, S/2 Sec. 19, All Sec. 20, All	2560	078988 7-1-48	U.S.A. 12-1/2%	A. M. Lloyd	<div> <div>Linda Nye 1-1/2%</div> <div>Hugh C. Alexander Jr.</div> <div>250/2048 of 1%</div> <div>J. M. Sloan 125/2048 of 1%</div> <div>C. S. Wallace 125/2048 of 1%</div> <div>E. W. Ingram 100/2048 of 1%</div> <div>Waters S. Davis, Jr.</div> <div>50,000/2,027,508 of 1-1/4%</div> <div>Gladys D. Davis</div> <div>25,000/2,027,508 of 1-1/4%</div> <div>South Texas National Bank, Trustee</div> <div>25,000/2,027,508 of 1-1/4%</div> <div>L. A. Nordan</div> <div>100,000/2,027,508 of 1-1/4%</div> <div>Ralph A. Johnston 6216/20480 of 1%</div> </div>	<div> <div>Stanolind</div> <div>Blackwood &amp; Nichols Co.</div> <div>1/2 of 85%</div> <div>3/8 of 85%</div> <div>1/64 of 85%</div> </div>

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5	(continued) <u>T31N-R6W</u>					R. E. Beamon 3691/20480 of 1% Dan W. Johnston 1/10 of 1%	
6-A	<u>T30N-R7W</u> Sec. 3, Lots 5, 6, S/2 NE/4, SE/4 Sec. 10, W/2	638.75	079001 11-1-49	U.S.A. 12-1/2%	C. C. Peters	M. J. Florence 81% of 1/5 of 7/8 Dan W. Johnston 1/4 of 1% T. J. Ahern 75,000/223,442 of 1% J. P. Davis 10,000/223,442 of 1% Mary J. Wagner 5,000/223,442 of 1% Wilbur E. Hess 36,000/223,442 of 1% Douglas E. Johnston 9,000/223,442 of 1% Wilbur H. Frederking 9,000/223,442 of 1% Dr. Charles S. Alexander 9,000/223,442 of 1% Raybourne Thompson 26,250/223,442 of 1% E. W. Ingram 20,750/223,442 of 1% 42,500/2,793,028 of 1-1/4% Ralph A. Johnston 605,489/1,787,536 of 1% Wm. G. Johnston 605,489/1,787,536 of 1% R. E. Beamon III 150,000/2,793,028 of 1-1/4% Waters S. Davis, Jr. 50,000/2,027,508 of 1-1/4% Gladys D. Davis 25,000/2,027,508 of 1-1/4% So. Texas National Bank, Trustee 25,000/2,027,508 of 1-1/4% L. A. Nordan 100,000/2,027,508 of 1-1/4% R. E. Beamon 9592/20480 of 1%	Delhi Oil Corp. 60%

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6-B	<u>T30N-R7W</u>						
	Sec. 3, Lots 7, 8, S/2 NW/4, SW/4	639.13	079001-A 11-1-49	U.S.A. 12-1/2%	Ben R. Howell	Dan W. Johnston 1/4 of 1% T. J. Ahern 75,000/223,442 of 1% J. P. Davis 10,000/223,442 of 1% Mary J. Wagner 5,000/223,442 of 1% Wilbur E. Hess 36,000/223,442 of 1% Douglas E. Johnston 9,000/223,442 of 1% Wilbur H. Frederick 9,000/223,442 of 1% Dr. Charles S. Alexander 9,000/223,442 of 1% Raybourne Thompson 26,250/223,442 of 1% E. W. Ingram 20,750/223,442 of 1% 42,500/2,793,028 of 1-1/4% Ralph A. Johnston 605,489/1,787,536 of 1% Wm. G. Johnston 605,489/1,787,536 of 1% R. E. Beamon III 150,000/2,793,028 of 1-1/4% Waters S. Davis, Jr. 50,000/2,027,508 of 1-1/4% Gladys D. Davis 25,000/2,027,508 of 1-1/4% South Texas National Bank, Trustee 25,000/2,027,508 of 1-1/4% L. A. Nordan 100,000/2,027,508 of 1-1/4% R. E. Beamon 9592/20480 of 1%	El Paso Natural Gas Co. 85%
	Sec. 10, E/2						

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7	<u>T31N-R7W</u>	2560	079003 7-1-48	U.S.A. 12-1/2%	Patricia A. Seymour	Dan W. Johnston 1/4 of 1% T. J. Ahern 75,000/223,442 of 1% J. P. Davis 10,000/223,442 of 1% Mary J. Wagner 5,000/223,442 of 1% Wilbur E. Hess 36,000/223,442 of 1% Douglas E. Johnston 9,000/223,442 of 1% Wilbur H. Frederick 9,000/223,442 of 1% Dr. Charles S. Alexander 9,000/223,442 of 1% Raybourne Thompson 26,250/223,442 of 1% E. W. Ingram 20,750/223,442 of 1% 42,500/2,793,028 of 1-1/4% Ralph A. Johnston 605,489/1,787,536 of 1% Wm. G. Johnston 605,489/1,787,536 of 1% R. E. Beamon III 150,000/2,793,028 of 1-1/4% Waters S. Davis, Jr. 50,000/2,027,508 of 1-1/4% Gladys D. Davis 25,000/2,027,508 of 1-1/4% South Texas National Bank, Trustee 25,000/2,027,508 of 1-1/4% L. A. Nordan 100,000/2,027,508 of 1-1/4% R. E. Beamon 9592/20480 of 1%	Stanolind Blackwood & Nichols Co. 3/8 of 85% Nelson & Edward Morris Ltd 7/64 of 85% A. M. Lloyd 1/64 of 85%
	Sec. 22, All						
	Sec. 27, All						
	Sec. 34, All						
	Sec. 35, All						
8-A	<u>T31N-R7W</u> Sec. 25, NE/4, NW/4, S/2 SE/4	520	079010 7-1-48	U.S.A. 12-1/2%	D. A. McPherson	D. A. McPherson 2-1/2%	Stanolind Blackwood & Nichols Co. 3/8 of 85% Nelson & Edward Morris Ltd 7/64 of 85% A. M. Lloyd 1/64 of 85%

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8-B	<u>T31N-R7W</u>						
	Sec. 23, All	2040	079010	U.S.A. 12-1/2%	D. A. MacPherson	Dan W. Johnston 1/4 of 1%	Stanolind 1/2 of 85%
	Sec. 24, All		7-1-48			T. J. Ahern	Blackwood & Nichols Co. 3/8 of 85%
	Sec. 25, N/2 NW/4, SW/4 NW/4					75,000/223,442 of 1%	Nelson & Edward Morris Ltd 7/64 of 85%
	Sec. 26, All					J. P. Davis	A. M. Lloyd 1/64 of 85%
						10,000/223,442 of 1%	
						Mary J. Wagner	
						5,000/223,442 of 1%	
						Wilbur E. Hess	
						36,000/223,442 of 1%	
						Douglas E. Johnston	
						9,000/223,442 of 1%	
						Wilbur H. Frederick	
						9,000/223,442 of 1%	
						Dr. Charles S. Alexander	
						9,000/223,442 of 1%	
						Raybourne Thompson	
						26,250/223,442 of 1%	
						E. W. Ingram 20,750/223,442 of 1%	
						42,500/2,793,028 of 1-1/4%	
						Ralph A. Johnston	
						605,489/1,787,536 of 1%	
						Wm. G. Johnston	
						605,489/1,787,536 of 1%	
						R. E. Beamon III	
						150,000/2,793,028 of 1-1/4%	
						Waters S. Davis, Jr.	
						50,000/2,027,508 of 1-1/4%	
						Gladys D. Davis	
						25,000/2,027,508 of 1-1/4%	
						South Texas National Bank, Trustee	
						25,000/2,027,508 of 1-1/4%	
						L. A. Nordan	
						100,000/2,027,508 of 1-1/4%	
						R. E. Beamon 9592/20480 of 1%	

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9	T30N-R7W Sec. 5, Sec. 6,  All Lots 8,9,10,11, 12,13,14,15,16, 17,18,19,20,21, SE/4 NW/4, NE/4 SW/4. Sec. 7, Lots 5,6,7,8,9, 12,13,14,15,16, E/2 NE/4 Sec. 8, Lots 1,2,3, E/2, NW/4.	1779.91	079042 5-1-51	U.S.A. 12-1/2%	Horace F. McKay	Horace F. McKay 2-1/2%	Stanolind Blackwood & Nichols Co. Nelson & Edward Morris Ltd A. M. Lloyd 1/2 of 85% 3/8 of 85% 7/64 of 85% 1/64 of 85%
10	T31N-E7W Sec. 28, Sec. 31, Sec. 33,  All Lots 6,9,10,13, All.  T30N-R7W Sec. 4, Sec. 9, N/2, W/2 SW/4	2314.56	079043 4-1-51	U.S.A. 12-1/2%	Horace F. McKay, Jr.	Horace F. McKay 2-1/2%	Stanolind Blackwood & Nichols Co. Nelson & Edward Morris Ltd A. M. Lloyd 1/2 of 85% 3/8 of 85% 7/64 of 85% 1/64 of 85%
11	T31N-R7W Sec. 20, Sec. 21, Sec. 29, Sec. 30,  E/2, E/2 W/2, 2056.12 W/2 SW/4 All All Lots 7,8,11,12, W/2 NE/4, SE/4 NE/4	079045 4-1-51	U.S.A. 12-1/2%	Jack M. Akin	Jack M. Akin 2-1/2%	Stanolind Blackwood & Nichols Co. Nelson & Edward Morris Ltd A. M. Lloyd 1/2 of 85% 3/8 of 85% 7/64 of 85% 1/64 of 85%	
12	T30N-R7W Sec. 19, E/2 SW/4	103.60	079053 10-1-49	U.S.A. 12-1/2%	Mary C. Hagood	None	Phillips Petroleum Co. 87-1/2%
13	T30N-R7W Sec. 9, Sec. 17, Sec. 19, Sec. 20, Sec. 21, Sec. 22, Sec. 29, SE/4, E/2 SW/4 2236.44 N/2 NE/4, SE/4 NE/4, E/2 SW/4 9-1-48 Lots 10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000	U.S.A. 12-1/2%	A. M. Lloyd	W. B. Collins 2-1/2%	Stanolind Blackwood & Nichols Co. Nelson & Edward Morris Ltd A. M. Lloyd 1/2 of 85% 3/8 of 85% 7/64 of 85% 1/64 of 85%		

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14	<u>T30N-R7W</u> Sec. 18, Lots 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, E/2 W/2	371.07	079073 4-1-51	U.S.A. 12-1/2%	Charles B. Gonsales	Charles B. Gonsales 2-1/2%	Stanolind Blackwood & Nichols Co. Nelson & Edward Morris Ltd A. M. Lloyd 1/2 of 85% 3/8 of 85% 7/64 of 85% 1/64 of 85%
15	<u>T30N-R7W</u> Sec. 17, Sec. 20, Sec. 22, Lots 6, 7, 8, Lots 1 and 2 SW/4 SW/4	173.12	079074 App.	U.S.A. 12-1/2%	T. H. McElvain	None	T. H. McElvain 87-1/2%
16-A	<u>T31N-R7W</u> Sec. 19, Sec. 30, Sec. 31, Lots 5, 6, 7, 8, Lots 5, 6, 9, 10, E/2 W/2 Lots 5, 7, 8, 11, 12, 14, E/2 W/2	1022.45	079082 4-1-51	U.S.A. 12-1/2%	Eleanor B. Scott	Eleanor B. Scott 2-1/2%	Stanolind Blackwood & Nichols Co. Nelson & Edward Morris Ltd A. M. Lloyd 1/2 of 85% 3/8 of 85% 7/64 of 85% 1/64 of 85%
	<u>T31N-R8W</u> Sec. 25, N/2, SW/4						
	<u>T30N-R7W</u> Sec. 17, Sec. 18, Lots 1, 3, 4 SW/4 NE/4						
16-B	<u>T31N-R8W</u> Sec. 25, SE/4	211.62	079082 4-1-51	U.S.A. 12-1/2%	Eleanor B. Scott	None	Eleanor B. Scott (Brookhaven Oil Co.) 87-1/2%
	<u>T30N-R7W</u> Sec. 17, Lots 2, 5,						
17	<u>T30N-R8W</u> Sec. 13, SW/4 NW/4, W/2 SW/4, SE/4 SW/4	160.00	079511 9-1-49	U.S.A. 12-1/2%	Paul D. Lindsey Ben R. Howell	Hazel Bolack 2%	El Paso Natural Gas Co. 85-1/2%

Tract No.	Description	No. of Acres	Santa Fe Serial No. and Lease Date	Land Owner & Percentage Of Royalty	Record Owner of Lease Or Application	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
18	<u>T31N-R7W</u> Sec. 19, W/2 E/2, E/2 W/2	320	080557 9-1-48	U.S.A. 12-1/2%	W. B. Collins	W. B. Collins 2-1/2%	Stanolind Blackwood & Nichols Co. 1/2 of 85% Nelson & Edward Morris Ltd. 3/8 of 85% A. M. Lloyd 7/64 of 85%
19	<u>T31N-R7W</u> Sec. 14, W/2 W/2, SE/4 NW/4	840	N.M. 03356 4-1-48	U.S.A. 12-1/2%	A. M. Lloyd 1/4 F. G. Blackwood 3/4	John E. Wells 5%	Blackwood & Nichols Co. 3/4 of 82-1/2% Nelson & Edward Morris Ltd. 7/32 of 82-1/2% A. M. Lloyd 1/32 of 82-1/2%
20	<u>T31N-R6W</u> Sec. 30, All	640	N.M. 03357 2-1-49	U.S.A. 12-1/2%	A. M. Lloyd 1/4 F. G. Blackwood 3/4	C. S. Page 5%	Blackwood & Nichols Co. 3/4 of 82-1/2% Nelson & Edward Morris Ltd. 7/32 of 82-1/2% A. M. Lloyd 1/32 of 82-1/2%
21-A	<u>T31N-R7W</u> Sec. 1, Lots 6,7,8, E/2 SE/4	2396.77	N.M. 03358 8-1-48	U.S.A. 12-1/2%	A. M. Lloyd 1/4 F. G. Blackwood 3/4	Katherine Martin 5%	Blackwood & Nichols Co. 3/4 of 82-1/2% Nelson & Edward Morris Ltd. 7/32 of 82-1/2% A. M. Lloyd 1/32 of 82-1/2%
	Sec. 10, S/2						
	Sec. 11, N/2, N/2 SW/4, SW/4						
	Sec. 12, E/2, S/2 NW/4, E/2 SW/4,						
	Sec. 13, All						
	Sec. 14, E/2, E/2 SW/4.						
21-B	<u>T31N-R6W</u> Sec. 6, Lots 8,9,10,11.	31.89	N.M. 03358 6-1-51	U.S.A. 12-1/2%	A. M. Lloyd Frank L. Wood	None	Blackwood & Nichols Co. 3/4 of 87-1/2% Nelson & Edward Morris Ltd. 7/32 of 87-1/2% A. M. Lloyd 1/32 of 87-1/2%
22	<u>T30N-R7W</u> Sec. 19, Lots 5,6,7, 8 and 9. E/2 NW/4.	166.76	N.M. 03845 App.	U.S.A. 12-1/2%	Albert M. Senter, Jr.	None	Blackwood & Nichols Co. 3/4 of 87-1/2% Nelson & Edward Morris Ltd. 7/32 of 87-1/2% A. M. Lloyd 1/32 of 87-1/2%
23	<u>T31N-R7W</u> Sec. 1, Lot 5	10.31	N.M. 04434 App. 2/1/52	U.S.A. 12-1/2%	Earl M. Cranston	None	Earl M. Cranston 87-1/2%

Percentage of Unit Area Consisting of Federal Lease Acreage - 26,076.90  
79.04%  
- 10 -

Tract No.	Description	No. of Acres	New Mexico State Lease No. and Lease Date	Land Owner & Percentage Of Royalty	Record Owner of Lease Application	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
<u>STATE LANDS</u>							
<u>T31N-R7W</u>							
<u>Section 16</u>							
24	<u>N/2 NE/4, NE/4 NW/4, NE/4 SW/4, SE/4</u>	320	E-3150 12-10-49	State 12-1/2%	John Burroughs	None	El Paso Natural Gas Co. 87-1/2%
25	SW/4 NE/4	40	E-3707 7-6-50	State 12-1/2%	H. C. Wynne	Charles B. Gonzales 1-1/4 W. W. Moyer 1-1/4 Ella B. Comstock 1-1/4 William Duncan 1-1/4	H. C. Wynne 82-1/2%
26	W/2 W/2	160	E-178-1 2-13-45	State 12-1/2%	Stanolind	None	Stanolind 1/2 of 87-1/2% Blackwood & Nichols Co. 3/8 of 87-1/2% Nelson&Edward Morris Ltd. 7/64 of 87-1/2% A.M.Lloyd 1/64 of 87-1/2%
27	SE/4 NE/4, SE/4 NW/4, SE/4 SW/4	120		State	Unleased		
28	<u>Section 32</u> <u>E/2</u>	320	E-178-1 2-13-45	State 12-1/2%	Stanolind	None	Stanolind 1/2 of 87-1/2% Blackwood & Nichols Co. 3/8 of 87-1/2% Nelson&Edward Morris Ltd. 7/64 of 87-1/2% A. M. Lloyd 1/64 of 87-1/2%
29	NE/4 NW/4	40	E-3948-1 8-2-50	State 12-1/2%	Edward J. and James E. Haag	None	Edward J. and James E. Haag 87-1/2%
30	SE/4 NW/4, NE/4 SW/4	80	E-292-3 5-2-45	State 12-1/2%	Francis L. Harvey	Francis L. Harvey 5%	Hawley M. Kilpatrick 82-1/2%
31	Lots 1, 2, & 3	44.79	E-453-4 7-16-45	State 12-1/2%	Gulf Oil Corp.	None	Gulf Oil Corp. 87-1/2%
32	Lot 4, SE/4 SW/4	68.32	E-11125-30 3-21-44	State 12-1/2%	A. M. Lloyd	Oran G. Lewin 5%	A. M. Lloyd 82-1/2%
33	<u>Section 36</u> <u>All</u>	640	E-505-1 8-21-45	State 12-1/2%	Three States Natural Gas Co.	None	Three States Natural Gas Co. 87-1/2%

