

07/03/90

EXHIBIT "B"
NORTHEAST BLANCO UNIT
FIRST EXPANSION TO THE FRUITLAND COAL PARTICIPATING AREA
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL & GAS INTERESTS
(TRUE OWNERSHIP ABOVE THE MESA VERDE FORMATION)

TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF O&G ORRI
1-A	T30N 88W SEC 1: N/2 SEC 12: NW/4, E/2 SW/4, NW/4 NW/4	596.07	078581-A 10/01/49 BEN R. HOWELL	0.01833611	0.01833611	El Paso Production Company	USA 12.5%	1.0%
1-B	T30N 88W SEC 1: E/2 SEC 12: E/2	616.32	078581 10/01/49 P. M. McCULLLEY	0.01895904	0.00947952 0.00947952 ----- 0.01895904	Amoco Production Company Continental Oil Company	USA 12.5%	18.5%
2-A	T30N 88W SEC 24: W/2	320.00	078615 3/1/48 BEN R. HOWELL PAUL B. HORTON	0.00984374	0.00984374	El Paso Production Company	USA 12.5%	1.0%
2-B	T30N 88W SEC 24: E/2	320.00	078615-A 3/1/48 P. M. McCULLLEY PAUL B. HORTON	0.00984374	0.00492187 0.00492187 ----- 0.00984374	Amoco Production Company Continental Oil Company	USA 12.5%	18.5%
3	T30N 88W SEC 13: S/2 SW/4	80.00	WM-014226 1/1/54 PHILLIPS DRILLING CORPORATION	0.00246093	0.00006324 0.00004663 0.00096130 0.00057678 0.00054931 0.00008789 0.00008789 0.00008789 ----- 0.00246093	Devon Energy Corporation Meridian Oil Production Company H. H. Phillips Estate Wintergreen Energy Corporation Castle, Inc. H. H. Phillips, Jr. Jane Phillips Ladouceur Susanna Phillips Kelly	USA 12.5%	NONE
4	T31N 86W SEC 18: N/2	320.00	078970 2/01/48 AMOCO PRODUCTION CO., ET AL	0.00984374	0.00492187 0.00128045 0.00162805 0.00060906 0.00004629 0.00141902 0.00002801 ----- 0.00984374	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	USA 12.5%	NONE

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				TRAC	W.I.			
5	T31W 86W	2560.00	078988	0.07874989	0.03937495	Amoco Production Company	USA 12.5%	2.5%
	SEC 6: S/2		7/01/48		0.00960357	Meridian Oil Production Company		
	SEC 7: ALL		AMOCO		0.01302441	Blackwood & Nichols Co., Ltd.		
	SEC 18: S/2		PRODUCTION		0.00480045	BOG (New Mexico) Inc.		
	SEC 19: ALL		CO., ET AL		0.00037029	Thayer H. Laurie Trust		
	SEC 20: ALL				0.01135216	Devon Energy Corporation		
6-A	T30W 87W	638.75	079001	0.01964902	0.00982451	Amoco Production Company	USA 12.5%	20.0%
	SEC 3: LOTS 5,6		11/1/49		0.00982451	Continental Oil Company		
	S/2 NW/4		C. C. PETERS					
	SEC 10: W/2				0.01964902			
	T30W 87W		079001-A	0.01966071	0.01966071	B1 Paso Production Company		
	SEC 3: LOTS 7,8, S/2 NW/4 & SW/4		11/1/49					
7	T31W 87W	2560.00	079003	0.07874989	0.03937495	Amoco Production Company	USA 12.5%	2.5%
	SEC 22: ALL		7/1/48		0.00960357	Meridian Oil Production Company		
	SEC 27: ALL		AMOCO		0.01302441	Blackwood & Nichols Co., Ltd.		
	SEC 34: ALL		PRODUCTION		0.00480045	BOG (New Mexico) Inc.		
	SEC 35: ALL		CO., ET AL		0.00037029	Thayer H. Laurie Trust		
					0.01135216	Devon Energy Corporation		
8-A	T31W 87W	520.00	079010	0.01599607	0.00799804	Amoco Production Company	USA 12.5%	2.5%
	SEC 25: NW/4, SE/4 NW/4, S/2		7/01/48		0.00195073	Meridian Oil Production Company		
			AMOCO		0.00264558	Blackwood & Nichols Co., Ltd.		
			PRODUCTION		0.00097509	BOG (New Mexico) Inc.		
			CO., ET AL		0.00007521	Thayer H. Laurie Trust		
					0.00230591	Devon Energy Corporation		
					0.00004551	B. B. Hutchinson Trust		
					0.01599607			

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TRACT NO.	DESCRIPTION	NO. OF ACRES	NO. OF & RECORD HOLDER	SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OBLIGATION
8-B	T31N R7W SEC 23: ALL SEC 24: ALL SEC 25: W/2 NW/4, SW/4 NW/4 SEC 26: ALL	2040.00	079010 7/01/40 ANOCO PRODUCTION CO., ET AL	0.06275382	0.03137691 0.00765285 0.01037882 0.00382536 0.00079307 0.00904625 0.00017856 ----- 0.06275382	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	2.5%	
9	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 B/2 SE/4 SEC 8: LOTS 1, 2, 3, B/2 & NW/4	1779.91	079042 5/1/51 ANOCO PRODUCTION CO., ET AL	0.05475302	0.02737651 0.00667715 0.00905558 0.00333764 0.00025745 0.00789290 0.00015379 ----- 0.05475302	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	2.5%	
10	T31N R7W SEC 28: ALL SEC 31: LOTS 6, 9, 10, 13 SEC 33: ALL T30W R7W SEC 4: LOTS 5, 6, 7, 8 B/2 W/2 & SE/4 SEC 9: W/2 & W/2 SW/4	2314.56	079043 4/1/51 ANOCO PRODUCTION CO., ET AL	0.07119975	0.03559988 0.00868283 0.01177569 0.00434021 0.00033479 0.01026377 0.00020259 ----- 0.07119975	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	2.5%	