Tract No.	Description	No. of Acres	New Mexico State Lease No. and Lease Date	Land Owner & Percentage Of Royalty	Record Owner of Lease Or Application	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
T 30N-R7W							
Section 2							
34	NE/4	160	E-289-3 5-2-45	State 12-1/2%	Southern Petroleum Exploration, Inc.	None	Southern Petroleum Exploration, Inc. 87-1/2%
35	E/2 NW/4	80	E-289-6 5-2-45	State 12-1/2%	Malco Refineries, Inc.	None	Hawley M. Kilpatrick 87-1/2%
36	W/2 NW/4, S/2	400	E-289-9 5-2-45	State 12-1/2%	Francis L. Harvey	Francis L. Harvey 5%	Hawley M. Kilpatrick 82-1/2%
Section 16							
37	NE/4	160	B-10603-13 9-8-43	State 12-1/2%	Charles B. Gonsales	None	Charles B. Gonsales 87-1/2%
38	W/2	320	E-178-1 2-13-45	State 12-1/2%	Stanolind	None	Stanolind 1/2 of 87-1/2% Blackwood & Nichols Co. 3/8 of 87-1/2% Nelson&Edward Morris Ltd. 7/64 of 87-1/2% A. M. Lloyd 1/64 of 87-1/2% Charles R. Turner 87-1/2%
39	W/2 SE/4	80	B-10603-11 9-8-43	State 12-1/2%	Oscar W. Schaefer	None	Elmer A. Miller 87-1/2%
40	E/2 SE/4	80	B-10603-15 9-8-43	State 12-1/2%	Elmer A. Miller	None	Elmer A. Miller 87-1/2%
T 31N-R8W							
Section 36							
41	S/2 NE/4, SE/4 NW/4, N/2 SW/4, SW/4 SE/4, NE/4 SE/4	280	E-3150 12-10-49	State 12-1/2%	John Burroughs	None	El Paso Natural Gas Company 87-1/2%
42	S/2 SW/4	80	E-3707 7-6-50	State 12-1/2%	H. C. Wynne	Charles B. Gonsales 1-1/4% W. W. Moyer 1-1/4% Ella B. Comstock 1-1/4% Lillian Duncan 1-1/4%	H. C. Wynne 82-1/2%
43	SW/4 NW/4, NW/4 SE/4	80	E-3707-1 7-6-50	State 12-1/2%	H. C. Wynne	Charles B. Gonsales 1-1/4% W. W. Moyer 1-1/4% Ella B. Comstock 1-1/4% Lillian Duncan 1-1/4%	H. C. Wynne 82-1/2%

Tract No.	Description	No. of Acres	New Mexico State Lease No. and Lease Date	Land Owner & Percentage Of Royalty	Record Owner of Lease Or Application	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
<u>T31N-R8W</u>							
<u>Section 36</u>							
44	SE/4 SE/4	40	E-292-3 5-2-45	State 12-1/2%	Francis L. Harvey	Francis L. Harvey 5%	Hawley M. Kilpatrick 82-1/2%
45	N/2 N/2	160		State	Unleased		

Percentage of Unit Area Consisting of State Lease Acreage - 11.38%  
Total State Acreage - 3,753.11

Tract No	Description	No. of Acres	Land Owner & Percentage Of Royalty	Record Owner of Lease & Expiration Date	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
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PATENTED LANDS

T31N-R7W

46	Sec. 11, SE/4, SE/4 SW/4 Sec. 12, W/2 SW/4 Sec. 14, NE/4 NW/4	320	Thomas B. Scott, Jr. 1/2 of 12-1/2% Forrest Miller 15/32 of 12-1/2% Harold Payne 1/32 of 12-1/2%	Thomas B. Scott, Jr. 2-24-52		Thomas B. Scott, Jr. 87-1/2%
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47	Sec. 1, SW/4, W/2 SE/4 Sec. 12, N/2 NW/4	320	Orbet R. Mullen 12-1/2%	Stanolind 6-15-53		
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48	Sec. 9, S/2	320	Paul Sidney Rea 12-1/2%	Stanolind 12-12-57		
49	Sec. 19, NE/4 NE/4	40	Ben Case 6-1/4% W. R. Childers 6-1/4%	Stanolind 11-7-57		

Stanolind  
Blackwood & Nichols Co. 1/2 of 87-1/2%  
Nelson & Edward Morris Ltd 3/8 of 87-1/2%  
A. M. Lloyd 7/64 of 87-1/2%  
1/64 of 87-1/2%

50	Sec. 19, SE/4 NE/4, NE/4 SE/4	80	Horace F. McKay, Jr. 12-1/2%	Stanolind 12-9-57		
51	Sec. 19, SE/4 SE/4 Sec. 30, NE/4 NE/4	80	Juan L. Lucero 12-1/2%	Stanolind 1-13-57		
52	Sec. 20, W/2 NW/4	80	Marcello D. Lucero 12-1/2%	Stanolind 11-13-57		
53	Sec. 31, West 70 acres in W/2 NE/4, being a part * of Tract 51	70	Ben Case 6-1/4% W. R. Childers 6-1/4%	Stanolind 1-23-58		
54	Sec. 31, SE/4 NE/4, NE/4 SE/4; * 5 acres on the East side of SW/4 NE/4; 5 acres on the East Side of NW/4 NE/4, <del>and</del> being a part of Tract 51 in Sec. 31 & 32.	90	S. M. Lucero 6-1/4% C. H. Nye 6-1/4%	Stanolind 11-10-57		

\*Refers to description by original survey, followed by description by re-survey underlined.

Tract No.	Description	No. of Acres	Land Owner & Percentage Of Royalty	Record Owner of Lease & Expiration date	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement Operating Agreement or Assignment & Percentage of Interest
55	<u>T31N-R7W</u> Sec. 30, * <u>40 acres in the center of the SE/4, being North 40 acres of Tract 49</u>	174	Ramon M. Lucero 12-1/2%	Stanolind 11-12-57		
	<u>T30N-R7W</u> Sec. 7, * <u>E/2 NW/4, being part of Tract 40</u>					
	Sec. 6, * <u>NW/4 SE/4, South 14 acres of the SW/4 NE/4, being South part of Tract 39</u>					
56	<u>T31N-R-7W</u> Sec. 30 * <u>40 acres in the S/2 SE/4, being the South half of Tract 49 in Sec. 30 and 31;</u>	113	S. M. Lucero 12-1/2%	Stanolind 11-10-57		
	Sec. 31 * <u>NE/4 NE/4, being Tract 50 located in Sec. 31 and 32;</u>					
	Sec. 31 * <u>SW/4 SE/4, being Tract 52;</u>					
	<u>T30N-R7W</u> Sec. 6, * <u>North 13 acres of NW/4 NE/4, being part of Tract 39.</u>					
57	<u>T30N-R7W</u> Sec. 6, * <u>South 27 acres of NW/4 NE/4 and North 26 acres of SW/4 NE/4, being part of Tract 39.</u>	53	Camillo Martinez 12-1/2%	Stanolind 11-10-57		

Stanolind  
Blackwood & Nichols Co. 1/2 of 87-1/2%  
Nelson & Edward Morris Ltd 3/8 of 87-1/2%  
A. M. Lloyd 1/64 of 87-1/2%

\* Refers to description by original survey, followed by description by re-survey underlined.

Tract No.	Description	No. of Acres	Land Owner & No. of Percentage Of Royalty	Record Owner of Lease & Expiration Date	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
58	<u>T3ON-R7W</u> Sec. 7, * <u>Lots 10 and 11</u>	21.39	Manuel A. Lucero 12-1/2%	Stanolind 11-17-57		
59	Sec. 7, * <u>S/2 NE/4 SW/4, being the South 20 acres of Tract 40</u>	140	Santiago Velasquez 6-1/4% C. H. Nye 6-1/4%	Stanolind 11-17-57		
	Sec. 7 and 8, * <u>East 80 acres of Tract 41</u>					
	Sec. 8, * <u>North 40 acres of Tract 42</u>					
60	Sec. 6, * <u>N/2 SE/4 SW/4, being North 20 acres of Tract 40</u>	140	Simon Velasquez 12-1/2%	Stanolind 11-10-57		
	Sec. 7 and 18, * <u>80 acres in West part of Tract 41</u>					
	Sec. 8 and 17, * <u>SW/4 SW/4, being part of Tract 42</u>					
61	Sec. 17, * <u>S/2 NW/4, N/2 SW/4, being Tracts 43 and 44.</u>	160	Ramon M. Lucero 12-1/2%	Stanolind 11-12-57		
62	Sec. 17, * <u>NW/4 NW/4, NE/4 NE/4, being part of Tract 42</u>	80	Simon Velasquez 12-1/2%	Stanolind 11-10-57		
63	Sec. 18 and 17, * <u>S/2 SE/4, NW/4, SE/4 being part of Tract 45</u>	120	Saul A. Yager 3-1/8% Marian Yager 3-1/8% M. Miguel et al 3-1/8% M. E. Gimp	Stanolind 9-1-53		
64	<u>T3ON-R7W</u> Sec. 19, * <u>W/2 NE/4, being Tract 46</u>	80	Silviano M. Lucero 12-1/2%	Stanolind 11-10-57		

Stanolind  
Blackwood & Nichols Co. 1/2 of 87-1/2%  
Nelson & Edward Morris Ltd 3/8 of 87-1/2%  
A. M. Lloyd 1/64 of 87-1/2%

\* Refers to description by original survey, followed by description by re-survey underlined



Tract No.	Description	No. of Acres	Land Owner & Percentage Of Royalty	Record Owner of Lease & Expiration Date	Overriding Royalty Owner & Percentage	Working Interest Owner Under Option Agreement Operating Agreement or Assignment & Percentage of Interest
65	<u>T30N-R7W</u> Sec. 19 and 20, NE/4 NE/4, <u>being part of Tract 45</u> *	40	Saul A. Yager 3-1/8% Marian Yager 3-1/8% M. Migel 3-1/8% M. E. Gimp 3-1/8%	Stanolind 9-1-53	<div> <div>Stanolind</div> <div>Blackwood &amp; Nichols Co.</div> <div>Nelson &amp; Edward Morris Ltd</div> <div>A. M. Lloyd</div> </div>	1/2 of 87-1/2% 3/8 of 87-1/2% 7/64 of 87-1/2% 1/64 of 87-1/2%
66	Sec. 4, E/2 SW/4	80	Florence Owens	A. M. Lloyd 6-16-56	A. M. Lloyd	87-1/2%
67	Sec. 4, W/2 SW/4	80	Saul Yager 1/4 Marian Yager 1/4 M. Migel 1/4 M. E. Gimp 1/4	Unleased		
68	Sec. 6, S/2 SE/4 SW/4 Sec. 7, N/2 NE/4 SW/4, <u>being part of Tract 40</u> *	40	H. B. Sammons 1/2 C. C. Culpepper 1/2	Unleased		
69	<u>T30N-R8W</u> Sec. 13, The East 18.85 acres of the NE/4	18.85	Ben Case 6-1/4% W. R. Childers 6-1/4%	Stanolind 12-15-57	<div> <div>Stanolind</div> <div>Blackwood &amp; Nichols Co.</div> <div>Nelson &amp; Edward Morris Ltd</div> <div>A. M. Lloyd</div> </div>	1/2 of 87-1/2% 3/8 of 87-1/2% 7/64 of 87-1/2% 1/64 of 87-1/2%
70	Sec. 13, The West 65.55 acres of the NE/4; NE/4 SE/4 except the West 100 ft. thereof and except 2 acres in SW corner of NE/4 SE/4; and East 20 acres of the NW/4 SE/4.	120.15	Simon Velasquez 12-1/2%	Stanolind 11-17-57		
71	Sec. 13, 3.4 acres out of W/2 NW/4 SE/4 and the west 100 ft. of NE/4 SE/4	6.80	Manuel E. Martinez	Unleased		

\* Refers to description by original survey, followed by description by re-survey underlined.

Tract No.	Description	No. of Acres	Land Owner & Percentage Of Royalty	Record Owner of Lease & Expiration Date	Overriding Royalty Owner & Percentage	Working Interest Owner, Under Option Agreement, Operating Agreement or Assignment & Percentage of Interest
72	<u>T30N-R8W</u> Sec. 13, 2 acres in SW corner of NE/4 SE/4	2.00	Tonita Martinez	Unleased		
73	Sec. 13, West 61.15 acres of E/2 NE/4 and East 14.45 acres of W/2 NE/4	75.60	Edward V. Long	Unleased		
74	Sec. 13, E/2 NW/4, NE/4 SW/4 West 10 acres of NW/4 SE/4, and 6.4 acres out of W/2 NW/4 SE/4, and 20 acres in SW corner of NW/4 NW/4	156.6	Elvin Lewis Charles McCarty A. H. Andrews	Unleased		
75	Sec. 12, SW/4 SW/4 Sec. 13, 20 acres in NW corner of NW/4 NW/4	60	M. J. Florence	Delhi Oil Corp. 8-17-57	M. J. Florence 1/5 of 7/8	Delhi Oil Corp. 70%

Total Patented Acreage - 20 ac = 3,161.39  
Percentage of Unit Area Consisting of Patented Lease Acreage - 9.58%

# RECAPITULATION

<u>Land</u>	<u>Acres in Unit</u>	<u>Percentage of Unit Area</u>
Federal	26,076.90	79.04
State	3,753.11	11.38
Patented	<u>3,161.39</u>	<u>9.58</u>
Total of Unit Area	<u>32,991.40</u>	<u>100.00%</u>

RECEIVED

DEC 27 1951

RATIFICATION AND JOINDER OF UNIT AGREEMENT

LAURENCE HUMPHREY  
NOTARY PUBLIC  
DALLAS, TEXAS

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

Name C. C. Peters  
Address \_\_\_\_\_  
\_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_

DESCRIPTION

**Exhibit "B" - Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in all Lands in the Northeast Blanco Unit Agreement**

**Tract No. 6-A - Sec. 3, Lots 5, 6, S/2 NE/4, SE/4 and Sec. 10, N/2, T. 38 N., R. 7 W., containing 638.75 acres, bearing Serial No. 27-279001, lease dated 11-3-49.**

**Land Owner and Percentage of Royalty:  
U.S.A. - 10%**

**Record Owner: C. C. Peters**

STATE OF TEXAS )  
COUNTY OF DALLAS )

On this 20<sup>th</sup> day of December, 1951, before me personally appeared C. C. Peters to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 20<sup>th</sup> day of December, 1951.

My Commission expires: 6-1-53.

Laurence Humphrey  
Notary Public

RECEIVED

DEC 20 1951

NOTARY PUBLIC  
LOUISIANA, NEW MEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name P. M. McCulley  
Address 441 Longleaf Road  
Shreveport, Louisiana

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

**Exhibit "B" - Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in all Lands in the Northeast Blanco Unit Agreement**

**Tract 2-3 - Sec. 24, 3/2, T. 36 N., R. 8 W., containing 320 acres, bearing Survey No. 27-078613, lease dated 3-1-48**

**Lease Owner and Percentage of Royalty:**  
**U.S.A. - 100%**

**Record Owner: P. M. McCulley**  
**Paul B. Horton**

STATE OF Louisiana )  
COUNTY OF Caddo Parish )

On this 13 day of December, 1951, before me personally appeared P. M. McCulley to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 13 day of December, 1951.

My Commission expires: Life

J. R. Anderson  
Notary Public

RECEIVED

DEC 20 1951

U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name P. M. McCullay  
Address 441 Longleaf Road  
Shreveport, Louisiana

**Exhibit "B" - Schedule Showing the Percentage and Kind of Ownership of Oil and Gas Interests in all Lands in the Northeast Blanco Unit Agreement**

Name \_\_\_\_\_  
Address \_\_\_\_\_

**Tract 1-3 - Sec. 1, E/2 and Sec. 12, E/2, T. 30 N., R. 8 W., containing 64.17 acres, bearing Serial No. 67-07652, issue dated 10-1-49**

Name \_\_\_\_\_  
Address \_\_\_\_\_

**Land Owner and Percentage of Royalty:  
U. S. A. - 10%**

Name \_\_\_\_\_  
Address \_\_\_\_\_

**Resent Owner: P. M. McCullay  
Maurice J. Florence**

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF Louisiana )

COUNTY OF Caddo Parish )

On this 13th day of December, 1951, before me personally appeared P. M. McCullay to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 13 day of December, 1951.

My Commission expires: Life

[Signature]  
Notary Public

JAN 14 1952  
U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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SIGNATURES AND ADDRESSES

DESCRIPTION

Name R. E. Beamon  
Address 1453 Esperson Bldg  
Houston, Texas

**Tracts 1-B, 2-B, 5, 6-A, 6-B, 7, 8-B, 19, 20 and 21-A as they are described in said Unit Agreement.**

Name Carroll W. Beamon  
Address 1453 Esperson Bldg  
Houston, Texas

Name R. E. Beamon III  
Address 1453 Esperson Bldg  
Houston, Texas

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF TEXAS }  
COUNTY OF HARRIS } ss.

On this 7th day of January, 1952, before me personally appeared R. E. Beamon III,  
a single man to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as  
his free act and deed.

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

Betty Meade  
Notary Public

My Commission Expires:

6-1-53

BETTY MEADE  
Notary Public and Secretary of the County of Harris, Texas

RECORDED

JAN 14 1952

U. S. GEOLOGICAL SURVEY  
SHELTON, NEW MEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name Douglas E. Johnston  
Address 617 First Nat'l Bank Bldg.,  
Houston, Texas

Tracts 6-A, 6-B, 7 and 8-B as they are described in said Unit Agreement.

Name Barbara E. Johnston  
Address 617 First Nat'l Bank Bldg.,  
Houston, Texas

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name Hilbur E. Hess  
Address 617 First Nat'l Bank Bldg.,  
Houston, Texas

Name Catherine E. Hess  
Address 617 First Nat'l Bank Bldg.,  
Houston, Texas

STATE OF TEXAS }  
COUNTY OF EL PASO } ss.

On this January 7 - 1952, before me personally appeared Douglas E. Johnston and wife, Barbara E. Johnston to me known to be the person s described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

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

Doratha Swender  
DORATHA SWENDER Notary Public El Paso County  
Jan 9

My Commission Expires:

June 14 1953



026 155 D

JAN 26 1952

LAND SURVEY  
NEW MEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES		DESCRIPTION
Name <u>L. A. Nordan</u>	<u>711 Milam Building</u> <u>San Antonio 5, Texas</u>	<b>Tracts 5, 6-A, 6-B, 7 and 8-B as they are described in said Unit Agreement.</b>
Name <u>Pearl N. Nordan</u>	<u>711 Milam Building</u> <u>San Antonio 5, Texas</u>	
Name _____	Address _____	
Name _____	Address _____	
Name _____	Address _____	

STATE OF TEXAS )  
COUNTY OF BELLA )

On this 15th day of January, 19 52, before me personally appeared L. A. Nordan and wife, Pearl N. Nordan to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15th day of January, 19 52.

My Commission expires:  
June 1, 1953

COCKIN Elyse L. Cockin  
Notary Public  
Bexar County, Texas

JAN 28 1952

RATIFICATION AND JOINDER OF UNIT AGREEMENT

U. S. GOVERNMENT SURVEY  
RECORDS

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name H. L. Davis  
Address 1231 Commerce Bldg.  
Houston, Texas

**Tracts 1-B and 2-B as they are  
described in said Unit Agreement.**

Name Hortense T. Davant  
Address 1231 Commerce Bldg.  
Houston, Texas

Name Hortense T. Davant  
Address 1504 Wilshire  
Corpus Christi, Texas

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF TEXAS }  
COUNTY OF DAVASSO } ss.

On this 22<sup>nd</sup> day of January 1952, before me personally appeared Hortense T. Davant,  
a free sole to me known to be the person described in and who executed the foregoing instrument and acknowledged that she executed the same as  
her free act and deed.

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

Mrs. Virginia Melton  
Notary Public

My Commission Expires:

6-1-57

RECEIVED  
JAN 21 1952  
U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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SIGNATURES AND ADDRESSES

DESCRIPTION

Name Arthur H. Frederking  
Address 617 First Nat'l Bank Bldg  
Houston, Texas

Tracts 6-A, 6-B, 7 and 8-E as they  
are described in said Unit Agreement.

Name Helen V. Frederking  
Address 617 First Nat'l Bank Bldg  
Houston, Texas

Name Charles S. Alexander  
Address 702 Hermann Prof Bldg  
Houston, Texas

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF TEXAS }  
COUNTY OF HARRIS } ss.

On this \_\_\_\_\_, before me personally appeared Charles S. Alexander,  
a single man to me known to be the person \_\_\_\_\_ described in and who executed the foregoing instrument and acknowledged that \_\_\_\_\_ executed the same as  
his free act and deed.