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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT	
							OP ROYALTY	OP ORRI
15	T30N R7W SEC 17: LOTS 6,7,8 SEC 20: LOTS 1,2	133.12	NM 013700-A 5/1/51 NORTHWEST PIPELINE CORPORATION	0.00409499	0.00409499	McElvain Oil & Gas Properties	USA 12.5%	NONE
16-A	T31N R7W SEC 19: LOTS 5,6,7,8 SEC 30: LOTS 5,6,9,10 B/2 W/2 SEC 31: LOTS 5,7,8,11, 12 & 14 & B/2 W/2	1022.45	079082 4/1/51 AMOCO PRODUCTION CO., ET AL	0.03145228	0.01572614 0.00383561 0.00520188 0.00191727 0.00014789 0.00453399 0.00008949	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	USA 12.5%	2.5 %
16-B	T30N R7W SEC 17: LOTS 2,5 T31N R8W SEC 25: SE/4	211.62	079082-A 4/1/51 NORTHWEST PIPELINE CORPORATION	0.00650979	0.00650979	Northwest Pipeline Corporation	USA 12.5%	5.0 %
17	T30N R6W SEC 13: SW/4 NW/4, W/2 SW/4, SE/4 SW/4	140.03	079511 9/1/49 BBN R. HOWELL	0.00430756	0.00430756	El Paso Production Company	USA 12.5%	3.0 %
18	T31N R7W SEC 19: W/2 E/2, E/2 W/2	320.00	080557 9/01/48 AMOCO PRODUCTION CO., ET AL	0.00984374	0.00492187 0.00120045 0.00162805 0.00060006 0.00004629 0.00141902 0.00002801	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	USA 12.5%	2.5%
					0.00984374			

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							OF ROYALTY	OF OP ORRI
11	T30N R7W SEC 20: E/2, E/2 W/2, W/2 SW/4 SEC 21: ALL SEC 29: ALL SEC 30: LOTS 7, 8, 11, 12, W/2 NE/4, SW/4 NE/4	2056.12	079045 4/1/51 AMOCO PRODUCTION CO., ET AL	0.06324970	0.03162485 0.00771332 0.01046084 0.00385558 0.00029741 0.00911773 0.00017997 ----- 0.06324970	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	USA 12.5%	2.5%
12	T30N R7W SEC 19: LOTS 12, 13 E/2 SW/4	103.60	079053 10/1/49 NORTHWEST PIPELINE CORPORATION	0.00318691	0.00318691	Northwest Pipeline Corporation	USA 12.5%	5.0%
13	T30N R7W SEC 9: SE/4, E/2 SW/4 SEC 17: W/2 NE/4, SW/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: W/2	2236.44	079060 9/1/48 AMOCO PRODUCTION CO., ET AL	0.06879665	0.03439833 0.00836977 0.01137824 0.00419372 0.00032349 0.00991735 0.00019575 ----- 0.06879665	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	USA 12.5%	2.5%
14	T30N R7W SEC 18: E/2 W/2, LOTS 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	371.07	079073 4/1/51 AMOCO PRODUCTION CO., ET AL	0.01141474	0.00570737 0.00139203 0.00188788 0.00069582 0.00005367 0.00164549 0.00003248 ----- 0.01141474	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	USA 12.5%	2.5%

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				PARTICIP. DECIMAL	W.I. DECIMAL					
19	T31N R7W SEC 14: W/2 W/2, SE/4 NW/4 SEC 15: ALL	640.00	NW 03356 4/01/48 BLACKWOOD & NICHOLS CO., ET AL	0.02583981	0.00630234 0.00854727 0.00315029 0.00024300 0.00744985 0.00014705 ----- 0.02583981	Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	5.0%		
20	T31N R6W SEC 30: ALL	640.00	NW 03357 2/01/49 BLACKWOOD & NICHOLS CO., ET AL	0.01968747	0.00480178 0.00651220 0.00240022 0.00018514 0.00567608 0.00011204 ----- 0.01968747	Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	5%		
21-A	T31N R7W SEC 1: LOTS 6,7,8 E/2 SE/4 SEC 10: S/2 SEC 11: W/2, W/2 SW/4, 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	2396.77	NW 03358 8/1/48 BLACKWOOD & NICHOLS CO., ET AL	0.07372867	0.01798246 0.02438790 0.00898873 0.00069336 0.02125665 0.00041957 ----- 0.07372867	Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	5%		
21-B	T31N R6W SEC 6: LOTS 8,9,10,11	31.69	NW 05058 1/1/51 BLACKWOOD & NICHOLS CO., ET AL	0.00098099	0.00023926 0.00032449 0.00011960 0.00000923 0.00028283 0.00000558 ----- 0.00098099	Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	NONE		

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				DECIMAL	W.I. DECIMAL			
22	T30N R7W SEC 19: LOTS 5,6,7,8,9, B/2 NW/4	166.76	MM 03845 8/01/52 AMOCO PRODUCTION CO., ET AL	0.00512982	0.00256491 0.00062558 0.00084842 0.00031270 0.00002412 0.00073949 0.00001460 ----- 0.00512982	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	USA 12.5%	NONE
23	T31N R7W SEC 1: LOT 5	10.31	MM 28758 11/01/76 BLACKWOOD & NICHOLS CO., ET AL	0.00031715	0.00004448 0.00001655 0.00001639 0.00010004 0.00000156 0.00000099 0.00010915 0.00000017 0.00000457 0.00000003 0.00000003 0.00001756 0.00000030 0.00000003 0.00000273 0.00000018 0.00000083 0.00000155 ----- 0.00031715	Blackwood & Nichols Co. Devon Energy Corporation (Nevada) BOG (New Mexico) Meridian Oil Production Inc. T. H. Laurie Trust B. B. Hutchinson II Trust Amoco Production Company Castle, Inc. Conoco, Inc. Susanna Phillips Kelly Jan P. Ladouceur Northwest Pipeline Corporation H. H. Phillips Estate H. H. Phillips, Jr. Texaco, Inc. Wintergreen Energy Corporation Jacquelyn N. Williams The Wiser Oil Company	USA 12.5%	NONE
24	T31N R7W SEC 16: N/2 NE/4, NE/4 NW/4 SE/4 SW/4, SE/4	320.00	R 3150-1 12/10/49 EL PASO NATURAL GAS CO.	0.00984374	0.00984374	El Paso Production Company	STATE 12.5%	5.0%