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

Paul L. Bertin, Jr.  
Notary Public

My Commission Expires: \_\_\_\_\_

PAUL L. BERTIN, JR.  
Notary Public in and for Harris County, Texas  
My Commission Expires June 1, 1953

RATIFICATION AND JOINDER OF UNIT AGREEMENT

JAN 21 1952  
U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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SIGNATURES AND ADDRESSES

DESCRIPTION

Name Barbaine Thompson  
Address 1100 Pearl, Express Bldg.  
Houston 2, Texas

**Tracts 6-A, 6-B, 7 and 8-B as they are described in said Unit Agreement.**

Name Mary Helen Thompson  
Address 1100 Pearl, Express Bldg.  
Houston 2, Texas

Name J. Q. Davis  
Address P.O. Box 131  
Edna, Texas

Name Mrs. Bellis Davis  
Address P.O. Box 131  
Edna, Texas

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF TEXAS  
COUNTY OF HARRIS } ss.

On this 15<sup>th</sup> day of January, 1952 before me personally appeared Barbaine Thompson and wife, Mary Helen Thompson to me known to be the person s described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

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

Gloria Ross  
Notary Public

My Commission Expires:  
June 1, 1953

GLORIA ROSS  
Notary Public, in and for Harris County, Texas

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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SIGNATURES AND ADDRESSES

DESCRIPTION

Name Hugh G. Alexander, Jr.  
Address 1104 Union National Bank Bldg.  
Houston, Texas

**Tract 5 as it is described in said Unit Agreement.**

Name Marion Alexander  
Address 1104 Union National Bank Bldg.  
Houston, Texas

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF TEXAS

COUNTY OF HARRIS

On this 14th day of January, 1953, before me personally appeared Hugh G. Alexander, Jr., and wife, Marion Alexander to me known to be the person ■ described in and who executed and delivered the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 14 day of January, 1953.

My Commission expires: 6-1-53

Myrtle Bramhall  
Notary Public

RECEIVED  
JAN 21 1952  
U. S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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SIGNATURES AND ADDRESSES	DESCRIPTION
Name <u>M. Sloan</u> Address <u>3501 Sunset Blvd</u> <u>Houston 5 Texas</u>	<b>Tract 5 as it is described in said Unit Agreement.</b>
Name <u>Loretta Sarah Sloan</u> Address <u>3501 Sunset Blvd</u> <u>Houston 5 Texas</u>	
Name <u>Mary Edna Wallace</u> Address <u>P. O. Box 2597</u> <u>Houston 1 Texas</u>	
Name <u>C. S. Wallace</u> Address <u>P. O. Box 2597</u> <u>Houston 1 Texas</u>	
Name _____ Address _____	

STATE OF TEXAS }  
COUNTY OF HARRIS } ss.

On this January 7, 1952, before me personally appeared C. S. Wallace and  
wife, Mary Edna Wallace to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

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

F. W. Warren  
Notary Public

My Commission Expires:

F. W. WARREN  
Notary Public in and for Harris County, Texas  
My Commission Expires June 1, 1953

# RATIFICATION AND JOINDER OF UNIT AGREEMENT

RECEIVED  
JAN 21 1952  
U. S. GEOLOGICAL SURVEY  
ROSWell, NEW MEXICO

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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## SIGNATURES AND ADDRESSES

## DESCRIPTION

Name Walter A. Johnston  
Address 1453 ESPERSON BLDG.  
HOUSTON 2, TEXAS

**Tracts 1-B, 2-B, 5, 6-A, 6-B, 7 and  
8-B as they are described in said  
Unit Agreement.**

Name Murrell M. Johnston  
Address 1453 ESPERSON BLDG.  
HOUSTON 2, TEXAS

Name Wm. G. Johnston  
Address 4121 North Blvd.  
Oklahoma City

Name Wm. G. Johnston  
Address 4121 North Blvd.  
Oklahoma City

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF OKLAHOMA }  
COUNTY OF OKLAHOMA } ss.

On this 21st day of Jan, 1952, before me personally appeared Wm. G. Johnston and wife, Eula May Johnston to me known to be the person a described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

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

George E. Pugh  
Notary Public

My Commission Expires:

1-17-55

FILED  
JAN 24 1952  
COUNTY CLERK  
HARRIS COUNTY, TEXAS

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name Mary J. Wagner  
Address 835 Esperanza Bldg.  
Houston 2, Texas

**Tracts 5, 6-A, 6-B, 7 and 8-B as they are described in said Unit Agreement.**

Name E. H. Sugrue  
Address 835 Esperanza Bldg  
Houston 2, Texas

Name Mary Nell Sugrue  
Address 835 Esperanza Bldg  
Houston 2, Texas

Name John M. Ahern  
Address 835 Esperanza Bldg  
Houston 2, Texas

Name Esther M. Ahern

STATE OF TEXAS  
COUNTY OF HARRIS } ss.

On this 7<sup>th</sup> day of January, 1952, before me personally appeared Mary J. Wagner,  
a feme sole to me known to be the person described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.

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

Gloria Ross  
Notary Public

GLORIA ROSS  
Notary Public, in and for Harris County, Texas

My Commission Expires:

11/21/1953



RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name

Address

Tracts 1-B, 2-B, 5, 6-A, 6-B, 7, and 8-B as they are described in said Unit Agreement.

Name

Address

Name

Address

SOUTH TEXAS NATL BANK OF HOUSTON, TEX.

TRUSTEE, under Trust Indenture ex-

ecuted by Waters S. Davis, Jr.

on October 30, 1950.

BY Albert J. Davis

Name

Vice-President

Address

Name

SECRET:

Address

W. K. Lacey  
Cashier

Date:

STATE OF

TEXAS

COUNTY OF

Harris

On this 10th day of January, 19 52, before me personally appeared Waters S. Davis, Jr., and wife, Gladys D. Davis to me known to be the person <sup>H</sup> described in and who executed and delivered the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 10th day of January, 1952.

My Commission expires:

6-1-53

Bernice Jones  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

STATE OF TEXAS

COUNTY OF HARRIS

On this 10th day of January, 1951, before me appeared Arthur Trum, to me personally known, who, being by me duly sworn did say that he is the President of South Texas National Bank of Houston, Texas, a corporation, and that the seal affixed to said instrument is the corporate seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said Arthur Trum acknowledged said instrument to be the free act and deed of said corporation in the capacity of Trustee under Trust Indenture executed by Waters S. Davis, Jr. on October 30, 1950.

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

My Commission Expires:

6-1-53

Bessie Jones  
Notary Public

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 10 day of January, 1951.

My Commission expires: 6-1-53

Laurene Humphrey  
Notary Public  
LOURENE HUMPHREY

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name \_\_\_\_\_  
Address A. M. Lloyd, 1928 M & W Tower,  
Dallas, Texas.

Name A. M. Lloyd  
Address Wife of A. M. Lloyd, 1928 M &  
W. Tower, Dallas, Texas

Name Byrus Lloyd  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Tracts No. 4, 5, 7, 8-A, 8-B, 9,  
10, 11, 13, 14, 16-A, 18, 19, 20,  
21-A, 21-B, 22, 26, 28, 32, 38,  
47, 48, 49, 50, 51, 52, 53, 54,  
55, 56, 57, 58, 59, 60, 61, 62,  
63, 64, 65, 66, 69, 70 as the  
same are described in said Unit  
Agreement.

STATE OF TEXAS )  
COUNTY OF DALLAS )

On this 15th day of November, 19 51, before me personally appeared A. M. Lloyd and Agnes Lloyd to me known to be the person ■ described in and who executed and delivered the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15th day of November, 19 51.

My Commission expires:

June 1, 1953

Lourene Humphrey  
Notary Public Lourene Humphrey

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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<u>SIGNATURES AND ADDRESSES</u>	
Name <u>Edward E. Haag</u>	
Address <u>Rt. Box 473</u>	
<u>Bakersfield Calif.</u>	
Name <u>James E. Haag</u>	
Address <u>Rt. Box 473</u>	
<u>Bakersfield Calif.</u>	
Name _____	
Address _____	
_____	
Name _____	
Address _____	
_____	
Name _____	
Address _____	
_____	

DESCRIPTION

**Tract Number 29 as described in the Unit Agreement, being the NE of the NW of Section 32, Township 31 North, Range 7 West, as covered by New Mexico State Lease Number E-3948-1, dated 8-2-50.**

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally appeared \_\_\_\_\_ to me known to be the person \_\_\_\_\_ described in and who executed and delivered the foregoing instrument, and acknowledged to me that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

My Commission expires:

\_\_\_\_\_  
Notary Public

STATE OF CALIFORNIA )  
COUNTY OF KERN )

On this 15th day of November, 1951, before me personally appeared JAMES E. HAAG to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15th day of November, 1951.

My commission expires:  
June 16, 1954

[Signature]  
Notary Public

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 1951, before me personally appeared \_\_\_\_\_ to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this \_\_\_\_\_ day of \_\_\_\_\_, 1951.

My commission expires:  
\_\_\_\_\_

\_\_\_\_\_  
Notary Public

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 1951, before me personally appeared \_\_\_\_\_ to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this \_\_\_\_\_ day of \_\_\_\_\_, 1951.

My commission expires:  
\_\_\_\_\_

\_\_\_\_\_  
Notary Public

STATE OF CALIFORNIA )  
COUNTY OF KERN ) ss.

On this 15th day of November, 1951, before me, R. Y. BURUM, personally appeared JAMES E. HAAG, known to me to be the person whose name is subscribed to the within instrument as the attorney in fact of EDWARD J. HAAG, and acknowledged to me that he subscribed the name of EDWARD J. HAAG thereto as principal, and his own name as attorney in fact.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15th day of November, 1951.

My Commission expires: June 16, 1954

[Signature]

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES	DESCRIPTION
Name <u>Oran H. Lewis</u> Address <u>1627 W. Stephens St</u> <u>Boiling Sp.</u>	Tract No 32, Lot 4, Se/4 SW/4, Sec 32, T31N-R7W, 68.32A 5% Override.
Name _____ Address _____	
Name _____ Address _____	
Name _____ Address _____	
Name _____ Address _____	

STATE OF N.M. )  
COUNTY OF Douglas )

On this 25<sup>th</sup> day of September, 19 51, before me personally appeared Oran H. Lewis to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 25<sup>th</sup> day of Sept., 19 51  
My Commission expires:  
MY COMMISSION EXPIRES DEC. 28, 1951

Laurel Reed  
Notary Public

# RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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## SIGNATURES AND ADDRESSES

## DESCRIPTION

Name Edward B. Scott (EBS)  
 Address P.O. Box 644  
Albuquerque, N. Mex.  
 (EBS JR, her  
 Name Thomas B. Scott husband)  
 Address P.O. Box 644  
Albuquerque, N. Mex.  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 Name \_\_\_\_\_  
 Address \_\_\_\_\_

Tract Number 16-A as described in said Unit Agreement, being Lots 5, 6, 7 and 8 of Section 19; Lots 5, 6, 9 and 10 and the East  $\frac{1}{2}$  of the West  $\frac{1}{2}$  of Section 30; and Lots 5, 7, 8, 11, 12 and 14 and the East  $\frac{1}{2}$  of the West  $\frac{1}{2}$  of Section 31 all in Township 31 N Range 7 W; and the North  $\frac{1}{2}$  and the Southwest  $\frac{1}{4}$  of Section 25, Township 31 N, Range 8 W; and Lots 1, 3 and 4 of Section 17, Township 30 N, Range 7 W; and the Southwest of the Northeast of Section 18, Township 30 North, Range 7 W; of NMFM as the same are covered by Santa Fe Serial Number 079082.

This Ratification and Joinder Agreement does not relate to, cover or affect the right, title or interest of Eleanor B. Scott or Thomas B. Scott or of Thomas B. Scott, Jr. in or to any other lands or leases within or without the area covered by said Unit Agreement.

STATE OF New Mexico }  
 COUNTY OF Bernalillo }

On this 14th day of November, 1951, before me personally appeared Eleanor B. Scott and Thomas B. Scott Jr. to me known to be the person S described in and who executed and delivered the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 14th day of November 1951

My Commission expires:

July 25, 1955

Margaret H. Jeff  
 Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

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SIGNATURES AND ADDRESSES

DESCRIPTION

Name Bernice  
Address \_\_\_\_\_

Tracts number 49, 53 and 69.

Agnes Luna Martinez

Name Yella Neal Case  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me personally appeared \_\_\_\_\_ to me known to be the person \_\_\_\_\_ described in and who executed and delivered the foregoing instrument, and acknowledged to me that \_\_\_\_\_ executed the same as \_\_\_\_\_ free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

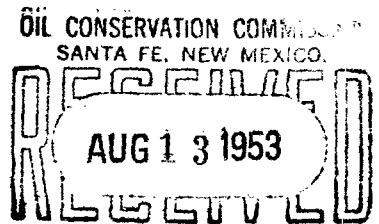
My Commission expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Public



BLACKWOOD & NICHOLS COMPANY  
OIL PROPERTIES  
LIBERTY BANK BUILDING  
OKLAHOMA CITY 2, OKLAHOMA

August 11, 1953



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

Re: Request for Addition to Plan of  
Development for the Calendar Year  
1953, Mesaverde Zone, Northeast Blanco  
Unit, I-Sec. 929, San Juan and Rio  
Arriba Counties, New Mexico.

Gentlemen:

We are submitting herewith four signed copies of the above referenced request. Copies have also been submitted to the Oil and Gas Supervisor, United States Geological Survey, Roswell, New Mexico; and the Commissioner of Public Lands, State of New Mexico, Santa Fe, New Mexico. We would appreciate your approval of the addition requested.

Yours very truly,

A handwritten signature in cursive script that reads "W. N. Little".

W. N. Little, Chairman  
Advisory Committee  
Northeast Blanco Unit

WNL:rc

REQUEST FOR ADDITION TO PLAN OF  
DEVELOPMENT FOR THE CALENDAR YEAR  
1953, MESAVERDE ZONE, NORTHEAST  
BLANCO UNIT, I-SEC. 929, SAN JUAN  
AND RIO ARriba COUNTIES, NEW MEXICO

To: The Oil and Gas Supervisor  
U. S. Geological Survey  
Roswell, New Mexico

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

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

A Plan of Development for 1953 was approved by the Commissioner of Public Lands, State of New Mexico, on the 13th day of January, 1953; by the New Mexico Oil Conservation Commission on the 13th day of January, 1953; and by Regional Oil and Gas Supervisor, United States Geological Survey, on the 25th day of March, 1953. A Request for Changes in the above Plan of Development for the Calendar Year 1953 was approved by the Commissioner of Public Lands on June 10, 1953 by the New Mexico Oil Conservation Commission on June 12, 1953; and by Regional Oil and Gas Supervisor, United States Geological Survey on June 9, 1953.

Blackwood & Nichols Company as Unit Operator, for itself and all owners of oil and gas leases or operating rights covering lands committed to said Unit, requests that the following additions be made in said Plan of Development.

1. Add a further development well in the Northeast One-Quarter (NE/4) of Section 18, Township 30 North, Range 7 West, San Juan County, New Mexico.
2. Add a further development well in the Southwest One-Quarter (SW/4), Section 20, Township 30 North, Range 7 West, Rio Arriba County, New Mexico.

Otherwise, it is requested that the Plan of Development continue in effect as previously approved.

Submitted this 11<sup>th</sup> day of August, 1953.

BLACKWOOD & NICHOLS COMPANY  
Unit Operator

By J. G. Blackwood  
A General Partner

Approved \_\_\_\_\_, 1953, subject to like approval by the Commission of Public Lands, State of New Mexico, and the New Mexico Oil Conservation Commission.

\_\_\_\_\_  
John A. Anderson, Regional Oil & Gas Supervisor,  
U. S. Geological Survey, Roswell, New Mexico

Approved for the New Mexico Oil Conservation Commission

By: W. R. R. Spurrer 8/14/53  
R. R. Spurrer, Director Date

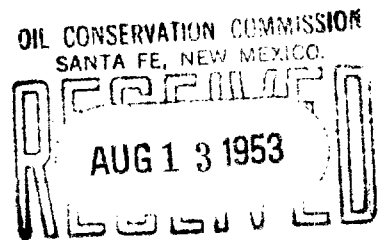
Approved by me this \_\_\_\_\_ day of \_\_\_\_\_, 1953, subject to like approval being had and obtained from the United States Geological Survey.

\_\_\_\_\_  
E. S. Walker, Commission of Public Lands, N.M.

LAW OFFICES  
McAFEE & TAFT  
1316 LIBERTY BANK BUILDING  
OKLAHOMA CITY 2, OKLAHOMA

July 24, 1953

KENNETH E. McAFEE  
RICHARD G. TAFT  
JOE FRED GIBSON  
OLIVER W. GATES



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

Re: Northeast Blanco

Gentlemen:

Enclosed are Ratification and Joinders of Unit Agreement  
executed by C. C. Culpepper and Ethelyn Culpepper; H. B. Sammons;  
and Kenneth E. McAfee and Maxine McAfee.

The land owners in this case have leased the property to  
Kenneth E. McAfee who has consented to the Ratification and Joinder.

Yours very truly,

*Kenneth E. McAfee*  
Kenneth E. McAfee

KEM:KA

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES	DESCRIPTION
Name <u><i>H. B. Sarmons</i></u> Address <u>PARIAH, N. M.</u>	My undivided one-half mineral interest in and to Tr. 60, being the SE/4 SW/4 of Section 6, T. 30 N., R. 7 E., N.M.P.M.
Name _____ Address _____	
Name _____ Address _____	
Name _____ Address _____	
Name _____ Address _____	

Approved and consented to this 24th day of July, 1953.  
*Kenneth E. McNamee, Lessee*

STATE OF New Mexico )  
COUNTY OF San Juan ) On this 14th day of April, 1953, before me personally appeared H. B. Sarmons to me known to be the person described in and who executed and delivered the foregoing instrument, and acknowledged to me that she executed the same as her free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 14th day of April, 1953.  
My commission expires: \_\_\_\_\_

Notary Public  
*[Signature]*  
\_\_\_\_\_  
STATE OF NEW MEXICO, County of San Juan SS.  
I hereby certify this instrument was filed for record on May 28, 1953 at 2:01 o'clock P. M., and duly recorded in book 212 page 6 of the Records of said county.  
S/ Virginia A. Kittell  
Probate Clerk and ex-officio Recorder

(SEAL)

14010

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name C. C. Culpepper  
Address 608 East La Plata St.,  
Farington, New Mexico

Tr. 68, being the SE/4SW/4 Section 6,  
T. 30 N., R. 7 W.

Name Ethelwyn Culpepper  
Address 608 East La Plata St.,  
Farington, New Mexico

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Approved and consented to this  
24th day of July, 1953  
Kenneth E. McAlister, Notary

STATE OF New Mexico  
COUNTY OF San Juan ) On this 15th day of April, 1953, before me  
personally appeared C. C. Culpepper & Ethelwyn Culpepper, husband & wife to me known to be  
the person s described in and who executed and delivered the foregoing instrument, and  
acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15th day of April, 1953.  
My commission expires: 5/5/1953

[Signature]  
Notary Public

STATE OF NEW MEXICO, County of San Juan SS

I hereby certify this instrument was filed for record on May 28,  
1953 at 2:02 o'clock P. M., and duly recorded in Book 212 Page 7 of  
the Records of said county.

S/ Virginia A. Kittell  
Bookkeeper and ex-officio Recorder

## RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the development and operation of the Northeast Blanco Unit Area located within the Counties of San Juan and Rio Arriba, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his or her particular ownership or interest, as may appear, consent to the inclusion of said lands within the Unit Area therein defined, ratify, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the terms of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

The said Unit Agreement having been filed of record in the Office of the County Clerk and Recorder of Rio Arriba County in Volume 11, at Pages 310 to 361-A and in the Offices of the Probate Clerk and Ex Officio Recorder of San Juan County in Book 182 at Page 52.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

ADDRESS

1001 S. Pickard  
Lawman, Okla  
OKLAHOMA

SIGNATURE

[Signature]  
Maxine M. McAfee

STATE OF NEW MEXICO )  
COUNTY OF SAN JUAN ) ss.  
OKLAHOMA

On this 27th day of July, 19 53, before me personally appeared Kenneth E. McAfee and Maxine M. McAfee, his wife to me known to be the person s described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my official signatures and affixed my notarial seal the day and year first above written.

[Signature]  
Notary Public

My commission expires:  
May 1, 1957

RATIFICATION AND JOINDER OF UNIT  
OPERATING AGREEMENT UNDER UNIT  
AGREEMENT FOR THE DEVELOPMENT  
AND OPERATION OF THE NORTHEAST  
BLANCO UNIT AREA, COUNTY OF SAN  
JUAN, STATE OF NEW MEXICO

In consideration of the execution of the Unit Operating Agreement under Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, the undersigned owners of lands and leases or interests therein presently held or which may arise under existing option agreements or other interest in production covered by said Unit Operating Agreement, each to the extent of its particular ownership or interest, briefly described opposite its signature, have consented to the inclusion of said lands within the Unit Area therein defined, and do hereby approve, adopt and ratify the said Unit Operating Agreement in the form and as submitted to the United States Geological Survey in connection with the submission of Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, New Mexico.

This Ratification and Joinder of Unit Operating Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, its successors or assigns, subject to all the terms, provisions and conditions of said Unit Operating Agreement.

Attest:

Secretary

Date:

Address:

STATE OF OKLAHOMA )

COUNTY OF OKLAHOMA )

On this 27th day of ~~February~~ <sup>July</sup>, 1953, before me personally appeared

Kenneth E. McAfee and Maxine M. McAfee,

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

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

My commission expires:

May 1, 1957

Joan Harrauff  
Notary Public  
County of Oklahoma  
State of Oklahoma

CIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

June 12, 1953

Blackwood and Nichols Company  
Liberty Bank Building  
Oklahoma City 2, Oklahoma

Re: Request for Changes in Plan of Development for the Calendar Year 1953, Mesaverde Zone, Northeast Blanco Unit  
I-Sec. 929, San Juan and Rio Arriba  
Counties, New Mexico

Gentlemen:

We are returning herewith three signed copies of the  
above referenced Request.

Very truly yours,

R. R. Spurrier  
Secretary-Director

c





IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

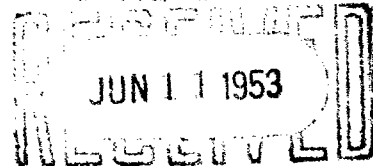
P. O. Box 997  
Roswell, New Mexico

June 9, 1953

Mr. Foster Morrell  
Mickson Hotel Building  
Roswell, New Mexico

Dear Sir:

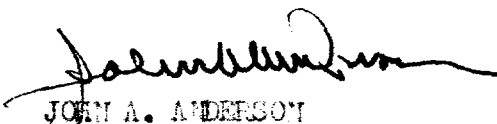
Oil Conservation Commission  
Santa Fe, New Mexico



Returned herewith is one approved copy of the amended plan of development submitted May 29, 1953, by Blackwood & Nichols, unit operator, for the Mesaverde formation, Northeast Blanco unit area, I-Sec. No. 929.

The amended plan has been approved subject to like approval by the Commissioner of Public Lands, State of New Mexico, and the New Mexico Oil Conservation Commission.

Very truly yours,

  
JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Copy to: Commissioner of Public Lands  
New Mexico Oil Conservation Commission ✓

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

May 29, 1953

Mr. John A. Anderson  
Regional Oil and Gas Supervisor  
U. S. Geological Survey  
Roswell, New Mexico

Re: Request for Changes in Plan of Development  
for the Calendar Year 1953, Mesaverde Cone,  
Northeast Blanco Unit, I-Sec. 929, San Juan  
and Rio Arriba Counties, New Mexico.

Dear Mr. Anderson:

I am in receipt of the above captioned request which is allright  
with me but, I will withhold approving the same, until I have heard from  
you on the matter.

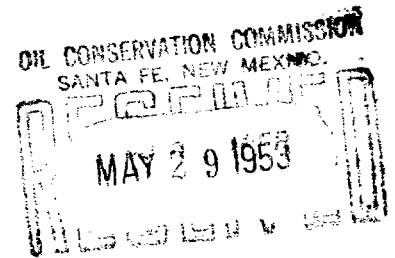
Very truly yours,

*R. R. Spurrier*  
R. R. Spurrier  
Secretary-Director

cc: Mr. U. S. Walker  
Commissioner of Public Lands  
Santa Fe, New Mexico

BLACKWOOD & NICHOLS COMPANY  
OIL PROPERTIES  
LIBERTY BANK BUILDING  
OKLAHOMA CITY 2, OKLAHOMA

May 27, 1953



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

Re: Request for Changes in Plan of Development  
for the Calendar Year 1953, Mesaverde Zone,  
Northeast Blanco Unit, I-Sec. 929, San Juan  
and Rio Arriba Counties, New Mexico.

Gentlemen:

We are submitting herewith four signed copies of the above referenced Request. Copies have also been submitted to the Oil & Gas Supervisor, United States Geological Survey, Roswell, New Mexico; and the Commissioner of Public Lands, State of New Mexico, Santa Fe, New Mexico. We would appreciate your approval of the changes requested.

Yours very truly,

A handwritten signature in cursive script, reading "W. N. Little".

W. N. Little, Chairman  
Advisory Committee  
Northeast Blanco Unit

WNL:jl

cc: Mr. Foster Morrell

REQUEST FOR CHANGES IN PLAN OF DEVELOPMENT FOR  
THE CALENDAR YEAR 1953, MESAVERDE ZONE, NORTHEAST  
BLANCO UNIT, I-SEC. 929, SAN JUAN AND RIO ARriba  
COUNTIES, NEW MEXICO.

To: The Oil and Gas Supervisor  
U. S. Geological Survey  
Roswell, New Mexico

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

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

A Plan of Development for 1953 was approved by the Commissioner of Public Lands, State of New Mexico, on the 13th day of January, 1953; by the New Mexico Oil Conservation Commission on the 13th day of January, 1953; and by Regional Oil and Gas Supervisor, United States Geological Survey, on the 25th day of March, 1953.

Blackwood & Nichols Company, as Unit Operator, for itself and all other owners of oil and gas leases or operating rights covering lands committed to said Unit, request that the following changes, deletions, and additions be made in said plan for the reasons stated:

1. Delete the well proposed for the Northeast Quarter (NE/4) of Section 16, Township 30 North, Range 7 West, Rio Arriba County.

Deletion is requested because the East Half (E/2) of said Section 16 has not been committed to the Unit and Operator now believes that it will not be committed. Information has been received to the effect that the Lessees thereof have staked location for well, built road, and presumably will drill well without participation by the Unit. ✓

2. Delete the further development well which was projected for the Northeast Quarter (NE/4) of Section 30, Township 31 North, Range 6 West. ✓

El Paso Natural Gas Company on March 6, 1953, notified Unit Operator that Seymour #1 located in the Northeast Quarter (NE/4) of Section 6, Township 30 North, Range 6 West had a potential of 648 MCF per day and that the well had not been tied to pipe line at that date. Northeast Blanco Unit Advisory Committee directed Operator to request permission of U.S.G.S. to drill the further development well one mile west from original location into the Northeast Corner of Section 25, Township 31 North, Range 7 West. The reasons for this change in location were the poor showing of the El Paso Seymour well and the expected higher structural position in the Section 25 location than at the Section 30 location, also that the Section 25 location would still reasonably indicate structural conditions and give better evidence of desirability of later drilling the location previously proposed.

3. Delete the well proposed for the Northeast Quarter (NE/4) of Section 2, Township 30 North, Range 7 West, Rio Arriba County. ✓

El Paso Natural Gas Company reported to the Unit Advisory Committee that they had abandoned plan for drilling their Howell #5-B location in the Northeast Quarter (NE/4) of Section 11, Township 30 North, Range 7 West, for the reason of its proximity to the weak Seymour well in Section 6. The Northeast Blanco Unit Advisory Committee considered that the further development well in Section 25, Township 31 North, Range 7 West would give sufficient structural and pay condition information to make it unnecessary to drill a development well in Section 2 at this time.

4. Add a further development well on the Northeast Quarter (NE/4) of Section 25, Township 31 North, Range 7 West, San Juan County.

For the reasons stated in 3 above the Advisory Committee felt that a well at this location would reasonably indicate structural conditions and give better evidence of the desirability of later drilling the location previously proposed.

5. Add a well on the Southwest Quarter (SW/4) of Section 12, Township 30 North, Range 8 West, San Juan County.

The structural position at this location is favorable for securing excellent Mesaverde production, the location is a diagonal offset to production outside the Unit boundary, and a drilling rig presently located north of the San Juan River is available to drill at the site recommended.

6. Add a well on the Southwest Quarter (SW/4) of Section 16, Township 30 North, Range 7 West, Rio Arriba County.

It is the Advisory Committee's desire to locate a substitute well near the approved location in Section 16, Township 30 North, Range 7 West on which the acreage has not been submitted to the Northeast Blanco Unit. The location recommended has favorable structural position for Mesaverde production.

Otherwise, it is requested that the plan continue in effect as approved.

Submitted this 29th day of May, 1953.

BLACKWOOD & NICHOLS COMPANY  
Unit Operator

By

[Signature]  
A General Partner

Approved \_\_\_\_\_, 1953, subject to like approval by the Commission of Public Lands, State of New Mexico, and the New Mexico Oil Conservation Commission.

\_\_\_\_\_  
John A. Anderson, Regional Oil & Gas Supervisor,  
U. S. Geological Survey, Roswell, New Mexico

Approved for the New Mexico Oil Conservation Commission

By:

\_\_\_\_\_  
R. R. Spurrier, Director

\_\_\_\_\_  
Date

Approved by me this \_\_\_\_\_ day of \_\_\_\_\_, 1953, subject to like approval being had and obtained from the United States Geological Survey.

\_\_\_\_\_  
E. S. Walker, Commission of Public Lands,  
State of New Mexico



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

P. O. Box 927  
Roswell, New Mexico

March 25, 1953

Mr. Foster Morrell  
Jackson Hotel Building  
Roswell, New Mexico

Dear Mr. Morrell:

The plan of development for 1953, submitted by Blackwood & Nichols Company, Unit Operator, for the Mesaverde formation, Northeast Blanco Unit, I-Sec. No. 929, has been approved on this date subject to like approval by the Commissioner of Public Lands, State of New Mexico, and the New Mexico Oil Conservation Commission, as provided in Section 10 of the unit agreement.

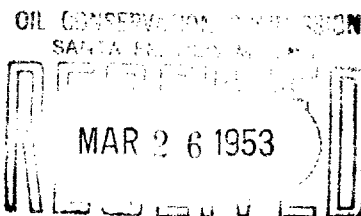
One approved copy of the plan of development is enclosed.

Very truly yours,

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Enclosure

Copy to: Commissioner of Public Lands  
Oil Conservation Commission



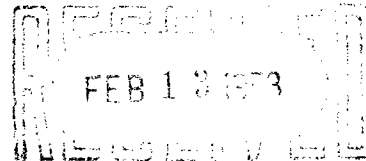
LAW OFFICES  
**McAFEE & TAFT**  
1816 LIBERTY BANK BUILDING  
OKLAHOMA CITY 2, OKLAHOMA

KENNETH E. McAFEE  
RICHARD G. TAFT  
JOE FRED GIBSON

February 11, 1953

Commissioner of Public Lands,  
State of New Mexico,  
Santa Fe, New Mexico.

Oil Conservation Commission  
Santa Fe, New Mexico



Dear Sir:

In re: Northeast Blanco Unit  
San Juan & Rio Arriba Counties,  
New Mexico

Enclosed is copy of Ratification and Joinder of Unit Agreement executed by Levi A. Hughes, covering his five per cent production payment in Tract 36 and Tracts 30 and 44, in the Northeast Blanco Unit. You will note Phillips Petroleum Company's acceptance and consent thereon.

Four copies of this Ratification and Joinder has been furnished the United States Geological Survey as of this date.

Very truly yours,

Kenneth E. McAfee

cc:

Oil Conservation Commission  
State of New Mexico  
Santa Fe, New Mexico  
(One Copy Enclosed)

cc: U.S.G.S.

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, Counties of Rio Arriba and San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name Levi A. Hughes  
~~Address~~

Lot 8, S/2, SW/4 NW/4  
Sec. 2-30N-7W

Name Dorothy B. Hughes  
~~Address~~

SE/4 NW/4, NE/4 SW/4 Sec. 32-31N-7W  
SE/4 SE/4 Sec. 36-31N-8W

~~Name~~ 10755 Rochester Avenue  
Address Los Angeles 24, California

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF California )  
COUNTY OF Los Angeles )

On this 2nd day of February, 19 53, before me personally appeared Levi A. Hughes and Dorothy B. Hughes, his wife to me known to be the person s described in and who executed and delivered the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 2nd day of February, 19 53.

My Commission expires:

Lillian Hitchcock NOTARY PUBLIC  
In and for the County of Los Angeles, State of California

Lillian Hitchcock  
Notary Public

My Commission Expires Mar. 12, 1954

SEE REVERSE SIDE FOR PHILLIPS APPROVAL AND CONSENT



**OIL CONSERVATION COMMISSION**

P. O. BOX 871

**SANTA FE, NEW MEXICO**

**January 15, 1953**

**Blackwood & Nichols Company  
Liberty Bank Building  
Oklahoma City 2, Oklahoma**

**Attention: Mr. W. N. Little, Chairman - Advisory Committee  
Northeast Blanco Unit**

**Gentlemen:**

**We are returning herewith an approved copy of  
the 1953 Plan of Development for the Mesaverde Zone, North-  
east Blanco Unit, I-Sec. 929, San Juan and Rio Arriba Counties,  
New Mexico.**

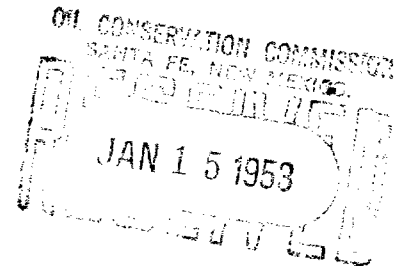
**Very truly yours,**

**R. R. Spurrier  
Secretary - Director**

lh  
enc. 1

**BLACKWOOD & NICHOLS COMPANY**  
OIL PROPERTIES  
LIBERTY BANK BUILDING  
OKLAHOMA CITY 2, OKLAHOMA

January 13, 1953



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

Gentlemen:

Reference is made to our letter dated January 8, 1953, in which we transmitted four copies of a Plan of Development for the calendar year 1953 for the Mesaverde Zone, Northeast Blanco Unit I-Sec. 929, San Juan and Rio Arriba Counties, New Mexico. It has been called to our attention that Mr. F. G. Blackwood and ourselves failed to date the final sheet on each brochure. We would appreciate it very much if you would apply the date January 8, 1953 to the final sheets of these reports.

Yours very truly,

A handwritten signature in cursive script that reads "W.N. Little".

W.N. Little, Chairman  
Advisory Committee  
Northeast Blanco Unit

WNL:rc  
c: Mr. Foster Morrell

BLACKWOOD & NICHOLS COMPANY  
OIL PROPERTIES  
LIBERTY BANK BUILDING  
OKLAHOMA CITY 2, OKLAHOMA

January 8, 1953

JAN 12 1953

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

Gentlemen:

We are submitting herewith four copies of a Plan of Development for the calendar year 1953 for the Mesaverde Zone, Northeast Blanco Unit, I-Sec. 929, San Juan and Rio Arriba Counties, New Mexico. This plan has also been submitted to the Oil and Gas Supervisor, U. S. Geological Survey, Roswell, New Mexico; and Commissioner of Public Lands, State of New Mexico, Santa Fe, New Mexico. We would appreciate your approval of this plan.

Yours very truly,

*W. N. Little*

W. N. Little, Chairman  
Advisory Committee  
Northeast Blanco Unit

WNL:rc  
Enc - 4

**PLAN OF DEVELOPMENT FOR THE CALENDAR YEAR 1953  
MESAVERDE ZONE, NORTHEAST BLANCO UNIT, I-SEC. 929  
SAN JUAN AND RIO ARriba COUNTIES, NEW MEXICO**

---

To: The Oil and Gas Supervisor  
U. S. Geological Survey  
Roswell, New Mexico

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

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

A Plan of Development for the Calendar Year 1952 for the Mesaverde Zone, Northeast Blanco Unit, I-Sec. 929 was submitted on the 8th day of August, 1952 and subsequently approved by the Oil and Gas Supervisor, the Commissioner of Public Lands and the Oil Conservation Commission. Pursuant to that Plan, the Operator engaged drilling contractors and Mesaverde test wells are presently being drilled in the Southwest Quarter (SW/4) of Section 20, Township 31 North, Range 7 West, San Juan County and in the Southwest Quarter (SW/4) of Section 21 of Township 30 North, Range 7 West, Rio Arriba County. The Operator has also completed the Dakota test well which was being drilled at the time of the submission of the Plan in the Northeast Quarter (NE/4) of Section 27, Township 31 North, Range 7 West. The Dakota test well in Section 37 was completed as a producer of gas. No other wells have been completed on the Unit since the filing of the original Plan. Locations have been staked and drilling contractors employed for the drilling of the well in the Southwest Quarter (SW/4) of Section 13, 30 North, 8 West and the well in the Southwest Quarter (SW/4) of Section 5, 30 North, 7 West, both in San Juan County. The Operator proposes to have the rigs presently employed on the Unit to move to these locations as soon as it may be accomplished. Operator has encountered great difficulty in carrying out the 1952 program. PAD allocations of material were disappointingly small and it was impossible to get materials in time to complete the projected program. Extremely bad weather and road conditions have perceptibly slowed drilling in progress and it has been necessary to haul substantially all of the water required. Up to this time the Operator has been unable to obtain tubing for the completion of any wells on the Unit other than the Dakota test well in Section 27. The Operator therefore proposes to drill the Mesaverde wells and to set casing therein but to defer the drilling in and completion of them until tubing is available and possibly until weather conditions permit easier access to the locations.

In compliance with Section 10 of the Northeast Blanco Unit Agreement approved by the Director of the United States Geological Survey on April 16, 1952, by the Commissioner of Public Lands of the State of New Mexico on October 23, 1951 and by the Oil Conservation Commission of the State of New Mexico on October 31, 1951, Blackwood & Nichols Company, as Unit Operator, on behalf of itself and all other owners of oil and gas leases or of operating rights under oil and gas leases covering lands committed to the Northeast Blanco Unit, hereby submits a plan of development for the Mesaverde Zone of said Northeast Blanco Unit as follows:

1. Description of Participating Area in Mesaverde Zone:

A Participating Area for the Mesaverde Zone for the Northeast Blanco Unit was approved by the United States Geological Survey on November 20, 1952. It has also been approved by the Commissioner of Public Lands, State of New Mexico, and the Oil Conservation Commission, State of New Mexico. As approved it includes all acreage located within the boundaries of the Northeast Blanco Unit Area described as in Ranges 7 and 8 West, Township 30 North.