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			SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL					
25	T31N R7W SEC 16: SW/4 NE/4	40.00	E 3707-4 7/06/50 NORTHWEST PIPELINE CORPORATION	0.00123047	0.00123047	Northwest Pipeline Corporation	STATE 12.5%	5.0%	
26	T31N R7W SEC 16: W/2 W/2	160.00	E 170-1 2/13/45 AMOCO PRODUCTION CO., ET AL	0.00492187	0.00246094	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	STATE 12.5%	NONE	
27	T31N R7W SEC 16: SE/4 NE/4, SE/4 SW/4	120.00	E 5382 7/10/51 TERACO, INC.	0.00369140	0.00369140	Teraco, Inc.	STATE 12.5%	NONE	
28	T31N R7W SEC 32: E/2	320.00	E 170-1 2/13/45 AMOCO PRODUCTION CO., ET AL	0.00984374	0.00492187	Amoco Production Company Meridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	STATE 12.5%	NONE	
29	T31N R7W SEC 32: NE/4 NW/4	40.00	E 3948-1 8/02/50 JACQUELYN M. WILLIAMS	0.00123047	0.00123047	Jacquelyn M. Williams	STATE 12.5%	12.5%	
30	T31N R7W SEC 32: SE/4 NW/4 NE/4 SW/4	80.00	E 292-9	0.00246093	0.00246093	Northwest Pipeline Corporation	STATE 12.5%	5.0%	

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				PARTICIP. DECIMAL	PARTICIP. DECIMAL		OF ROYALTY	OF OPI ORRI
31	T30N R7W SEC 32: LOTS 1,2,3	44.79	B 453-4 7/16/45 JACQUELYN M. WILLIAMS	0.00137782	0.00137782	Jacquelyn M. Williams	STATE 12.5%	12.5%
32	T30N R7W SEC 32: LOT 4, SE 1/4 SW 1/4	68.32	B-11125 3/21/44 BLACKWOOD & NICHOLS CO., ET AL	0.00210164	0.00051259 0.00069518 0.00025622 0.00001976 0.00060592 0.00001196	Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOS (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	STATE 12.5%	5.0%
33	T30N R7W SEC 36: ALL	640.00	B505-6 8/21/45 EL PASO NATURAL GAS CO.	0.01968747	0.01968747	El Paso Production Company	STATE 12.5%	21.875%
34	T30N R7W SEC 2: SE 1/4	158.74	B 289-3 5/2/45 THE WISER OIL COMPANY	0.00488311	0.00488311	The Wiser Oil Company	STATE 12.5%	NONE
35	T30N R7W SEC 2: LOT 7, SE 1/4 NW 1/4	79.33	B 289-24 5/2/45 NORTHWEST PIPELINE CORPORATION	0.00244032	0.00244032	Northwest Pipeline Corporation	STATE 12.5%	5.0%
36	T30N R7W SEC 2: LOT 8, S 1/2, SW 1/4 NW 1/4	399.29	B 289-23 5/2/45 NORTHWEST PIPELINE CORPORATION	0.01228283	0.01228283	Northwest Pipeline Corporation	STATE 12.5%	5.0%

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				PARTICIP. DECIMAL	PARTICIP. DECIMAL			
38	T31N R7W SEC 16: W/2	320.00	E 17E-1 2/13/45 AMOCO PRODUCTION COMPANY ET AL	0.00984374	0.00492187 0.00120045 0.00162805 0.00060006 0.00004629 0.00141902 0.00002801 ----- 0.00984374	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	STATE 12.5%	NONE
41	T31N R8W SEC 36: S/2 NE/4, SE/4 NW/4, W/2 SW/4, SW/4 SE/4 NE/4 SE/4	280.00	E 3150-1 12/10/49 EL PASO NATURAL GAS CO.	0.00861327	0.00861327	El Paso Production Company	STATE 12.5%	5.0%
42	T31N R8W SEC 36: S/2 SW/4	80.00	E 3707-4 7/06/50 NORTHWEST PIPELINE CORPORATION	0.00246093	0.00246093	Northwest Pipeline Corporation	STATE 12.5%	5.0%
43	T31N R8W SEC 36: SW/4 NW/4, NW/4 SE/4	80.00	E 3707-5 7/06/50 NORTHWEST PIPELINE CORPORATION	0.00246093	0.00246093	Northwest Pipeline Corporation	STATE 12.5%	5.0%
44	T31N R8W SEC 36: SE/4 SE/4	40.00	E 292-9 5/2/45 NORTHWEST PIPELINE CORPORATION	0.00123047	0.00123047	Northwest Pipeline Corporation	STATE 12.5%	5.0%
45	T31N R8W SEC 36: W/2 W/2	160.00	E 5382 7/10/51 TEIACO, INC.	0.00492187	0.00492187	Teraco, Inc.	STATE 12.5%	NONE

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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF GRI
46	T31N R7W SEC 11: SE/4 SW/4 SEC 12: W/2 SE/4 SEC 14: NE/4 NW/4	320.00	NORTHWEST PIPELINE CORPORATION 12/06/56	0.00984374	0.00492187 0.00492187 ----- 0.00984374	Northwest Pipeline Corporation McElvain Oil & Gas Properties	12.5% 17.5%	NONE
47	T31N R7W SEC 1: SW/4, W/2 SE/4	320.00	AMOCO PRODUCTION COMPANY ET AL 6/15/53	0.00984374	0.00492187 0.00120045 0.00162805 0.00060006 0.00004629 0.00141902 0.00002801 ----- 0.00984374	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5%	NONE
48	T31N R7W SEC 9: S/2	320.00	AMOCO PRODUCTION COMPANY ET AL 12/12/57	0.00984374	0.00492187 0.00120045 0.00162805 0.00060006 0.00004629 0.00141902 0.00002801 ----- 0.00984374	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5%	NONE
49	T31N R7W SEC 19: NE/4 NW/4	40.00	AMOCO PRODUCTION COMPANY ET AL 11/07/57	0.00123047	0.00061524 0.00015006 0.00020351 0.00007501 0.00000579 0.00017738 0.00000350 ----- 0.00123047	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5%	NONE

07/03/90

EXHIBIT "B"
NORTHEAST BLANCO UNIT
FIRST EXPANSION TO THE FRUITLAND COAL PARTICIPATING AREA
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL & GAS INTERESTS
(TRUE OWNERSHIP ABOVE THE MESA VERDE FORMATION)

TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE LEASE DATE, & RECORD HOLDERS	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF DRILL
50	T31N R7W SEC 19: SE/4 NE/4, NE/4 SE/4	80.00	AMOCO PRODUCTION COMPANY ET AL 12/09/57	0.00246093	0.00123047 0.00030011 0.00040701 0.00015001 0.00001157 0.00035475 0.00000700 ----- 0.00246093	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE
51	T31N R7W SEC 19: SE/4 SE/4 SEC 30: NE/4 NE/4	80.00	AMOCO PRODUCTION COMPANY ET AL 1/13/57	0.00246093	0.00123047 0.00030011 0.00040701 0.00015001 0.00001157 0.00035475 0.00000700 ----- 0.00246093	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE
52	T31N R7W SEC 20: W/2 NW/4	80.00	AMOCO PRODUCTION COMPANY ET AL 11/13/57	0.00246093	0.00123047 0.00030011 0.00040701 0.00015001 0.00001157 0.00035475 0.00000700 ----- 0.00246093	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE

07/03/90

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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OIL OR
53	T31N R7W SEC 31: WEST 70 ACRES** 1N W/2 NE/4 BEING THE WEST 70 ACRES OF THE MOST WESTERLY 80 ACRES OF TRACT 51	70.00	AMOCO PRODUCTION COMPANY ET AL 1/28/58	0.00215332	0.00107666 0.00026260 0.00035614 0.00013126 0.00001013 0.00031041 0.00000613 0.00215332	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE
54	T31N R7W 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, BEING ALL OF TRACT 51 EXCEPT THE WEST 70 ACRES OF THE MOST WESTERLY 80 ACRES OF TRACT 51	90.00	AMOCO PRODUCTION COMPANY ET AL 11/10/57	0.00276855	0.00138428 0.00033763 0.00045789 0.00016877 0.00001302 0.00039910 0.00000788 0.00276855	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE

**REVERTS TO DESCRIPTION
BY ORIGINAL SURVEY,
FOLLOWED BY DESCRIPTION
BY RE-SURVEY
UNDERLINED

07/03/90

EXHIBIT "B"
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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP.		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY		PERCENT OF ORRI
				TRACT DECIMAL	TRACT DECIMAL		TRACT DECIMAL	TRACT DECIMAL	
55	T31N R7W SEC 30: 40 ACRES IN** THE CENTER OF THE SE/4 BEING THE NORTH 40 ACRES OF TRACT 49 T30N R7W SEC 7: E/2 NW/4,** BEING THE SOUTH 80 ACRES OF THE NORTH 120 ACRES OF TRACT 40 SEC 6: NW/4 SE/4,** SOUTH 14 ACRES OF THE SW/4 NE/4, BEING THE SOUTH 34 ACRES OF TRACT 39	174.00	AMOCO PRODUCTION COMPANY ET AL 11/12/57	0.00535253	0.00267627 0.00065274 0.00086525 0.00037628 0.00002517 0.00077159 0.00001523 ----- 0.00535253	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust ----- 0.00535253	12.5 %		NONE
56	T31N R7W SEC 30: 40 ACRES IN** THE S/2 SE/4, BEING THE SOUTH 40 ACRES IN TRACT 49 SEC 31: NE/4 NE/4** BEING TRACT 50 LOCATED IN SECS. 31 & 32 SEC 31: SW/4 SE/4** BEING TRACT 52; AND THE NORTH 20 ACRES OF TR. 39 T30N R7W SEC 6: NORTH 13** ACRES OF NW/4 NE/4 BEING THE S. 13 ACRES OF THE N. 33 ACRES OF TR. 39 **REFERS TO DESCRIPTION BY ORIGINAL SURVEY, FOLLOWED BY DESCRIPTION BY RE-SURVEY UNDERLINED	133.00	AMOCO PRODUCTION COMPANY ET AL 11/10/57	0.00409130	0.00204565 0.00049894 0.00067666 0.00024940 0.00001924 0.00058978 0.00001164 ----- 0.00409130	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust ----- 0.00409130	12.5 %		NONE

07/03/90

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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE		TRACT W.L.	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY OR	
			SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT DECIMAL			ROYALTY	OR DEBT
57	T30N R7W SEC 6: S. 27 ACRES OR** NW/4 NE/4 & N. 26 ACRES OF SW/4 NE/4, BEING THE N. 53 ACRES OF S. 107 ACRES OF TRACT 39	53.00	AMOCO PRODUCTION COMPANY ET AL 11/10/57	0.00163037	0.00081519 0.00019882 0.00026965 0.00009938 0.00000767 0.00023503 0.00000464 ----- 0.00163037	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE
58	T30N R7W SEC 7: LOTS 10 & 11	21.39	AMOCO PRODUCTION COMPANY ET AL 11/12/57	0.00065799	0.00032900 0.00008024 0.00010882 0.00004011 0.00000309 0.00009485 0.00000187 ----- 0.00065799	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE
59	T30N R7W SEC 7: S/2 NE/4 SW/4** BEING THE S. 20 AC OF TR 40 SEC 7: B 80 ACRES** & OF TRACT 41 SEC 8: SEC 8: N. 40 AC TR 42**	140.00	11/17/57 AMOCO PRODUCTION CO., ET AL	0.00430663	0.00215332 0.00052519 0.00071227 0.00026252 0.00002025 0.00062082 0.00001225 ----- 0.00430663	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5 %	NONE

**Refers to description by re-survey

07/03/90

EXHIBIT "B"
NORTHEAST BLANCO UNIT
FIRST EXPANSION TO THE FRUITLAND COAL PARTICIPATING AREA
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL & GAS INTERESTS
(TRUE OWNERSHIP ABOVE THE NEBA VERDE FORMATION)

SANTA FE									
TRACT NO.	DESCRIPTION	NO. OF ACRES	LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I.	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OIL	NOTE
60	T30N R7W SEC 7: N/2 SE/4 SW/4, ** BEING N. 20 ACRES OF S 40 ACRES TRACT 40 SEC 8: SE/4 SW/4 BEING** & PART OF SEC 17: TRACT 42 SEC 7: 80 ACRES IN N.** & PART OF TRACT 41 SEC 18:	140.00	11/10/57 AMOCO PRODUCTION CO., ET AL	0.00430663	0.00215332 0.00052519 0.00071227 0.00026252 0.00002025 0.00062082 0.00001225 ----- 0.00430663	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %		NONE
61	**Refers to description by re-survey T30N R7W *SEC 17: S/2 NW/4, N/2 SW/4, **being Tracts 43 & 44 *Refers to description by original survey *Refers to description by re-survey	160.00	11/12/57 AMOCO PRODUCTION CO., ET AL	0.00492187	0.00246094 0.00060022 0.00081403 0.00030803 0.00002314 0.00070951 0.00001400 ----- 0.00492187	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %		NONE
62	T30N R7W *SEC 17: NW/4 NW/4 **being part of Tract 42 SEC 18: NE/4 NE/4 *Refers to description by original survey *Refers to description by re-survey	80.00	11/10/57 AMOCO PRODUCTION CO., ET AL	0.00246093	0.00123047 0.00030011 0.00040701 0.00015901 0.00001157 0.00035475 0.00000700 ----- 0.00246093	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %		NONE