2. Past Development History of the Mesaverde Zone:

A Plan of Development for the Calendar Year 1952 was submitted and approved. In that Plan the detailed information concerning the drilling and completion of five wells was submitted. The information contained in the 1952 Plan is incorporated herein by reference. The following additional information is submitted with reference to those five wells and the Unit #1, Dakota test well:

- a. Howell 1-B -- During October, 1952 the well produced 7752 MCF of gas and on October 30, 1952 had a cumulative production of 292377 MCF.
- b. Howell 1-G -- During October, 1952 the well produced 11072 MCF of gas and on October 30, 1952 had a cumulative production of 145345 MCF.
- c. Howell 2-J -- During October, 1952 the well produced 48128 MCF of gas and on October 30, 1952 had a cumulative production of 303853 MCF.
- d. Howell 2-B -- During October, 1952 the well produced 3157 MCF of gas and on October 30, 1952 had a cumulative production of 65470 MCF.
- e. Florence Federal 2-43 -- This well has not been connected to pipe line.
- f. One well in the Northeast Blanco Unit Area located outside the Mesaverde Participating Area tested Mesaverde producing possibilities while drilling to complete a Dakota Well.

Northeast Blanco Unit #1 -- located 1650' south of north line and 990' west of east line of Section 27, T31N, R7W, San Juan County, Elevation 6404' Derrick Floor. This well was completed 10-25-52 with 5-1/2" OD casing set at 7793' and TD at 8095' with plug back depth of 7985'; tested 536 MCF from the Dakota formation after a 295 quart shot.

The Mesaverde Zone was tested as follows:

DST #5 5130'-5220' Tool open 90 minutes, shut in 15 minutes. Strong blow decreasing to weak blow of air at end of test. Recovered 4050' D.M. no shows flowing BHP 785#-1965# Shut in BHP 2110#.

DST #6 5240'-5340' Tool open 90 minutes, shut in 20 minutes, gas to surface in 10 minutes flowed at rate of 32 MCF/day. Recovered 450' of drilling mud, flowing BHP 115#-230#, shut in BHP 765#.

DST #7 5475'-5596' Tool open 60 minutes, shut in 15 minutes, strong blow 12 minutes medium blow of air thereafter. Recovered 60' of slightly GCM. Flowing BHP 75#, shut in BHP 75#.

DST #8 5600'-5720' Tool open 60 minutes, shut in 30 minutes. Strong blow decreasing to weak blow, recovered 100' slightly GCM. Flowing BHP 0#, shut in BHP 380#.

The specific gravity of the gas being produced from these wells varies between 0.630 and 0.665. The April tests indicate that the gas carries from 0.205 to 0.269 GPM.

### 3. Proposed Additional Wells

We recommend the drilling of seven Mesaverde wells within the boundaries of the Participating Area during the year 1953. Two of these were included in the 1952 program and were contracted for during the year 1952 but will be completed in the year 1953. The tentative location of the five proposed additional development wells are as follows:

- (1) NE/4 Section 29, 30 North, 7 West, Rio Arriba County
- (2) NE/4 Section 21, 30 North, 7 West, Rio Arriba County
- (3) NE/4 Section 16, 30 North, 7 West, Rio Arriba County
- (4) SW/4 Section 10, 30 North, 7 West, Rio Arriba County
- (5) NE/4 Section 2, 30 North, 7 West, Rio Arriba County

The locations which were staked and contracted for during the calendar year of 1952 which will be completed during the calendar year of 1953 are as follows:

- (1) The Southwest Quarter (SW/4) of Section 13, Township 30 North, Range 8 West, San Juan County.
- (2) The Southwest Quarter (SW/4) of Section 5, Township 30 North, Range 7 West, San Juan County.

### 4. Offset Obligations:

The Unit Operator, on behalf of the owners of working, royalty, or other interests, in the Northeast Blanco Unit, will take appropriate and adequate measures to prevent drainage from lands subject to the Northeast Blanco Unit Agree-

ment by wells on lands not subject to said agreement, or, pursuant to applicable regulations, will pay a fair and reasonable compensatory royalty as provided in Section 17 of the Northeast Blanco Unit Agreement.

5. Further Development:

The Operator would recommend the drilling of an exploratory well to test the Mesaverde Zone in the Northeast Quarter (NE/4) of Section 30, Township 31 North, Range 6 West, San Juan County.

The results of this test well will indicate whether or not the Mesaverde Participating Area should be extended northward.

6. Spacing of Wells:

The Unit Operator recommends developing the Mesaverde formation on the basis of one well per 320-acre tract, also to locate wells in the SW/4 and NE/4 of Sections where this practice is practicable. The wells now completed in the participating area conform with this pattern. After the participating area is developed on this basis the production history of the older wells would offer evidence as to whether development wells are spaced properly.

7. Well Casing Program:

The well casing program will generally follow the program currently used in the Mesaverde wells drilled in the area, including such surface casing and other casing as may be required by the Supervisor, the Commissioner, and the Commission, or as set forth in approvals of the applicable U.S.G.S. and State of New Mexico forms. The producing string of casing may be set and cemented either on top, or through, or partially through the producing zone.

8. Effective Date:

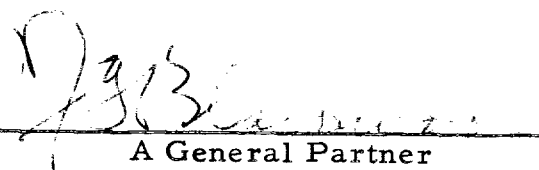
This Plan of Development shall be effective January 1, 1953. This Plan encompasses the desire of the Unit Operator who has in good faith requested casing approval from the P.A.D. in Washington, D. C., to drill the contemplated wells in the Mesaverde area during the first quarter of 1953 and further such requests will be made quarterly during the year 1953. The operator's ability to fulfill this development program may be affected by the availability of material.

9. Modification:

This Plan of Development may be modified from time to time with the approval of the Supervisor, the Commissioner, and the Commission to meet changing conditions.

Submitted this 8<sup>th</sup> day of ~~December~~ <sup>January</sup>, 1952.

BLACKWOOD & NICHOLS COMPANY  
Unit Operator

By   
A General Partner



OIL CONSERVATION COMMISSION

P. O. BOX 871  
SANTA FE, NEW MEXICO

January 3, 1953

C  
O  
P  
Y  
  
McAfee and Taft  
1316 Liberty Bank Building  
Oklahoma City 2, Oklahoma

Attention: Kenneth E. McAfee

Gentlemen:

This will acknowledge receipt on December 15, 1952 of four copies of Ratification and Joinder of Unit Agreement covering overriding royalty interests for the parties as listed in your letter of transmittal dated December 12, 1952.

The abovementioned instruments have reference to the NE Blanco Unit Area I-Sec. No. 929, OCC Case No. 318.

Very truly yours,

R. R. Spurrier  
Secretary - Director

lh

LAW OFFICES  
**McAFEE & TAFT**  
1316 LIBERTY BANK BUILDING  
OKLAHOMA CITY 2, OKLAHOMA

December 12, 1952

KENNETH E. McAFEE  
RICHARD G. TAFT  
JOE FRED GIBSON

United States Geological Survey  
P. O. Box 997  
Roswell, New Mexico

Re: NE Blanco Unit Area  
I-Sec. No. 929

Gentlemen:

We enclose herewith four copies of Ratification and Joinder of Unit Agreement covering overriding royalty interests for the following parties:

Name	
Jerry Boeggel	Sec. 25-31N-8W;
Mary B. Boeggel	Lots 2 and 5, Sec. 17-30N-7W
Brookhaven Oil Co.	Santa Fe Serial Number 079082
James M. West, Jr., et al, Trustees for James Wendell West	Serial No. Santa Fe 079001
James M. West, Jr., et al, Trustees for James Wendell West	Serial No. Santa Fe 078531
James M. West, Jr., et al, Trustees for James Wendell West	Serial No. Santa Fe 078615
Wesley W. West and Neva Watkins West	Serial No. Santa Fe 078581
Wesley W. West and Neva Watkins West	SW 3W Sec. 12; NW NW Sec. 13 E. of Joline Arroya, 30N-8W, N.M.P.M. San Juan County, N.M.
James M. West, Jr., et al, Trustees for Betty Ann West	
Wesley W. West and Neva Watkins West	Serial No. Santa Fe 079001

12/12/52

<u>Name</u>	<u>Tract</u>
Wesley W. West and Neva Watkins West	Serial No. Santa Fe 078615
James M. West, Jr., et al, Trustees for James Wendell West	Sec. 12; NW NW Sec. 13 W. of Moline Arroya, 30N-8W, N.M.P.M., San Juan County, New Mexico.
James M. West, Jr., et al, Trustees for Betty Ann West	Serial No. Santa Fe 079001
James M. West, Jr., et al, Trustees for Betty Ann West	Serial No. Santa Fe 078581
James M. West, Jr., et al, Trustees for Betty Ann West	Serial No. Santa Fe 078615

Very truly yours,

W. H. H. H.

Kenneth E. McAfee

cc: Commissioner of Public Land  
State of New Mexico  
Santa Fe, New Mexico

cc: Oil Conservation  
State of New Mexico  
Santa Fe, New Mexico

# RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

## SIGNATURES AND ADDRESSES

## DESCRIPTION

Name Jerry Poeggel  
Address 1135 E. Chittenden  
Chicago, Ill.

T. 31N, R. 8W  
Sec. 25: SE $\frac{1}{4}$

Name Mary B. Poeggel  
Address 185 East Chestnut Street  
Chicago, Illinois

T. 30N. R. 7W  
Sec. 17: Lots 2 & 5

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF Illinois  
COUNTY OF Cook

On this 10 day of October, 1952, before me personally appeared Jerry Poeggel and Mary B. Poeggel, his wife to me known to be the person s described in and who executed and delivered the foregoing instrument, and acknowledged to me that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 10 day of October, 1952.

My Commission expires:

April 14-54

Arden F. Hills  
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the Northeast Blanco Unit Area, County of San Juan, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, or interests therein or royalties presently held or which may arise under existing option agreements, or other interests in production covered by said Unit Agreement hereby severally, each to the extent of his particular ownership or interest, briefly described opposite his signature, consent to the inclusion of said lands within the Unit Area therein defined, approve and adopt the terms of said Unit Agreement and any modifications thereof approved by the Secretary of the Interior or his duly authorized representative as applicable to said several lands and interests, agree that the term of any lease given by the undersigned or under which the undersigned claims an interest herein is extended and modified to the extent necessary to make the same conform to the term of said Unit Agreement, agree that the drilling, development and producing requirements of all leases and other contracts in which their several rights and interests are created or defined shall be deemed fully performed by performance of the provisions of said Unit Agreement, and agree that payment for or delivery of (whichever may be required under prior agreements) oil and gas duly made at contract rates applied to the production allocated under said Unit Agreement to the particular lands to which such rights or interests do or shall apply, regardless of actual production therefrom, shall constitute full performance of all such obligations to the undersigned existing under such leases or other contracts.

This Ratification and Joinder of Unit Agreement may be executed in any number of counterparts with the same force and effect as if all parties had signed the same document and shall be binding upon all those who execute a counterpart hereof, regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands affected hereby, and when so executed shall be binding upon the undersigned, his heirs, devisees, assigns or successors in interest.

SIGNATURES AND ADDRESSES

DESCRIPTION

Name BROOKHAVEN OIL COMPANY  
Address By *Thos. B. Scott, Jr.*  
President

ATTEST:  
Address *Margaret A. Self*  
Secretary

P. O. Box 644  
Address Albuquerque, New Mexico

Name \_\_\_\_\_  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

STATE OF \_\_\_\_\_

STATE OF NEW MEXICO } SS.  
COUNTY OF BERNALILLO }

On this 1st day of August, 1952, before me personally appeared Thos. B. Scott, Jr., to me personally known, who, being by me duly sworn did say that he is the President of Brookhaven Oil Company and that the seal affixed to the foregoing instrument is the corporate seal of said corporation and that said instrument was signed and sealed in behalf of said corporation by authority of its Board of Directors, and said Thos. B. Scott, Jr. acknowledged said instrument to be the free act and deed of said corporation.

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

A two and one-half (2½) percent overriding royalty interest in Tract Number 16-A as described in said Unit Agreement, being Lots 5, 6, 7 and 8 of Section 19; Lots 5, 6, 9 and 10 and the East Half (E½) of the West Half (W½) of Section 30; and Lots 5, 7, 8, 11, 12 and 14 and the East Half of the West Half (E½) of Section 31, all in Township 31 N Range 7 W; and the North Half (N½) and the Southwest Quarter (SW¼) of Section 25, Township 31 N. Range 8 W; and Lots 1, 3 and 4 of Section 17, Township 30 N, Range 7 W; and the Southwest of the Northeast of Section 18, Township 30 North, Range 7 W; of NMPN as the same are covered by Santa Fe Serial Number 079002.

This Ratification and Joinder Agreement does not relate to, cover or affect the right, title or interest of Eleanor B. Scott or Thomas B. Scott or of Thomas B. Scott, Jr. in or to any otherlands or leases within or without the tract covered by said Unit Agreement.

*Harold W. White*  
Notary Public

COPY

STATE OF NEW MEXICO, 1

COUNTY OF RIO ARRIBA. 1

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of Rio Arriba County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on November 1, 1949, between the United States of America, as Lessor, and Patricia A. Seymour, as Lessee, bearing Serial No. Santa Fe 079001, insofar as said lease covers and includes, among other lands, Lots 5 and 6, S 1/2 NE 1/4 and SE 1/4 of Section 3 and all of the W 1/2 of Section 10, Township 30 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 8, Pages 321-322 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West, an undivided seven and one-half per cent (7 1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to

said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, County of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That for and in consideration of the premises and other good and valuable considerations paid to the said Trustees, the receipt and sufficiency of which are hereby acknowledged, we, the said James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ James M. West, Jr.  
James M. West, Jr.

S/ Wesley W. West  
Wesley W. West

S/ J. Arthur Platt  
J. Arthur Platt

S/ T. H. Monroe  
T. H. Monroe

S/ Philip M. Stevenson  
Philip M. Stevenson

Trustees for James Wendell West

THE STATE OF TEXAS, )

COUNTY OF HARRIS. )

On this the 25th day of June, 1953, before me personally appeared James M. West, Jr., Lerley W. West, J. Arthur Platt, T. H. Brown, and Philip M. Stevenson, to me known to be the persons described to and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated

s/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SAA)

My Commission Expires:

6-1-53



✓

COPY

STATE OF NEW MEXICO, |

COUNTY OF SAN JUAN. |

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Morance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydro-carbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on October 1, 1949, between the United States of America, as Lessor, and David C. Taylor, Executor of the Estate of R. B. McKeon, Deceased, as Lessee, bearing Serial No. Santa Fe 078581, insofar as said lease covers and includes, among other lands, Lots 1 and 2, S 1/2 NE 1/4 and SE 1/4 of Section 1 and all of the E 1/2 of Section 12, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 164, Page 527 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West, an undivided seven and one-half per cent (7 1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, County of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That for and in consideration of the premises and other good and valuable considerations paid to the said Trustees, the receipt and sufficiency of which are hereby acknowledged, we, the said James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ James M. West, Jr.  
James M. West, Jr.

S/ Wesley W. West  
Wesley W. West

S/ J. Arthur Platt  
J. Arthur Platt

S/ T. H. Monroe  
T. H. Monroe

S/ Philip M. Stevenson  
Philip M. Stevenson

Trustees for James Wendell West

THE STATE OF TEXAS, |

COUNTY OF HARRIS. |

On this the 25th day of June, 1952, before me personally appeared James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe, and Philip M. Stevenson, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated.

S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SEAL)

My Commission Expires:

6-1-53

COPY

STATE OF NEW MEXICO, {

COUNTY OF SAN JUAN. }

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on March 1, 1948, between the United States of America, as Lessor, and E. J. Ellyson, as Lessee, bearing Serial No. Santa Fe 078615, insofar as said lease covers and includes, among other lands, all of the E 1/2 of Section 24, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen D. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 164, Page 513 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West, an undivided seven and one-half per cent (7 1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said

lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS;

That for and in consideration of the premises and other good and valuable considerations, paid to the said Trustees, the receipt and sufficiency of which are hereby acknowledged, we, the said James M.

West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ James M. West, Jr.  
James M. West, Jr.

S/ Wesley W. West  
Wesley W. West

S/ J. Arthur Platt  
J. Arthur Platt

S/ T. H. Monroe  
T. H. Monroe

S/ Philip M. Stevenson  
Philip M. Stevenson

Trustees for James Wendell West

THE STATE OF TEXAS,     |

COUNTY OF HARRIS.     |

On this the 25th day of June, 1953, before me personally appeared James M. West, Jr., Wesley B. West, J. Arthur Platt, T. H. Monroe, and Philip M. Stevenson, to me known to be the persons describe in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated.

~~S/~~ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SEAL)

My Commission Expires:

6-1-53

COPY

STATE OF NEW MEXICO, |

COUNTY OF SAN JUAN. |

WHEREAS, by assignment dated June 8, 1950, recorded in the office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on October 1, 1949, between the United States of America, as Lessor, and David C. Taylor, Executor of the Estate of R. B. McKeon, Deceased, as Lessee, bearing Serial No. Santa Fe 078581, insofar as said lease covers and includes, among other lands, Lots 1 and 2, S 1/2 NE 1/4 and SE 1/4 of Section 1 and all of the E 1/2 of Section 12, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 164, Page 94 of the Records of said County, did sell and convey unto Wesley W. West an undivided three per cent (3%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said

lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NO , THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That for and in consideration of the premises and other good and valid considerations paid to the said Wesley W. West, the receipt and sufficiency of which are hereby acknowledged, I, the said Wesley W. West, joined herein by my wife, Neva Watkins West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects my said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ Wesley W. West  
Wesley W. West

S/ Neva Watkins West  
Neva Watkins West

THE STATE OF TEXAS, |

COUNTY OF HARRIS. |

On this the 25th day of June, 1952, before me personally appeared Wesley W. West and Neva Watkins West, his wife, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SEAL)

My Commission Expires:

6-1-53



COPY

STATE OF NEW MEXICO, |

COUNTY OF SAN JUAN. |

WHEREAS, by assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on September 15, 1947, between Antonion Martinez and wife, Evalgelia Martinez, and Jose Angel Martinez, as Lessor, and C. H. Nye, as Lessee, recorded in Book 130, Page 41 of the Records of said county, insofar as said lease covers and includes the SW 1/4 SW 1/4 of Section 12 and all of that part of NW 1/4 NE 1/4 of Section 13 lying and being situated West of the Moline Arroya, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 151, Page 373 of the Records of said County, did sell and convey unto Wesley W. West an undivided three per cent (3%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said

lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That for and in consideration of the premises and other good and valid considerations paid to the said Wesley W. West, the receipt and sufficiency of which are hereby acknowledged, I, the said Wesley W. West, joined herein by my wife, Neva Watkins West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects my said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ Wesley W. West  
Wesley W. West

S/ Neva Watkins West  
Neva Watkins West

THE STATE OF TEXAS, |

COUNTY OF HARRIS. |

On this the 25th day of June, 1952, before me personally appeared Wesley W. West and Neva Watkins West, his wife, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SEAL)

My Commission Expires:

6-1-53

COPY

STATE OF NEW MEXICO, |

COUNTY OF SAN JUAN. |

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on September 15, 1947, between Antonio Martinez and wife, Evangelia Martinez, and Jose Angel Martinez, as Lessor, and C. H. Nye, as Lessee, recorded in Book 130, Page 41 of the Records of said county, insofar as said lease covers and includes all of the SW 1/4 SW 1/4 of Section 12 and all of that part of NW 1/4 NE 1/4 of Section 13 lying and being situated West of the Moline Arroya, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 151, Page 379 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monree, and Philip M. Stevenson, Trustees for Betty Ann West, an undivided seven and one-half per cent (7 1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said lease insofar as the same covers and includes the above described land

has heretofore joined in and committed such lease and its rights there-  
under to the terms and provisions of that certain Unit Agreement dated  
July 16, 1951, for the development and operation of the Northeast  
Blanco Unit Area, County of San Juan and Rio Arriba, State of New  
Mexico, to which agreement reference is here made for further parti-  
cularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That for and in consideration of the premises and other good and valu-  
able considerations paid to the said Trustees, the receipt and sufficiency  
of which are hereby acknowledged, we, the said James M. West, Jr.,  
Wesley W. West, J. Arthur Platt, T. H. Monroe, and Philip M. Stev-  
enson, Trustees for Betty Ann West, do hereby RATIFY, CONFIRM and  
ADOPT said Unit Agreement referred to above insofar as the same  
covers and affects said overriding royalty in and to the above mentioned  
lease and do hereby consent to the inclusion of such overriding royalty  
within the Unit Area therein defined upon the terms and conditions set  
forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ James M. West, Jr.  
James M. West, Jr.