EXHIBIT "B"
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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF	
							ROYALTY	INTEREST
63	T30W R7W SEC 18: S/2 SE/4, NW/4 SE/4 SEC 19: NE/4 NE/4 According to the plat of survey filed with the Surveyor General's Office, Santa Fe, New Mexico, on November 4, 1882, and also described as Tract 45 in Sections 17, 18, 19 and 20, according to plat of inde- pendent resurvey filed with the Surveyor General's Office, Santa Fe, New Mexico, on July 19, 1915, and containing 116.28 acres, more or less, LYING EAST OF THE SAN JUAN RIVER IN RIO ARRIANA COUNTY, NEW MEXICO	116.28	9/1/53 AMOCO PRODUCTION CO., ET AL	0.00357697	0.00125194 0.00100155 0.00053856 0.00039711 0.00016375 0.00019850 0.0001593 0.0000964 ----- 0.00357698	Amoco Production Company El Paso Production Company Blackwood & Nichols Co., Ltd. Meridian Oil Production Inc. Devon Energy Corporation BOG (New Mexico) Inc. Thayer H. Laurie Trust B. S. Hutchinson Trust	NONE	NONE
64	T30W R7W SEC 19: W/2 NE/4, "being part of Tract 46 "Refers to description by original survey "Refers to description by re-survey	80.00	11/10/57 AMOCO PRODUCTION CO., ET AL	0.00246093	0.00123047 0.00030011 0.00040701 0.00015001 0.00001157 0.00035475 0.00000700 ----- 0.00246093	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. S. Hutchinson Trust	12.5 %	NONE
65	T30W R7W SEC 18: S/2 SE/4, NW/4 SE/4 SEC 19: NE/4 NE/4 According to the plat of survey filed with the Surveyor General's Office, Santa Fe, New Mexico, on November 4, 1882, and also described as Tract 45 in Sections 17, 18, 19 and 20, according to plat of inde- pendent resurvey filed with the Surveyor General's Office, Santa Fe, New Mexico, on July 19, 1915, and containing 43.72 acres, more or less, LYING WEST OF THE SAN JUAN RIVER IN SAN JUAN COUNTY, NEW MEXICO	43.72	9/1/53 AMOCO PRODUCTION CO., ET AL	0.00134490	0.00067245 0.00016401 0.0002243 0.00008198 0.00000632 0.00019387 0.00000383 ----- 0.00134490	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. S. Hutchinson Trust	12.5 %	NONE

RYHIAI "A"

SANTA FE				TRACT	TRACT	TRACT	PERCENT	NOTE
TRACT NO.	DESCRIPTION	NO. OF ACRES	BLACKWOOD & NICHOLS CO., ET AL 6/16/56	TRACT N. 1.	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY OR RRI		
66	T30N R7W SEC 4: E/2 SW/4	80.00	BLACKWOOD & NICHOLS CO., ET AL 6/16/56	0.00060022 0.00081402 0.00030003 0.00002314 0.00070951 0.00001400	Meridian Oil Production Company Blackwood & Nichols Co., Ltd. R06 (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5%		
68	T30N R7W SEC 6: SE/4 SW/4** BEING THE N. 40 AC TR. 40	40.00	AMOCO PRODUCTION CO., ET AL 4/14/58 4/15/58	0.00061524 0.00015006 0.00020351 0.00007501 0.00000579 0.00017738 0.00000350	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. R06 (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5%		
69	T30N R8W SEC 13: E. 18.85 ACRES OF THE NE/4	18.85	AMOCO PRODUCTION CO., ET AL 12/15/57	0.00028993 0.00007071 0.00009590 0.00003535 0.00000273 0.00008359 0.00000165	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. R06 (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5%		
70	T30N R8W SEC 13: W. 65.55 ACRES OF THE NE/4; NE/4 SE/4 EXCEPT THE W. 100 FT. THEROPE AND EXCEPT 2 ACRES IN THE SW CORNER THEROPE AND THE EAST 20 ACRES OF THE NW/4 SE/4	120.15	AMOCO PRODUCTION CO., ET AL 11/17/57	0.00184801 0.00045073 0.00061128 0.00022530 0.00001738 0.00053280 0.00001052	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. R06 (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. B. Hutchinson Trust	12.5%		

07/03/90

EXHIBIT "B"
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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT		WORKING INTEREST OWNER UNDER OPTION OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF O&G
				TRACT PARTICIP. DECIMAL	TRACT W.I. DECIMAL			
73	T30N R8W SEC 13: E. 14.45 ACRES OF W/2 NE/4, W. 61.15 ACRES OF E/2 NE/4	75.60	NORTHWEST PIPELINE CORPORATION 11/01/56	0.00232558	0.00232558	Northwest Pipeline Corporation	12.5 %	NONE
74	T30N R8W SEC 13: W/2 NW/4, SE/4 NW/4, NE/4 SW/4	155.60	4/17/61 NORTHWEST PIPELINE CORPORATION	0.00478652	0.00478652	Northwest Pipeline Corporation	12.5 %	NONE
EXCERPT:								
(1) A certain piece of land situated at a place called Los Martinez in Largo Precinct, enclosed in Homestead Certificate NO. 1125 given by the United State 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, then North 70 yards, then West back to point (c) 70 yards, on which tract is a chapel built to OUR LADY OF GUADALUPE, together with right of way to and from public road from Blanco to Pine View;								
(2) All that part of the Northwest Quarter (NW1/4) of the Northwest Quarter (NW1/4) of said Section 13 lying, being and situated West of Molina Arroyo.								
As to exception (1) above								
		1.00	10/6/62 NORTHWEST PIPELINE CORPORATION	0.00003076	0.00003076	Northwest Pipeline Corporation	12.5 % (Bishop of Gallup)	NONE