S/ Wesley W. West  
Wesley W. West

S/ J. Arthur Platt  
J. Arthur Platt

S/ T. H. Monroe  
T. H. Monroe

S/ Philip M. Stevenson  
Philip M. Stevenson

Trustees for Betty Ann West

THE STATE OF TEXAS, {

COUNTY OF HARRIS. }

On this the 25th day of June, 1952, before me personally appeared James M. West, Jr., Wesley A. West, J. Arthur Platt, T. H. Monroe and Phillip M. Stevenson, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated.

S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SEAL)

My Commission Expires:

6-1-53

✓

COPY

THE STATE OF NEW MEXICO, )

COUNTY OF RIO ARriba. )

WHEREAS, by assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of Rio Arriba County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on November 1, 1949, between the United States of America, as Lessor, and Patricia A. Seymour, as Lessee, bearing Serial No. Santa Fe 079001, insofar as said lease covers and includes, among other lands, Lots 5 and 6, S/2 NE/4 and SE/4 of Section 3 and all of the West Half of Section 10, Township 30 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 8, Page 301-302 of the Records of said County, did sell and convey unto Wesley W. West an undivided three per cent (3%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That for and in consideration of the premises and other good and valid con-

considerations paid to the said Wesley W. West, the receipt and sufficiency of which are hereby acknowledged, I, the said Wesley W. West, joined herein by my wife, Neva Watkins West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects my said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ Wesley W. West  
Wesley W. West

S/ Neva Watkins West  
Neva Watkins West

THE STATE OF TEXAS, |

COUNTY OF HARRIS. |

On this the 25th day of June, 1952, before me personally appeared Wesley W. West and Neva Watkins West, his wife, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SEAL)

My Commission Expires:

6-1-53

COPY

STATE OF NEW MEXICO, )

COUNTY OF SAN JUAN. )

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on March 1, 1948, between the United States of America, as Lessor, and F. J. Ellyson, as Lessee, bearing Serial No. Santa Fe 078615, insofar as said lease covers and includes, among other lands, all of the E/2 of Section 24, Township 30 North, Range 9 West, N. M. P. M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 164, Page 82 of the Records of said County, did sell and convey unto Wesley W. West an undivided three per cent (3%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, Counties of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That for and in consideration of the premises and other good and valid considerations paid to the said Wesley W. West, the receipt and sufficiency of which are hereby



acknowledged, I, the said Wesley W. West, joined herein by my wife, Neva Watkins West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects my said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

/s/ Wesley W. West  
Wesley W. West

/s/ Neva Watkins West  
Neva Watkins West

THE STATE OF TEXAS, |

COUNTY OF HARRIS. |

On this the 25th day of June, 1952, before me personally appeared Wesley W. West and Neva Watkins West, his wife, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

My Commission Expires:  
6-1-53

/s/ W. H. Skipwith, Jr  
Notary Public in and for Harris County,  
Texas

COPY

STATE OF NEW MEXICO,))

COUNTY OF SAN JUAN. ■

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on September 15, 1947, between Antonio Martinez and wife, Evaigelia Martinez, and Jose Angel Martinez, as Lessor, and C. H. Nye, as Lessee, recorded in Book 130, Page 41 of the Records of said county, insofar as said lease covers and includes all of the SW/4 SW/4 of Section 12 and all of that part of NW/4 NW/4 of section 13 lying and being situated West of the Moline Arroya, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 151, Page 385 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West, an undivided seven and one-half per cent (7-1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development

and operation of the Northeast Blanco Unit Area, County of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That for and in consideration of the premises and other good and valuable consideration of the premises and other good and valuable considerations paid to the said Trustees, the receipt and sufficiency of which are hereby acknowledged, we, the said James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for James Wendell West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED AND DELIVERED this 25th day of June, 1952.

/s/ James M. West, Jr.  
James M. West, Jr.

/s/ Wesley W. West  
Wesley W. West

/s/ J. Arthur Platt  
J. Arthur Platt

/s/ T. H. Monroe  
T. H. Monroe

/s/ Philip M. Stevenson  
Philip M. Stevenson

STATE OF TEXAS,     |  
COUNTY OF HARRIS.   |

Trustees for James Wendell West

On this the 25th day of June, 1952, before me personally appeared James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe, and Philip M. Stevenson, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated.

/s/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

My Commission Expires:  
6-1-53

(JAL)

COPY

STATE OF NEW MEXICO, |

COUNTY OF RIO ARRIBA. |

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of Rio Arriba County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on November 1, 1949, between the United States of America, as Lessor, and Patricia A. Seymour, as Lessee, bearing Serial No. Santa Fe 079001, insofar as said lease covers and includes, among other lands, Lots 5 and 6, S 1/2 NE 1/4 and SE 1/4 of Section 3 and all of the W 1/2 of Section 10, Township 30 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 8, Page 315-316 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for Betty Ann West, an undivided seven and one-half per cent (7 1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to

said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, County of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That for and in consideration of the premises and other good and valuable considerations paid to the said Trustees, the receipt and sufficiency of which are hereby acknowledged, we, the said James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for Betty Ann West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ James M. West, Jr.  
James M. West, Jr.

S/ Wesley W. West  
Wesley W. West

S/ J. Arthur Platt  
J. Arthur Platt

S/ T. H. Monroe  
T. H. Monroe

S/ Philip M. Stevenson  
Philip M. Stevenson

Trustees for Betty Ann West

THE STATE OF TEXAS, |

COUNTY OF HARRIS. |

On this the 25th day of June, 1952, before me personally appeared James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe, and Philip M. Stevenson, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated.

(SEAL)

S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

My Commission Expires:

6-1-53

COPY

STATE OF NEW MEXICO, |

COUNTY OF SAN JUAN. |

WHEREAS, by assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico; M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on October 1, 1949, between the United States of America, as Lessor, and David C. Taylor, Executor of the Estate of R. B. McKeon, Deceased, as Lessee, bearing Serial No. Santa Fe 078581, insofar as said lease covers and includes, among other lands, Lots 1 and 2, S 1/2 NE 1/4 and SE 1/4 of Section 1 and all of the E 1/2 of Section 12, Township 30 North, Range 8 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 164, Page 300 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, Philip M. Stevenson and T. H. Monroe, Trustees for Betty Ann West, an undivided seven and one-half per cent (7 1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, County of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: That for and in consideration of the premises and other good and valuable considerations paid to the said Trustees, the receipt and sufficiency of which are hereby acknowledged, we, the said James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for Betty Ann West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June,  
1952.

S/ James M. West, Jr.  
James M. West, Jr.

S/ Wesley W. West  
Wesley W. West

S/ J. Arthur Platt  
J. Arthur Platt

S/ T. H. Monroe  
T. H. Monroe

S/ Philip M. Stevenson  
Philip M. Stevenson

Trustees for Betty Ann West



THE STATE OF TEXAS, ()

COUNTY OF HARRIS . ()

On this the 25th day of June, 1952, before me personally appeared James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe, and Philip M. Stevenson, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated.

S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

(SEAL)

My Commission Expires:

6-1-53

COPY

STATE OF NEW MEXICO, |

COUNTY OF SAN JUAN. |

WHEREAS, by Assignment dated June 8, 1950, recorded in the Office of the Probate Clerk and Ex-Officio Recorder of San Juan County, New Mexico, M. J. Florance and wife, Florence A. Florance, did sell and convey unto Dan W. Johnston an overriding royalty of nineteen per cent (19%) of one-fifth (1/5) of seven-eighths (7/8) of the proceeds from the sale of all oil, gas and other hydrocarbon substances that may be produced, saved, marketed and sold from that certain Oil and Gas Lease made and entered into on March 1, 1948, between the United States of America, as Lessor, and F. J. Ellyson, as Lessee, bearing Serial No. Santa Fe 078615, insofar as said lease covers and includes, among other lands, all of the E 1/2 of Section 24, Township 30 North, Range 2 West, N.M.P.M., San Juan County, New Mexico, all as more particularly set forth in such assignment which is here referred to for further description; and

WHEREAS, the said Dan W. Johnston and Eileen E. Johnston, his wife, by assignment dated July 11, 1950, recorded in Book 164, Page 286 of the Records of said County, did sell and convey unto James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for Betty Ann West, an undivided seven and one-half per cent (7-1/2%) of the said overriding royalty conveyed as aforesaid to the said Dan W. Johnston, to which assignment and its record reference is here made for all purposes; and

WHEREAS, the owner of the working interest in and to

said lease insofar as the same covers and includes the above described land has heretofore joined in and committed such lease and its rights thereunder to the terms and provisions of that certain Unit Agreement dated July 16, 1951, for the development and operation of the Northeast Blanco Unit Area, County of San Juan and Rio Arriba, State of New Mexico, to which agreement reference is here made for further particularity.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That for and in consideration of the premises and other good and valuable considerations paid to the said Trustees, the receipt and sufficiency of which are hereby acknowledged, we, the said James M. West, Jr., Wesley W. West, J. Arthur Platt, T. H. Monroe and Philip M. Stevenson, Trustees for Betty Ann West, do hereby RATIFY, CONFIRM and ADOPT said Unit Agreement referred to above insofar as the same covers and affects said overriding royalty in and to the above mentioned lease and do hereby consent to the inclusion of such overriding royalty within the Unit Area therein defined upon the terms and conditions set forth in said Unit Agreement.

EXECUTED and DELIVERED this 25th day of June, 1952.

S/ James M. West, Jr.  
James M. West, Jr.

S/ Wesley W. West  
Wesley W. West

S/ J. Arthur Platt  
J. Arthur Platt

S/ T. H. Monroe  
T. H. Monroe

S/ Philip M. Stevenson  
Philip M. Stevenson

Trustees for Betty Ann West

THE STATE OF TEXAS, |

COUNTY OF HARRIS. |

On this the 25th day of June, 1952, before me personally appeared James M. West, Jr., Wesley W. West, J. Arthur Plat, T. H. Monroe and Philip M. Stevenson, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed and in the capacity therein stated.

(SEAL)

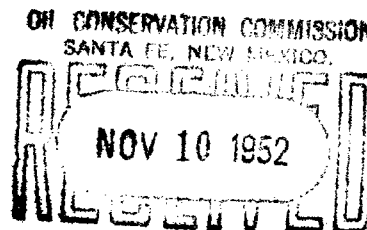
S/ W. H. Skipwith, Jr.  
Notary Public in and for Harris County, Texas

My Commission Expires:

6-1-53

P. O. BOX 933

**FOSTER MORRELL**  
 PETROLEUM CONSULTANT  
 NICKSON HOTEL BUILDING  
 ROSWELL, NEW MEXICO



November 6, 1952

The Commissioner of Public Lands  
 of New Mexico  
 Santa Fe, New Mexico

Re: Northeast Blanco Unit Agreement - Ratification  
 by Phillips Petroleum Company

My dear Mr. Commissioner:

On behalf of Blackwood & Nichols, Unit Operator of the Northeast Blanco Unit Agreement, San Juan and Rio Arriba Counties, New Mexico, I-Sec. No. 929, one copy of the following papers is submitted for your consideration and appropriate action:

- (1) Ratification and joinder of unit agreement executed August 1, 1952, by Phillips Petroleum Company.
- (2) Ratification and joinder of unit operating agreement executed August 1, 1952, by Phillips Petroleum Company.
- (3) Exhibit "1" showing the exact interests of Phillips Petroleum Company in Tracts numbered 16B, 12, 36, 35, 30 and 44, 25 and 42, 43, 46, 73 and 74.
- (4) Ratification and joinders of unit agreement by other parties being owners of basic royalty or overriding royalty interests in Tracts numbered 16B, 12, 36, 25 and 42, 43, 73 and 74.

Very truly yours,

COPY (Original Signed) Foster Morrell

Foster Morrell

FM:bmsj

cc: Mr. R. R. Spurrer, New Mexico Oil Conservation Commission ✓  
 Mr. Kenneth E. McAfee

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

*Case 318*

November 3, 1952

Seth and Montgomery  
111 San Francisco Street  
Santa Fe, New Mexico

Attention: Mr. Oliver Seth

Gentlemen:

This will acknowledge receipt of the Plan of  
Development for the calendar year 1952 Mesa Verde  
Zone Northeast Blanco Unit, Rio Arriba County, New  
Mexico.

Very truly yours,

lh

Secretary

C  
O  
P  
Y

J. O. SETH  
A. K. MONTGOMERY  
OLIVER SETH  
WM. FEDERICI  
JUSTIN T. REID

SETH AND MONTGOMERY  
ATTORNEYS AND COUNSELORS AT LAW  
III SAN FRANCISCO ST.  
SANTA FE, NEW MEXICO

August 20, 1952

Oil Conservation Commission  
Santa Fe  
New Mexico

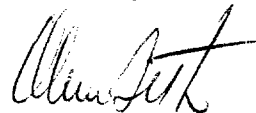
Re: Northeast Blanco Unit  
Case No. 318  
Order No. R-107

Gentlemen:

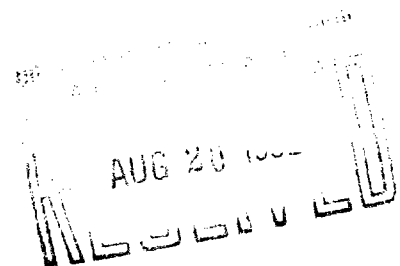
Please find enclosed herewith the Plan of Development for the calendar year 1952 Mesa Verde Zone Northeast Blanco Unit, Rio Arriba County.

It would be appreciated if you would acknowledge receipt of this Plan of Development at some convenient time.

Very truly yours,



OS/mds  
Enc



PLAN OF DEVELOPMENT FOR THE CALENDAR YEAR 1952  
MESAVERDE ZONE, NORTHEAST BLANCO UNIT, I-SEC. 929  
SAN JUAN AND RIO ARriba COUNTIES, NEW MEXICO

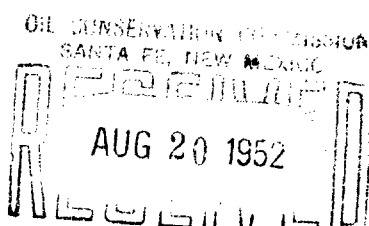
To: The Oil and Gas Supervisor  
U. S. Geological Survey  
Roswell, New Mexico

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

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

In compliance with Section 10 of the Northeast Blanco Unit Agreement approved by the Director of the U. S. Geological Survey on April 16, 1952, by the Commissioner of Public Lands of the State of New Mexico on October 23, 1951, and by the Oil Conservation Commission of the State of New Mexico on October 31, 1951, Blackwood & Nichols Company, as Unit Operator, on behalf of itself and all other owners of oil and gas leases or of operating rights under oil and gas leases covering lands committed to the Northeast Blanco Unit, hereby submit a plan of development for the Mesaverde Zone of said Northeast Blanco Unit as follows:

1. Description of Participating Area in Mesaverde Zone:  
A suggested participating area for the Mesaverde Zone of the Northeast Blanco Unit has been submitted to the U. S. Geological Survey for approval. The recommended participating area includes all acreage located within the boundaries of the Northeast Blanco Unit area described as Ranges 7 and 8 West, Township 30 North. The attached plat outlines the recommended Mesaverde participating area.
2. Past Development History of the Mesaverde Zone:  
Five wells have been completed as gas producers in the recommended Mesaverde participating area
  - a. Howell 1-B -- 3129' South of North and 1650' West of East, Section 10, T-30-N, R-7-W, Rio Arriba County, Elevation 6275' Ground. This well was completed on 4-4-51 with 7" casing set at 4287' and at a TD of 5543'. This well produced 360 MCF/day natural and after shooting zone 5013'-5523' with 900 quarts of glycerin well potentialed for 6200 MCF/day. El Paso Natural Gas Co. started purchasing this gas between the 8th and 17th of September, 1951. During April, 1952, the well produced 21395 MCF of gas and had a cumulative production of 123,777 MCF.
  - b. Howell 1-G -- 1909' North of South line and 1550' East of West line, Section 24, San Juan County, T-30-N, R-8-W, Elevation 6186' Ground. This well was completed on 10-20-51 with 7" casing at 4745' and at a TD of 5357'. This well produced 530 MCF natural and after shooting zone 4797'-5357' with 1410 quarts of





glycerin well potentialed for 3300 MCF/day. El Paso Natural Gas Co. started purchasing the gas between October 17th and 20th, 1951. During April, 1952, the well produced 9714 MCF and had a cumulative production of 89,211 MCF.

- c. Howell 2-J -- 990' North of South line, 990' West of East line, Section 1, San Juan County, T-30-N, R-8-W, Elevation 6365' Ground. This well was completed on 2-1-52 with 5-1/2" casing at 4895' and at a TD of 5720'. This well produced 3180 MCF/day natural and has not been shot. El Paso Natural Gas Co. started purchasing this gas on 3-22-52. During April the well produced 36,066 MCF of gas and had a cumulative production of 42,155 MCF.
- d. Howell 2-B -- 990' North of South line and 990' East of West line, Section 3, T-30-N, R-7-W, Rio Arriba County, Elevation 6328' DF. This well was completed on 3-29-52 with 7" casing at 4920' and at a TD of 5700'. This well was producing to El Paso Natural Gas Co.'s line during the chart period ending June 8, 1952. It was potentialed for 3000 MCF after well had been shot with 1640 quarts of glycerin in the interval 5070'-5700'. The well has not been produced sufficiently to determine its daily capacity.
- e. Florence Federal 2-43 -- NE/4 SW/4 NE/4, Section 24, T-30-N, R-8W, San Juan County. This well was completed on 4-30-52 with 7" casing at 4934' and at a TD of 5714'. On initial potential test well flowed 3120 MCF/day after zone 5024'-5714' had been shot with 1382 quarts of glycerin. On June 12, 1952, this well was producing to El Paso Natural Gas Co. line to pay them back for gas Delhi had borrowed from El Paso for drilling fuel.

The specific gravity of the gas being produced from these five wells varies between 0.630 and 0.665. The April tests indicate that the gas carries from 0.205 to 0.269 GPM.

3. Proposed Additional Wells:

We recommend drilling three (3) Mesaverde wells within the boundaries of the participating area during 1952. The tentative locations of the three proposed development wells are as follows:

- SW/4 Section 13, T-30-N, R-8-W, San Juan County.
- SW/4 Section 21, T-30-N, R-7-W, Rio Arriba County.
- SW/4 Section 5, T-30-N, R-7-W, San Juan County.