07/03/90

EXHIBIT "B"
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TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT M.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF ORRI
75	T30N 88W SEC 12: SW/4 SW/4 SEC 13: THAT PART OF NW/4 NW/4 LYING WEST OF THE MOLINO ARROYO	60.00	8/17/57 DELHI OIL CORPORATION	0.00184570	0.00092285 0.00092285 0.00184570	Amoco Production Company Continental Oil Company	12.5 %	17.5 %
TOTAL ACREAGE		32507.98		1.00000000				

SUMMARY OF INTERESTS

0.35491259	Amoco Production Company
0.15049285	Blackwood & Nichols Co., Ltd.
0.00054949	Castle, Inc.
0.02515332	Continental Oil Company
0.13090589	Devon Energy Corporation
0.09129415	El Paso Production Company
0.05346764	EOG (New Mexico) Inc.
0.00258969	Hutchinson, B. E. II Trust
0.00008792	Kelly, Susanna Phillips
0.00008792	Ladouceur, Jane P.
0.00427949	Laurie, Thayer H. Trust
0.00901686	McElvain Oil & Gas Properties
0.11108006	Meridian Oil Production Inc.
0.04634587	Northwest Pipeline Corporation
0.00096160	Phillips, H. H. Estate
0.00008792	Phillips, H. H. Jr.
0.00861600	Teraco, Inc.
0.00260912	Williams, J. M.
0.00057696	Wintergreen Energy Corporation
0.00488466	Wiser Oil Company
1.00000000	

EXHIBIT C

GEOLOGIC AND ENGINEERING DISCUSSION

Summary

All data collected to date indicates commercial production will be established in the proposed expansion area with the installation of gas and water gathering systems currently under construction.

Conclusions

Geologic similarities of coal thickness, coal quality and apparent permeability between the eighteen producing wells and the additional thirty-eight Basin Fruitland Coal wells drilled and waiting on pipeline connection have been established. Furthermore, the correlation between test rates and actual production from the eighteen producing wells, and the correlation between test and production data from wells within the subject area and comparable data from offset wells supports the conclusion that all wells drilled in the proposed expansion area will be commercial.

Therefore, it is believed sufficient data exist to justify the expansion of the Initial Participating Area to include the remainder of the Northeast Blanco Unit within a single Participating Area for the Basin Fruitland Coal Pool.

Discussion

Fifty-six Basin Fruitland Coal wells and one water disposal well have been drilled and completed in the area proposed as the first expansion of the Initial Participating Area. One well previously completed in the Basin Fruitland Coal Pool is being utilized for pressure observation. Twenty wells are waiting on completion and one water disposal well is currently drilling. One additional Basin Fruitland Coal well is proposed and will be drilled by year end.

Test rates for the completed wells range from 110 MCFGPD and 40 BWPD on pump to 6100 MCFGPD and 734 BWPD flowing, with an approximate average rate of 2020 MCFGPD and 508 BWPD. Eighteen of the completed wells, located across a broad portion of the area proposed for expansion, have been recently connected to pipeline and are now on production. Production for May, 1990, averaged 363 MCFGPD and 149 BWPD per well and continues to incline. Offset production from wells completed in the same coal intervals clearly exhibit commercial production. In particular, offset Basin Fruitland Coal Pool production from fifty wells in the San Juan 30-6 Unit averaged 3542 MCFGPD per well with water as of January, 1990. After three years, production rates from these wells continue to increase.

As discussed in the application for the Initial Participating Area dated March 31, 1989, the geologic basis for approval was established by virtue of subsurface data gathered from eleven Basin Fruitland Coal wells and one water disposal well drilled within that area. Further development within the Initial Participating Area along with data from the seventy-six wells drilled in the proposed expansion area clearly indicate there is no distinct geologic boundary separating the Initial Participating Area from the proposed expansion area. Every well drilled to date in the subject area has been tested at rates which indicate commercial production will be obtained from the Basin Fruitland Coal Pool. Supporting these statements are Exhibits D-1 through D-8 which consist of isopach, structure and production maps and a series of stratigraphic log cross-sections with index.

Exhibits

The total coal isopach map, labeled Exhibit D-1, demonstrates the continuity of reservoir across the Initial Participating Area and the adjacent proposed expansion area. Aggregate coal thickness across the subject area averages approximately forty-five feet, with the maximum observed thickness being eighty-five feet. Individual coalbed thickness approaches a maximum of forty feet. Coal reservoir quality as demonstrated in drill cuttings, by gas flares during well completions, gas content measurements and test rates is good to excellent across the subject area.

The Huerfanito Bentonite marker bed structure map, labeled Exhibit D-2, is drawn on a regionally correlatable time-equivalent stratigraphic marker found approximately six hundred feet below the Fruitland Coal section. Mapping on this feature provides an accurate picture of present-day structure of the coalbeds by removing the discrepancies which would result from mapping on a marker within the coal section itself, which as an overall unit is time-transgressive. The relatively mild structural relief across the entire area was previously discussed in some detail in the original application for the Initial Participating Area.

Exhibit D-3 is an area-wide plat of Basin Fruitland Coal Pool production statistics. These statistics are posted adjacent to the respective well spot showing initial test rate data for all wells tested in the Initial Participating Area and those located in the proposed expansion area. Where available, historical individual well production figures are shown which list both daily and cumulative production of gas and water for both areas. In addition, available data on those wells which are the nearest offsets to each side of the subject area are shown.

Exhibits D-4 through D-8 are a cross-section index and four stratigraphic cross-sections which tie the Initial Participating Area to the proposed expansion area via subsurface correlations. These cross-sections demonstrate that although the individual coalbeds, or seams, may bifurcate, coalesce or terminate abruptly, the overall coal-bearing section of the Fruitland Formation is fairly homogenous across the area of interest. Every well in the proposed expansion area which has penetrated the Fruitland Formation has encountered a commercially significant thickness of the coalbed methane reservoir.