4. Offset Obligations:

The Unit Operator, on behalf of the owners of working royalty, or other interests, in the Northeast Blanco Unit, will take appropriate and adequate measures to prevent drainage from lands subject to the Northeast Blanco Unit agreement by wells on lands not subject to said agreement, or, pursuant to applicable regulations, will pay a fair and reasonable compensatory royalty as provided in Section 17 of the Northeast Blanco Unit Agreement.

5. Further Development:

We would recommend the drilling on an exploratory well to test the Mesaverde Zone in the SW/4, Section 20, T-31-N, R-7-W, San Juan County. A well is presently being drilled to test the productivity of all formations above the Morrison Zone in the NE/4 of Section 27, T-31-N, R-7-W, San Juan County.

The results of these two tests will indicate whether the Mesaverde participating area should be extended northward or not.

6. Spacing of Wells:

The Unit Operator recommends developing the Mesaverde formation on the basis of one well per 320 acre-tract, also to locate wells in the SW/4 and NE/4 of Sections where this practice is practicable. The wells now completed in the participating area conform with this pattern. After the participating area is developed on this basis the production history of the older wells would offer evidence as to whether development wells are spaced properly.

7. Well Casing Program:

The well casing program will generally follow the program currently used in the Mesaverde wells drilled in the area, including such surface casing and other casing as may be required by the Supervisor, the Commissioner, and the Commission, or as set forth in approvals of the applicable U. S. G. S. and State of New Mexico forms. The producing string of casing may be set and cemented either on top, or through, or partially through the producing zone.

8. Effective Date:

This plan of development shall be effective July 1, 1952. This plan offers the desires of the Unit Operator who has in good faith requested casing approval from the P. A. D. in Washington, D. C. to drill four wells in the Mesaverde Area during 1952. Securing approval to purchase the required tonnage and the availability of tubular material could affect the fulfillment of the recommended program.

9. Modification:

This plan of development may be modified from time to time with the approval of the Supervisor, the Commissioner, and the Commission to meet changing conditions.

Submitted this 8<sup>th</sup> day of August, 1952.

BLACKWOOD & NICHOLS CO  
Unit Operator

By: W. J. Hilseweck  
a General Partner.

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

*Ch*

October 31, 1952

Seth and Montgomery  
111 San Francisco Street  
Santa Fe, New Mexico

Attention: Mr. Oliver Seth

Dear Sirs:

The Oil Conservation Commission has this date approved the Mesa Verde Participating Area for the Northeast Blanco Unit, Case Number 318, Order Number R-107.

Very truly yours,

R. R. Spurrier  
Secretary - Director

RRS:lh  
cc:  
OCC, Aztec

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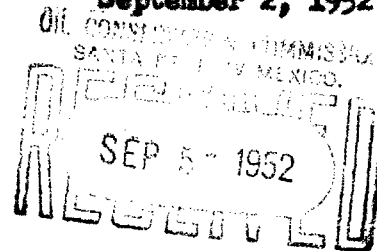
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

IN REPLY REFER TO:

Case 318

P. O. Box 997  
Roswell, New Mexico

September 2, 1952



Mr. Foster Morrell  
Nickson Hotel Building  
Roswell, New Mexico

Dear Mr. Morrell:

Enclosed is a copy of a Plan of Development for the  
Calendar Year 1952, for the Mesaverde Zone, Northeast Blanco Unit  
I-Sec. No. 929, San Juan and Rio Arriba Counties, New Mexico,  
submitted by Blackwood & Nichols Co., Unit Operator.

Said plan was approved on September 2, 1952.

Sincerely yours,

JOHN A. ANDERSON  
Regional Oil and Gas Supervisor

Enclosure

cc: Commissioner of Public Lands, State of New Mexico  
New Mexico Oil Conservation Commission

J. O. SETH  
A. K. MONTGOMERY  
OLIVER SETH  
WM. FEDERICI  
JUSTIN T. REID

SETH AND MONTGOMERY  
ATTORNEYS AND COUNSELORS AT LAW  
III SAN FRANCISCO ST.  
SANTA FE, NEW MEXICO

August 13, 1952

Oil Conservation Commission  
Santa Fe  
New Mexico

Re: Northeast Blanco Unit  
Case No. 318  
Order No. R-107

Gentlemen:

Please find enclosed herewith an application for approval of the Mesa Verde Participating Area for the Northeast Blanco Unit, together with attachments.

This is being submitted for your approval pursuant to Section 11 of the above entitled unit agreement.

Application for approval of the participating area has been likewise submitted to the USGS.

It would be appreciated if you would advise us of its approval.

Very truly yours,



OS/mfl

Enclosures



APPLICATION FOR APPROVAL OF MESAVERDE PARTICIPATING  
AREA FOR THE NORTHEAST BLANCO UNIT, I-Sec. No. 929  
SAN JUAN AND RIO ARriba COUNTIES, NEW MEXICO

TO: THE DIRECTOR OF THE U. S. GEOLOGICAL SURVEY  
WASHINGTON, D. C.

COMMISSIONER OF PUBLIC LANDS  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

OIL CONSERVATION COMMISSION  
STATE OF NEW MEXICO  
SANTA FE, NEW MEXICO

Pursuant to the provisions of Section 11 of the Unit Agreement approved by the Director of the U. S. Geological Survey on April 16, 1952, by the Commissioner of Public Lands of the State of New Mexico on October 23, 1951, and by the Oil Conservation Commission of the State of New Mexico on October 31, 1951, affecting lands in the Northeast Blanco Area in San Juan and Rio Arriba Counties, New Mexico, Blackwood & Nichols Company, as Unit Operator, on behalf of itself and Stanolind Oil & Gas Company, A. M. Lloyd, Nelson and Edward Morris, Ltd., El Paso Natural Gas Company, Delhi Oil Corporation, T. H. McIlvain and Phillips Petroleum Company, owners of oil and gas leases or of operating rights under oil and gas leases covering lands within the area hereinafter described, hereby submit for your approval a selection of lands to constitute the initial participating area for the Mesaverde Zone, found to be productive in the following wells:

<u>Name of Well</u>	<u>Location</u>
Howell 1-G	Sec. 24, T-30-N, R-8-W NE SE SW 1090' N of S 1550' E of W
Howell 2-J	Sec. 1, T-30-N, R-8-W NE SW SW 990' N of S 990' E of W
Howell 1-B	Sec. 10, T-30-N, R-7-W SE NW NE 1129' S of N 1650' W of E

<u>Name of Well (Continued)</u>	<u>Location</u>
Howell 2-B	Sec. 3, T-30-N, R-7-W NE SW SW 990 N of S 990 E of W
Florence Federal 2-43	Sec. 24, T-30-N, R-8-W NE SW NE

El Paso Natural Gas Company has drilled the Florence 3-B, a Fruitland well, in the NE SW SW of Section 3, T-30-N, R-7-W, to a depth of 3025'. At present it is not considered commercial in that zone.

all of said wells being in 30N-7W and 30N-8W, San Juan and Rio Arriba Counties, New Mexico. The lands selected by the applicant to constitute the initial participating area for said producing zone are as follows:

NEW MEXICO PRINCIPAL MERIDIAN

Township 30 North, Range 7 West:

Sec. 2 - All  
 Sec. 3 - All  
 Sec. 4 - All  
 Sec. 5 - All  
 Sec. 6 - All  
 Sec. 7 - All  
 Sec. 8 - All  
 Sec. 9 - All  
 Sec. 10 - All  
 Sec. 16 - All  
 Sec. 17 - All  
 Sec. 18 - All  
 Sec. 19 - All  
 Sec. 20 - All  
 Sec. 21 - All  
 Sec. 22 - W/2 W/2  
 Sec. 29 - N/2

Township 30 North, Range 8 West:

Sec. 1 - All  
 Sec. 12 - All  
 Sec. 13 - All  
 Sec. 24 - All

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

El Paso Natural Gas Company	21.164233%
Delhi Oil Corp.	8.402107%
Stanolind Oil & Gas Co.	30.399237%
Blackwood & Nichols Company	24.295750%

the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed, in the capacity therein stated, and as the act and deed of said partnership.

GIVEN under my hand and seal of office, this 8th day of August  
\_\_\_\_\_ 1952.

Bastara Johnson  
Notary Public

My commission expires:

My Commission Expires Mar. 7, 1955  
\_\_\_\_\_



Owner:	Stanford		
Operator:	Don L. Howell, et al	3-1/2%	00195544
Property:	U S A	2-1/2%	00698377
Operating Rights:			
	El Paso Natural Gas	100%	04693064

### TRACT #9

Owner:	Hervace F. McKay		
Serial Number:	Santa Fe 079042		
Lease Description:	T30N-R7W		
	Sec. 5, All		
	Sec. 6, Lots 8, 9, 10, 11, 12, 13,		
	14, 15, 16, 17, 18, 19, 20, 21,		
	SE/4 NW/4,		
	NE/4 SW/4,		
	Sec. 7, Lots 5, 6, 7, 8, 9, 12,		
	13, 14, 15, 16,		
	E/2 NE/4,		
	Sec. 8, Lots 1, 2, 3,		
	E/2, NW/4,		
Amount of Acctage	1,779.91		
Percentage of Participation:			0459157
Overriding Royalties:			
	Hervace F. McKay	2.5%	00388979
Property:	U S A	2-1/2%	01164896
Operating Rights:			
	Stanford	50%	
	Blackwood & Nichols Co.	39.0625000%	
	Nelson & Edward Morris Ltd.	9.5703125%	
	A. M. Lloyd	1.3671875%	

### TRACT #10-Part

Owner:	Hervace F. McKay, Jr		
Serial Number:	Santa Fe 079043		
Lease Description:	T30N-R7W		
	Sec. 4, Lots 5, 6, 7, 8,		
	S/2 N/2, SE/4		
	Sec. 9, N/2, W/2 SW/4		
Amount of Acctage	278.72		
Percentage of Participation:			07661667
Overriding Royalties:			
	Hervace F. McKay	2.5%	00192034
Property:	U S A	2-1/2%	0096017
Operating Rights:			
	Stanford	50%	
	Blackwood & Nichols Co.	39.0625000%	
	Nelson & Edward Morris Ltd.	9.5703125%	
	A. M. Lloyd	1.3671875%	

# EXHIBIT B

## NORTHEAST BLANCO UNIT, 1-Sec. 929 SAN JUAN and RIO ARriba COUNTIES, NEW MEXICO PARTICIPATING AREA MESAVERDE ZONE

### TRACT #1A

Owner: Ben R. Howell  
 Section Number: Santa Fe 078581A  
 Section Description: T30N-R8W  
 Sec. 1, 1/4  
 Sec. 12, 1/4  
 E/2 SW 1/4  
 NW 1/4 SW 1/4  
 Amount of Acreage: 603.43  
 Percentage of Participation: 05273160  
 Overriding Royalties:  
 Ben R. Howell 1% 00052731  
 Royalty: B. R. A. 12.12% 00359175  
 Mineral Rights:  
 B. R. A. 100% 00361711

### TRACT #1B

Owner: Charles J. Horan and P. M. McCuthey  
 Section Number: Santa Fe 078581A  
 Section Description: T30N-R8W  
 Sec. 1, 1/4  
 Sec. 12, 1/4  
 Amount of Acreage: 603.43  
 Percentage of Participation: 05604811  
 Overriding Royalties:  
 C. J. Horan et al 13.5% 01036890  
 Royalty: B. R. A. 12.12% 00700663  
 Mineral Rights:  
 B. R. A. 100% 003867322

### TRACT #2A

Owner: Ben R. Howell  
 Section Number: Santa Fe 078615  
 Section Description: T30N-R8W  
 Sec. 14, 1/2  
 Amount of Acreage: 320

11-13%

11-13%

11-13%

11-13% National Gas 100%

11-13%

### TRACE #2B

11-13%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13%

11-13%

11-13% National Gas 18.5%

11-13%

11-13% National Gas 100%

11-13%

11-13%

11-13% National Gas 100%

11-13%

### TRACE #3A

11-13%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

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11-13%

11-13% National Gas 100%

11-13%

### TRACE #4B

11-13%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

11-13% National Gas 100%

TRACT #12

Lessee: Mary C. Hagood  
Serial Number: Santa Fe 079053  
Lease Description: T30N-R7W  
Sec. 19, Lots 12, 13,  
E/2 SW/4  
Amount of Acreage: 103.60  
Percentage of Participation: .00905624  
Overriding Royalties:  
Mary C. Hagood and L. N. Hagood 5% .00045281  
Royalty: U. S. A. 12-1/2% .00113203  
Operating Rights:  
Phillips Petroleum Co. 100% .00747140

TRACT #13

Lessee: A. M. Lloyd  
Serial Number: Santa Fe 079060  
Lease Description: T30N-R7W  
Sec. 9, SE/4, E/2 SW/4  
Sec. 17, N/2 NE/4, SE/4 NE/4, E/2 SE/4  
Sec. 19, Lots 10, 11, S/2 SE/4  
Sec. 20, NE/4, E/2 NW/4, S/2  
Sec. 21, All  
Sec. 22, W/2 NW/4, NW/4 SW/4  
Sec. 29, N/2  
Amount of Acreage: 2236.44  
Percentage of Participation: .19549933  
Overriding Royalties:  
W. B. Collins 2.5% .00488748  
Royalty: U. S. A. 12.5% .02443742  
Operating Rights: .16617443  
Stanolind 50%  
Blackwood & Nichols Co. 39.0625000%  
Nelson & Edward Morris Ltd. 9.5703125%  
A. M. Lloyd 1.3671875%

TRACT #14

Lessee: Charles B. Gonsales  
Serial Number: Santa Fe 079073  
Lease Description: T30N-R7W  
Sec. 18, Lots 5, 6, 7, 8, 9,  
10, 11, 12, 13, 14,  
E/2 W/2  
Amount of Acreage: 371.07  
Percentage of Participation: .03243724

Overriding Royalties:			
Charles B. Gonsales	2.5%		.00081093
Royalty:	U. S. A.	12-1/2%	.00405466
Operating Rights:			.02757165
Stanolind	50%		
Blackwood & Nichols Co.	39.0625000%		
Nelson & Edward Morris Ltd.	9.5703125%		
A. M. Lloyd	1.3671875%		

TRACT #15

Lessee:	T. H. McElvain		
Serial Number:	Santa Fe 079074		
Lease Description:	T30N-R7W		
	Sec. 17, Lots 6, 7, 8,		
	Sec. 20, Lots 1 and 2		
	Sec. 22, SW/4 SW/4		
Amount of Acreage:	173.12		
Percentage of Participation:			.01513336
Overriding Royalties:	None		
Royalty:	U. S. A.	12-1/2%	.00189167
Operating Rights:			.01324169
	T. H. McElvain		

TRACT #16A-Part

Lessee:	Eleanor B. Scott		
Serial Number:	Santa Fe 079082		
Lease Description:	T30N-R7W		
	Sec. 17, Lots 1, 3, 4,		
	Sec. 18, SW/4 NE/4		
Amount of Acreage:	81.83		
Percentage of Participation:			.00715320
Overriding Royalties:			
Eleanor B. Scott	2.5%		.00017883
Royalty:	U. S. A.	12-1/2%	.00069415
Operating Rights:			.00608022
Stanolind	50%		
Blackwood & Nichols Co.	39.0625000%		
Nelson & Edward Morris Ltd.	9.5703125%		
A. M. Lloyd	1.3671875%		

TRACT #16B-Part

Lessee:	Eleanor B. Scott
Serial Number:	Santa Fe 079082

Lease Description: T30N-R7W  
Sec. 17, Lots 2 and 5.

Amount of Acreage: 51.62

Percentage of Participation: .00451237

Overriding Royalties:  
Thomas B. Scott, et al 6.5% .00029331

Royalty: U.S.A. 12-1/2% .00056404

Operating Rights:  
Phillips Petroleum Co. 100% .00365502

TRACT #17

Lessee: Paul D. Lindsey and Ben R. Howell  
Serial Number: Santa Fe 07951  
Lease Description: T30N-R8W  
Sec 13, SW/4 NW/4,  
W/2 SW/4,  
SE/4 SW/4.

Amount of Acreage: 160

Percentage of Participation: .01398647

Overriding Royalties:  
Hazel Bolack and Ben R. Howell 3% .00041959

Royalty: U.S.A. 12-1/2% .00174831

Operating Rights:  
El Paso Natural Gas 100% .01181857

TRACT #22

Lessee: Albert M. Senter, Jr.  
Serial Number: N.M. 03845  
Lease Description: T30N-R7W  
Sec. 19, Lots 5, 6, 7, 8 and 9  
E/2 NW/4.

Amount of Acreage: 166.76

Percentage of Participation: .01457739

Overriding Royalties: None

Royalty: U.S.A. 12-1/2% .00182217

Operating Rights: .01275522

Stanolind 50%  
Blackwood & Nichols Co. 39.0625000%  
Nelson & Edward Morris Ltd. 9.5703125%  
A. M. Lloyd 1.3671875%

TRACT #35

Lessee: Malco Refineries, Inc.  
Serial Number: E-289-6  
Lease Description: T30N-R7W  
Section 2  
E/2 NW/4

Amount of Acreage: 80

Percentage of Participation: .00699323

Overriding Royalties:  
Malco Refineries, Inc. 5% .00034967

Royalty: State 12-1/2% .00087415

Operating Rights:  
Phillips Petroleum Co. 100% .00576941

TRACT #36

Lessee: Francis L. Harvey  
Serial Number: #-289-9  
Lease Description: T30N-R7W  
Section 2  
W/2 NW/4, S/2

Amount of Acreage: 399.29

Percentage of Participation: .03490410

Overriding Royalties:  
Levi A. Hughes 5% .00174520

Royalty: State 12-1/2% .00436301

Operating Rights:  
Phillips Petroleum Co. 100% .02879589

TRACT #38

Lessee: Stanolind  
Serial Number: E-178-1  
Lease Description: T30N-R7W  
Section 16  
W/2

Amount of Acreage: 320

Percentage of Participation: .02797293

Overriding Royalties: None

Royalty: State 12-1/2% .00349662

Operating Rights: .02447691

Stanolind 50%  
Blackwood & Nichols Co. 39.0625000%  
Nelson & Edward Morris Ltd. 9.5703125%  
A. M. Lloyd 1.3671875%

TRACT #55-Part

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 7, E/2 NW/4, Being part of  
Tract 40  
Sec. 6, NW/4 SE/4, South 14 acres  
of the SW/4 NE/4, being  
South part of Tract 39.

Amount of Acreage: 134

Percentage of Participation: 00071366

Overriding Royalties: None

Royalty: Ramon M. Lucero 12-1/2% 00046423

Operating Rights: 00024945

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #56-Part

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 6, North 13 acres of NW/4  
NE/4, being part of Tract 39

Amount of Acreage: 13

Percentage of Participation: 00013640

Overriding Royalties: None

Royalty: S. M. Lucero 12-1/2% 00014205

Operating Rights: 00099435

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #57

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 6, South 27 acres of NW/4 NE/4  
and North 26 acres of SW/4  
NE/4, being part of Tract 39.