EXHIBIT E

NORTHEAST BLANCO UNIT - FRUITLAND COAL DEVELOPMENT REVIEW

AREA	Well No.	Location	Completion Test Results		Current Production June, 1990		Remarks
			MCFD	/ BWD (Wet Gauges)	MCFD	/ BWD	
INITIAL PARTICIPATING AREA; SIMS MESA							Pipelines under construction.
1	401	L-09-30-7	2,617	/ 1,752			Open hole.
2	403	H-09-30-7	1,000	/ 450			Cased hole; pumping; convert to P.O.*
3	403R	G-09-30-7	10,932	/ 600			Open hole; flowing.
4	405	M-21-30-7					Not completed.
5	407	A-21-30-7	1,630	/ 76			Open hole.
6	409	N-10-30-7	8,185	/ 600			Open hole.
7	411	G-10-30-7	11,800	/ 200			Open hole.
8	413	B-20-30-7	400	/ 150			Cased hole; pumping; convert to P.O.*
9	413R	A-20-30-7					Not drilled; will be open hole.
10	415	G-02-30-7	1,991	/ 365			Open hole.
11	417	M-02-30-7	10,126	/ 288			Open hole.
12	419	M-03-30-7	18,800	/ 1,200			Open hole.
13	421	P-04-30-7	805	/ 164			Cased hole; gas lift; convert to P.O.*
14	421R	P-04-30-7	22,932	/ 1,028			Open hole; flowing.
15	423	A-08-30-7	238	/ 324			Cased hole; pumping; convert to P.O.*
16	423R						Not drilled; will be open hole.
17	425	K-08-30-7	275	/ 742			Cased hole; gas lift; convert to P.O.*
18	425R	N-08-30-7					Not completed; will be open hole.
19	427	N-16-30-7	855	/ 165			Cased hole; pumping; convert to P.O.*
20	427R	-16-30-7					Not drilled; will be open hole.
21	429	B-17-30-7	470	/ 210			Cased hole; pumping; convert to P.O.*
22	429R	B-17-30-7					Not drilled; will be open hole.
23	431	O-17-30-7					Not completed.
24	433	M-19-30-7					Not completed.
25	439	M-13-30-8	9,500	/ 360			Open hole.
26	441	G-24-30-8	720	/ 257			Cased hole; gas lift; convert to P.O.*
27	441R						Not drilled; will be open hole.
28	443	N-24-30-8	832	/ NA			Open hole.
29	475	J-19-30-7					Not drilled.
30	477	G-29-30-7	165	/ 15			Pump test.
31	479	K-20-30-7	27	/ 3			Cased and frac'd; pump test.
32	481	N-36-31-7	6,400	/ 720			Open hole.
33	483	B-36-31-7	6,084	/ 2,000			Open hole.
34	485	A-03-30-7	12,204	/ 2,400			Open hole.
35	501	E-10-30-7	-	-			SWD; completed, operating

* These wells will be converted for Pressure Observation and replaced by open hole completion redrills.

		Completion Test		Current Production		
		Results		June, 1990		
AREA	Well	MCFD	/ BWD	MCFD	/ BWD	Remarks
	No.	Location	(Wet Gauges)			
PROPOSED FIRST EXPANSION; MIDDLE MESA						
1	400	M-07-31-6	110 /	40	62 / 35	Cased hole; pumping.
2	402	A-05-30-7	5,804 /	1,000	3,161 / 581	Open hole.
3	404	E-34-31-7	145 /	30		Cased hole; pumping.
4	406	G-22-31-7	350 /	300	35 / 89	Open hole.
5	408	A-20-31-7	2,039 /	480		Open hole.
6	410	K-09-31-7	1,865 /	86		Open hole.
7	412	N-29-31-7	2,436 /	4,500		Open hole.
8	414	H-30-31-7	3,178 /	2,160		Open hole.
9	416	A-21-31-7	816 /	85	109 / 76	Open hole.
10	418	M-28-31-7				Not completed.
11	420	A-28-31-7	615 /	240	20 / 11	Open hole.
12	422	M-20-31-7	5,589 /	480	818 / 575	Open hole.
13	424	F-04-30-7				Not completed.
14	426	L-06-31-6	2,952 /	233		Open hole.
15	428	A-24-31-7	4,847 /	780	697 / 442	Open hole.
16	430	K-05-30-7	910 /	480	149 / 120	Open hole.
17	432	A-07-30-7	4,105 /	960	834 / 293	Open hole.
18	434	K-23-31-7				Not completed.
19	436	G-19-31-6	421 /	57	84 / 23	Open hole.
20	438	A-18-31-6	582 /	TSTM		Not completed.
21	440	B-11-31-7	1,454 /	154	34 / 52	Open hole.
22	442	M-11-31-7				Not completed.
23	444	A-23-31-7				Not completed.
24	446	K-33-31-7	3,848 /	171		Open hole.
25	448	G-32-31-7	3,221 /	360	224 / 384	Open hole.
26	450	N-32-31-7	519 /	838		Open hole.
27	452	G-15-31-7	1,385 /	850	34 / 20	Open hole; will install pumping unit.
28	454	A-33-31-7				Not completed.
29	456	H-26-31-7	615 /	120	185 / 114	Open hole.
30	458	A-13-31-7	264 /	TSTM	0 / 0	Open hole; will install pumping unit.
31	460	A-07-31-6	970 /	368		Open hole.
32	462	N-01-31-7	1,756 /	384		Open hole.
33	464	M-10-31-7	1,694 /	8	307 / 7	Open hole.
34	466	B-34-31-7				Not completed.
35	468	A-35-31-7				Not completed.
36	470	H-27-31-7	514 /	0		Open hole.
37	472	G-29-31-7	380 /	3,600		Open hole.
38	474	M-26-31-7	600 /	246		Open hole.
39	476	M-22-31-7	4,476 /	598		Open hole.
40	478	M-21-31-7	1,137 /	380		Open hole.
41	480	L-14-31-7				Not completed.
42	482	M-15-31-7	4,116 /	348		Open hole.
43	484	A-16-31-7	1,948 /	57		Open hole.
44	486	K-19-31-6				Not completed.
45	487	L-35-31-7				Not completed.
46	488	L-24-31-7				Not completed.
47	489	N-12-31-7				Not completed.
48	490	H-14-31-7				Not completed.
49	492	B-12-31-7				Not completed.

			Completion Test	Current Production	p. 3
			Results	June, 1990	
AREA	Well	Location	MCFD / BWD	MCFD / BWD	Remarks
	No.		(Wet Gauges)		

PROPOSED FIRST EXPANSION; MIDDLE MESA (continued)

50	494	N-27-31-7					Not completed.
51	496	L-18-31-6					Not completed.
52	498	L-13-31-7					Not completed.
53	500	D-20-31-6					Not completed.
54	502	G-32-31-7	-	/	-		SWD; completed, operating.
55	211	C-27-31-7	158	/	50		Cased hole; convert to P.O.*
56	212	O-01-31-7	-	/	-		Converted to pressure observation.
57	218	D-16-31-7	193	/	77		Cased hole; on compressor.