Amount of Acreage: 53

Percentage of Participation: 00463302

Overriding Royalties: None

Royalty: Camillo Martinez 12-1/2% 00057913

Operating Rights: 00405389

Stanolind	50%
Blackwood & Nichols	39.0625000%



Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #58

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 7, Lots 10 and 11

Amount of Acreage: 21.39

Percentage of Participation: .00186982

Overriding Royalties: None

Royalty: Manuel A. Lucero 12-1/2% .00023373

Operating Rights: .00163609

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #59

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 7, S/2 NE/4 SW/4, being the  
South 20 acres of Tract 40  
Sec. 7  
and 8, E/ 80 acres of Tract 41  
Sec. 8, North 40 acres of Tract 42

Amount of Acreage: 140

Percentage of Participation: .01223816

Overriding Royalties: None

Royalty: Santiago Velasquez and C. H. Nye 12-1/2% .00152977

Operating Rights: .01070839

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #60

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 6, N/2 SE/4 SW/4, being North  
20 acres of Tract 40  
Sec. 7  
and 18, 80 acres in West part of Tract 41  
Sec. 8,  
and 17, SW/4 SW/4, being part of Tract 42

Amount of Acreage: 140

Percentage of Participation: .01223816

Overriding Royalties: None

Royalty: Simon Velasquez 12-1/2% .00152977

Operating Rights: .01070839

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #61

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 17, S/2 NW/4, and N/2 NW/4,  
being part of Tract 41

Amount of Acreage: 160

Percentage of Participation: .01398647

Overriding Royalties: None

Royalty: Ramon M. Lucero 12-1/2% .00174831

Operating Rights: .01223816

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

Tract #62

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 17, NW/4 NW/4  
Sec. 18, NE/4 NE/4, being part of  
Tract 42

Amount of Acreage: 80

Percentage of Participation: .00689323

Overriding Royalty: None

Royalty: Simon Velasquez 12-1/2% .00087415

Operating Rights: .00611908

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #63

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 18  
and 17, S/2 SE/4, NW/4 SE/4  
being part of Tract 45

Amount of Acreage: 120

Percentage of Participation: .01048985

Overriding Royalties: None

Royalty: Saul A. Yager, et al 12-1/2% 00131123

Operating Rights: .00917862

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #64

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 19, W/2 NE/4, being Tract 46

Amount of Acreage: 80

Percentage of Participation: 00699323

Overriding Royalties: None

Royalty: Silviano M. Lucero 12-1/2% .00087415

Operating Rights: .00618908

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #65

Lessee: Stanolind

Lease Description: T30N-R7W  
Sec. 19  
and 20, NE/4 NE/4, being part of Tract 45

Amount of Acreage: 40

Percentage of Participation: .00349666

Overriding Royalties: None

Royalty: Saul A. Yager, et al 12-1/2% .00043708

Operating Rights: .00305958

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #66

Lessee: A. M. Lloyd

Lease Description: T30N-R7W  
Sec. 4, E/2 SW/4

Amount of Acreage: 80

Percentage of Participation:

.00699323

Overriding Royalties: None

Royalty: Florence Owens 12-1/2%

.00087415

Operating Rights:

.00611908

Blackwood & Nichols Co.	78.125000%
Nelson & Edward Morris, Ltd.	19.140625%
A. M. Lloyd	2.734375%

TRACT #69

Lessee: Stanolind

Lease Description: T30N-R8W

Sec. 13, The East 18.85 acres of  
the NE/4.

Amount of Acreage: 18.85

Percentage of Participation:

.00164778

Overriding Royalties: None

Royalty: Ben Case and C. H. Nye 12-1/2%

.00020597

Operating Rights:

.00144181

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT 3 #70

Lessee: Stanolind

Lease Description: T30N-R8W

Sec. 13, The West 65.55 acres of the NE/4;  
NE/4 SE/4 except the West 100 feet  
thereof and except 2 acres in SW  
corner of NE/4 SE/4; and East 20  
acres of the NW/4 SE/4.

Amount of Acreage: 120.15

Percentage of Participation:

.01050296

Overriding Royalties: None

Royalty: Simon Velasquez 12-1/2%

.00131287

Operating Rights:

.00919009

Stanolind	50%
Blackwood & Nichols Co.	39.0625000%
Nelson & Edward Morris, Ltd.	9.5703125%
A. M. Lloyd	1.3671875%

TRACT #73

Lessee: Phillips Petroleum Co.  
Lease Description: T30N-R8W  
Sec. 13, West 61.15 acres of E/2 NE/4  
and East 14.45 acres of W/2 NE/4  
Amount of Acreage: 75.60  
Percentage of Participation: .00660860  
Overriding Royalty: None  
Royalty: Edward V. Long 12-1/2% .00082607  
Operating Rights:  
Phillips Petroleum Co. 100% .00578253

TRACT #74

Lessee: Phillips Petroleum Co.  
Lease Description: T30N-R8W  
Sec. 13, N/2 NW/4, SE/4 NW/4, NE/4 SW/4  
Except a certain piece of land situated at a place called  
Los Martinez in Largo Precinct, enclosed in Home-  
stead Certificate No. 1125 given by the United States  
Government to Felipe Santiago Martin February 25,  
1885, said homestead certificate including the above  
described land, said piece of land being described as  
follows: BEGINNING at the Southwest corner (a) going  
North following Western line to a point (b) 300 yards,  
from B in an Easterly direction, measure 80 yards to  
a point (c) from point C running South 70 yards, thence  
running east 70 yards, thence North 70 yards, thence  
West back to point C 70 yards, on which tract is built  
a chapel dedicated to "Our Lady of Guadalupe", to-  
gether with right of way to and from public road from  
Blanco to Pine View;  
and except all that part of the Northwest Quarter (NW/4)  
of the Northwest Quarter (NW/4) of said Section 13  
lying, being and situated West of the Molino Arroyo.  
Amount of Acreage: 139  
Percentage of Participation: .01215074  
Overriding Royalty: None  
Royalty: Elvin Lewis, et al 12-1/2% .00151884  
Operating Rights:  
Phillips Petroleum Co. 100% .01063190

TRACT #75

Lessee: Delhi Oil Corp.  
Lease Description: T30N-R8W  
Sec. 12, SW/4 SW/4  
Sec. 13, 20 acres in NW corner of NW/4 NW/4.

Amount of Acreage: 60

Percentage of Participation:

Overriding Royalties:

M. J. Florance 17.5%

Royalty: M. J. Florance 12.5%

Operating Rights:

Phillips Petroleum Co. 100%

.00521492

.00091787

.00065561

.00367143

[illegible]

Well No.	Participating Area		Working Interest Participation % of W.I.	Royalty Participation % of Production	G. R. & Production % of Production	Operator
	Area Acres	Committed Acres				
61	160.00	160.00	87.5	0.1396647	0.1223816	12.5
62	80.00	80.00	87.5	0.0699323	0.0611908	12.5
63	120.00	120.00	87.5	0.1048983	0.0717862	12.5
64	80.00	80.00	87.5	0.0699323	0.0611908	12.5
65	40.00	40.00	87.5	0.0349656	0.0305959	12.5
66	80.00	80.00	87.5	0.0699323	0.0611908	12.5
67	80.00	-0-				
68	40.00	-0-				
69	18.85	18.85	87.5	0.0164778	0.0144191	12.5
70	120.15	120.15	87.5	0.1050296	0.0919009	12.5
71	6.80	-0-				
72	2.00	-0-				
73	75.60	75.60	87.5	0.0660860	0.0578253	12.5
74	156.60	139.00	87.5	0.1215074	0.1063190	12.5
75	60.00	60.00	70	0.0524492	0.0367144	12.5
Totals	12,146.03	11,439.63		1.0000000	.82547274	
Totals Committed:						Percentage
Fee Lands						0.1289239
State Lands						0.0498701
Federal Lands						0.80.928
11,439.63						1.0000000



## EXHIBIT "C"

### GEOLOGICAL AND ENGINEERING MEMORANDUM

Formation of a Participating Area for  
Mesaverde Producing Zone in Northeast  
Blanco Unit, San Juan and Rio Arriba  
Counties, New Mexico.

The Northeast Blanco Unit lies in the approximate structural center of the northeast/southwest trending San Juan Basin. There is some evidence of a northwest/southeast trending structure across the approximate center of the Northeast Blanco Unit. Sub structural conditions at the present time can only be inferred and there is no knowledge of the structural relationship with this unit and the Blanco Unit to the southwest.

Both the Cliff House and the Point Lookout Sandstone formations of the Mesaverde formation have been identified in wells drilled within the unit area.

As of May 15, 1951, five wells had been completed inside the Northeast Blanco Unit area to successfully produce from the Mesaverde Sandstone formation. The completion data for these wells as well as wells offsetting the unit area are included as a part of this report in Table No. 1. All Mesaverde wells drilled by El Paso Natural Gas Company prior to application of the Unit Area are now connected and producing to the El Paso Natural Gas Company gas gathering system. The well drilled by Delhi, Florence Federal # 43 in Section 24, T30N, R8W is connected and producing to Southern Union Gas Gathering System.

MESAVERDE PARTICIPATING AREA  
NORTHEAST BLANCO UNIT I-Sec. 927

El Paso Natural Gas Co.

Tract	Acres	% Working Interest		Override
		Operating	Share Participation	
1A	603.23	.05273160	86 1/2	.04561283 1%
2A	320.00	.02797293	86 1/2	.02419658 1%
6A	638.75	.05583660	60	.03350196 27 1/2%
6B	639.13	.05586981	84	.04693064 3 1/2%
17	160.00	.01398647	84 1/2	.01181857 3%
75	60.00	.00524492	70	.00367144 17 1/2%
Totals	<u>2,421.11</u>	<u>.21164233</u>		<u>.16573202</u>

Delhi Oil Corporation

1B	641.17	.05604814	67 1/2	.03783249 20%
2B	320.00	.02797293	66 1/2	.01860200 21%
Totals	<u>961.17</u>	<u>.08402107</u>		<u>.05643449</u>

Stanolind et al.

9	1,779.91	.15559157	85	.13225283 2 1/2%
10 Part	878.72	.07681367	85	.06529162 2 1/2%
13	2,236.44	.19549933	85	.16617443 2 1/2%
14	371.07	.03243724	85	.02757165 2 1/2%
16A Part	81.83	.00715320	85	.00608022 2 1/2%
22	166.76	.01457739	87 1/2	.01275522 0
38	320.00	.02797293	87 1/2	.02447631 0
55 Part	134.00	.01171366	87 1/2	.01024945 0
56 Part	13.00	.00113640	87 1/2	.00099435 0
57	53.00	.00463302	87 1/2	.00405389 0
58	21.39	.00186982	87 1/2	.00163609 0
59	140.00	.01223816	87 1/2	.01070839 0
60	140.00	.01223816	87 1/2	.01070839 0
61	160.00	.01398647	87 1/2	.01223816 0
62	80.00	.00699323	87 1/2	.00611908 0
63	120.00	.01048985	87 1/2	.00917862 0
64	80.00	.00699323	87 1/2	.00611908 0
65	40.00	.00349666	87 1/2	.00305958 0
69	18.85	.00164778	87 1/2	.00144181 0
70	120.15	.01050296	87 1/2	.00919009 0
Totals	<u>6,955.12</u>	<u>.60798473</u>		<u>.52029926</u>

		Operating	Participation
Stanolind Oil & Gas Co.	50%	.30399237	.26014963
Blackwood & Nichols Co.	39.0625	.23749404	.20324189
Nelson & Edward Morris, Ltd.	9.5703125	.05818604	.04979427
A. M. Lloyd	1.3671875	.00831228	.00711347
		<u>.60798473</u>	<u>.52029926</u>

Phillips Petroleum Co.

<u>Tract</u>	<u>Acres</u>	<u>%</u> <u>Operating</u>	<u>Working Interest</u>		<u>O. R. R.</u>
			<u>Share</u>	<u>Participation</u>	
12	103.60	.00905624	82 1/2	.00747140	5%
16B Part	51.62	.00451237	81	.00365502	6 1/2%
35	80.00	.00699323	82 1/2	.00576941	5%
36	399.29	.03490410	82 1/2	.02879589	5%
73	75.60	.00660860	87 1/2	.00578253	0
74	139.00	.01215074	87 1/2	.01063190	0
<u>Totals</u>	<u>849.11</u>	<u>.07422528</u>		<u>.06210615</u>	

T. H. McIlvain

15	<u>173.12</u>	<u>.01513336</u>	87 1/2	<u>.01324169</u>	0
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A. M. Lloyd et al.

66	<u>80.00</u>	<u>.00699323</u>	87 1/2	<u>.00611908</u>	0
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				<u>Operating</u>	<u>Participation</u>
Blackwood & Nichols Co.		78.125%		.00546346	.00478053
Nelson & Edward Morris, Ltd.		19.140625%		.00133855	.00117123
A. M. Lloyd		2.734375%		.00019122	.00016732
				<u>.00699323</u>	<u>.00611908</u>

Recapitulation

	<u>Operating</u>	<u>Participating</u>
El Paso Natural Gas Co.	.21164233	.15573202
Delta Oil Corporation	.08402107	.05643449
Stanolind Oil & Gas Co.	.30399237	.26014963

	<u>Operating</u>	<u>Participation</u>		
Blackwood & Nichols Co.	.23749404	.20324189		
" " "	<u>.00546346</u>	<u>.00478053</u>	.24295750	.20802242
Nelson & Edward Morris, Ltd.	.05818604	.04979427		
" " " " "	<u>.00133855</u>	<u>.00117123</u>	.05952459	.05096550
A. M. Lloyd	.00831228	.00711347		
" " "	<u>.00019122</u>	<u>.00016732</u>	.00850350	.00728079
Phillips Petroleum Co.			.07422528	.06210615
T. H. McIlvain			<u>.01513336</u>	<u>.01324169</u>
			1.00000000	.82393269

## NORTHEAST BLANCO UNIT

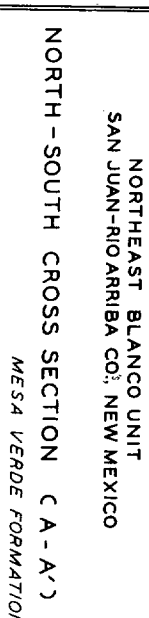
Lease	Well No.	Location	Elevation	Drilling Commenced	Com-pleted	Surface Casing	Production Casing	Shot Quarts Interval	Formation Tops	Initial Production
El Paso										
Howell	1-G	170' N of S 1550' E of W Sec 24, T30N, R8W	6186 Gr 6191 DF	8-27-51	10-20-51	9-5/8 @ 271'	7" @ 4745'	1410 4797'-5357'	CH 4720' TD 5357'	530 MCF Natural 3,300 MCF After Shot
Howell	2-J	990' N of S 990' W of E Sec. 1, T30N, R8W	6365 Gr	11-13-51	2- 1-52	9-5/8 @ 260'	5-1/2 @ 4895'	None -	PC 3295' CH 5027' TD 5720'	3,180 MCF Natural
Howell	1-B	1129' S of N 1650' W of E Sec 10, T30N, R7W	6275 Gr	4- 4-51	8-13-51	9-5/8 @ 354'	7" @ 4287'	900 5013'-5523'	PC 3155' CH 4916' PL 5503' TD 5543'	260 MCF Natural 6,200 MCF After Shot
Howell	2-B	990' N of S 990' E of W Sec 3, T30N, R7W	6328 DF	11-23-51	3-29-52	12-3/4 @ 286'	7" @ 4920'	1640 5070'-5700'	PC 3205' CH 4970' PL 5597' TD 5700'	3,000 MCF After Shot
Delhi										
Florence										
Federal	2-43	NE SW NE Sec 24, T30N, R8W		7-24-51	4-30-52	13-3/8 @ 120'	7" @ 4934'	1382 4024'-5714'	PC 3270' CH 4950' TD 5714'	3,120 MCF After Shot
El Paso										
Howell	2-E	SW NE NE Sec 14, T30N, R8W	5803 Gr	-	10-13-51	-	7" @ 3704'	1335 4469'-5056'	PC 2210' CH 4468' PL 4986' TD 5056'	8,840 MCF After Shot
Offset to Northeast Blanco Unit										
Formation Top Legend:			PC	Pictured Cliff						
			CH	Cliff House						
			PL	Point Lookout						
			TD	Total Depth						

PHILLIPS NO. 7-17 MESA UNIT 32-7  
SW/4 SEC. 17-T32N-R7W

PHILLIPS NO. 1-B MESA UNIT 32-  
SW/4 SEC 8-T3IN-R7W

BAN NO. 1-27 NEBU  
NE/4 SEC. 27 - T3IN-R7V

B&N NO. 8-10 NEBU  
SW/4 SEC. 10 - T30N-R7

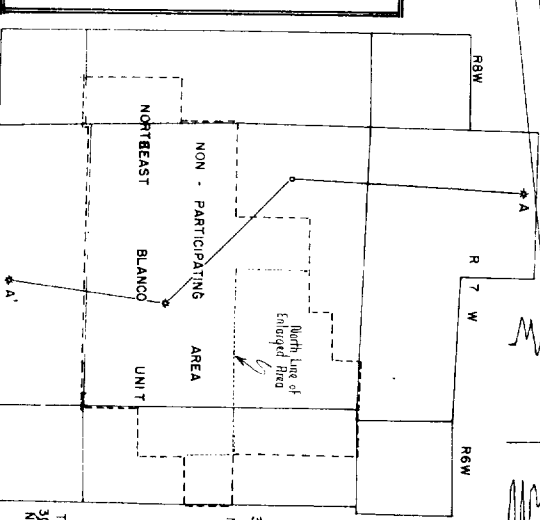


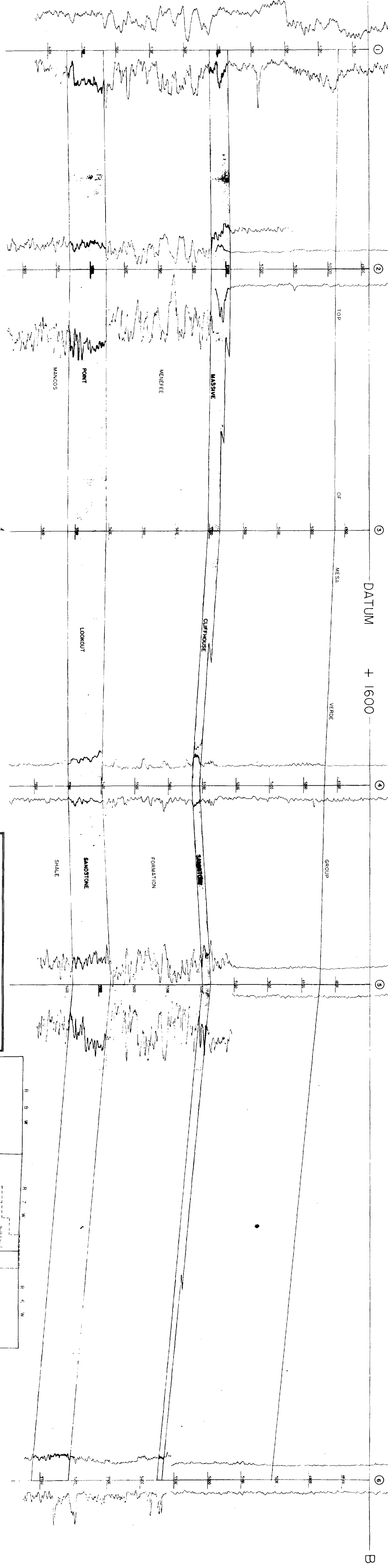
NORTH-EAST BLANCO UNIT  
SAN JUAN-RIOARIBA CO., NEW MEXICO

VERTICAL SCALE: 1" = 200'

HORIZONTAL SCALE: 1.5" = 1 MILE

2





NORTHEAST BLANCO UNIT  
SAN JUAN-RIO ARRIBA CO., NEW MEXICO

WEST-EAST CROSS SECTION (B-B')

MESA VERDE FORMATION

VERTICAL SCALE: 1" = 200'  
HORIZONTAL SCALE: 1.5" = 1 MILE

6.7.74