PROPOSED FIRST EXPANSION; PUMP MESA

Waiting for pipeline connection.

1	435	K-01-30-8	3,221	/	480		
2	437	N-12-30-8	1,236	/	240		Open hole.
3	445	M-25-31-8	4,200	/	570		Open hole.
4	447	K-36-31-8	3,800	/	480		Open hole.
5	449	N-19-31-7	828	/	561		Open hole.
6	451	B-06-30-7	4,206	/	514		Open hole.
7	453	M-06-30-7	3,311	/	497		Open hole.
8	455	B-31-31-7	2,868	/	2,057		Open hole.
9	457	F-31-31-7	3,548	/	1,200		Open hole.
10	459	G-19-31-7					Not completed.
11	461	N-07-30-7					Not drilled.
12	463	J-18-30-7	3,311	/	14		Open hole.
13	465	A-01-31-8	1,570	/	2,340		Open hole.
14	467	A-12-30-8	913	/	214		Open hole.
15	469	A-13-30-8	6,100	/	734		Open hole.
16	471	G-25-31-8	1,634	/	1,029		Open hole.
17	473	G-36-31-8	4,642	/	720		Open hole.
18	503	K-36-31-8	-	/	-		SWD; drilling.

PROPOSED FIRST EXPANSION; LA JARA

Waiting for pipeline connection.

1	491	O-25-31-7	582	/	140		Open hole.
2	493	H-25-31-7	600	/	602		Open hole.
3	495	L-30-31-6	1,644	/	TSTM		Open hole.
4	497	H-30-31-6	1,702	/	114		Open hole.
5	499	P-20-31-6	326	/	TSTM		Open hole.

EXHIBIT F

NORTHEAST BLANCO UNIT - FRUITLAND COAL PRODUCTION REVIEW

Well No.	Location	Date First Delivered	-----PRODUCING RATES-----				Cumulative Gas (MCF)	Production* Water (BW)	
			1st Week Gas (MCFD)	Average Water (BWD)	Current Gas (MCFD)	Average Water (BWD)			
1	211	C-27-31-7	06-23-88	37	76	156	44	74,420	17,111
2	218	D-16-31-7	01-15-86	42	137	170	80	9,154	13,292
3	400	M-07-31-6	02-02-90	44	80	54	33	7,043	3,040
4	402	A-05-30-7	02-01-90	187	749	2953	618	210,384	65,363
5	406	G-22-31-7	02-01-90	0	183	58	93	3,675	9,123
6	416	A-21-31-7	03-05-90	0	96	45	62	2,272	4,329
7	420	A-28-31-7	02-22-90	15	21	14	10	5,483	1,736
8	422	M-20-31-7	04-17-90	0	1144	814	503	16,265	30,912
9	428	A-24-31-7	05-09-90	99	619	575	326	7,603	9,577
10	430	K-05-30-7	02-16-90	0	245	143	119	10,513	13,800
11	432	A-07-30-7	02-14-90	3	218	777	310	44,095	37,281
12	436	G-19-31-6	05-14-90	54	53	84	36	1,692	624
13	440	B-11-31-7	04-16-90	12	168	23	49	2,932	3,498
14	448	G-32-31-7	02-20-90	0	170	174	261	7,772	29,687
15	452	G-15-31-7	04-21-90	95	34	12	22	2,182	744
16	456	H-26-31-7	05-03-90	50	272	171	97	3,554	4,165
17	458	A-13-31-7	05-23-90	10	33	0	13	72	108
18	464	M-10-31-7	05-01-90	80	0	319	12	7,772	109

* Through 5-31-90

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP

1500 Mid-America Tower
20 North Broadway
Oklahoma City, Oklahoma 73102-8260

405/235-3611
FAX 405/236-4258

July 6, 1990

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

State of New Mexico
Energy and Minerals Department
Oil Conservation Department
P. O. Box 2088
Santa Fe, New Mexico 87501

United States Department of the Interior
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Attn: Mr. John L. Keller

Northeast Blanco Unit
Wells No. 211, 212, 214, 216 and 218
Pictured Cliffs Formation
San Juan County, New Mexico

Gentlemen:

In response to your request we have reviewed the captioned Pictured Cliffs wells. None of these wells qualify to be included in the Pictured Cliffs Participating Area of the Northeast Blanco Unit since they are either non-commercial or have been recompleted and reclassified in another Pool.

All of the captioned wells were originally classified in the down hole commingled South Los Pinos Fruitland-Picture Cliffs Pool after completion in 1985. With the enactment of New Mexico Oil Conservation Division Order No. R-8769 (October 17, 1988), the South Los Pinos Pool wells were evaluated and reclassified in the Basin Fruitland Coal Pool or the South Los Pinos Fruitland Sand-Pictured Cliffs Pool.

Three of the wells, the Nos. 211, 212, and 218 have been reclassified or recompleted in Basin Fruitland Coal Pool. Currently these wells and all the other Northeast Blanco Unit Basin Fruitland Coal wells which are not within the Initial Fruitland Coal Participating Area are being evaluated for commercial capabilities. The No. 214 and 216 are both non-commercial wells and will be utilized for pressure observation or plugged and abandoned in the near future.

1) NEBU Well #211

NE,SE, Sec. 27, T31N, R7W

In 1985, the #211 well was completed in the Main Pictured Cliffs sand zone and was first delivered in January, 1986. This well produced 3,102 MCF during 1986 and 1987. In May, 1988, the Picture Cliffs sand completion was plugged and abandoned and this well was completed in the Basin Fruitland Coal. Currently this well is being evaluated for commercial capability.

Attachment #1: 5-31-88
Attachment #2: 6-07-88

Recompletion Sundry Notice
Approved C-104 Form

July 6, 1990
Pictured Cliffs Formation

2) NEBU #212

SW,SE, Sec. 1, T31N, R7W

In 1985, the #212 well was completed as an open hole Basin Fruitland Coal well; the Pictured Cliffs formation was not penetrated. This well was first delivered in January, 1986. Production from the #212 well was poor and many plugging problems were encountered due to the small casing size. By Sundry Notice to the Oil Conservation Division this well was converted to a pressure observation well.

Attachment #3: 12-21-88
Attachment #4: 3-14-90

Approved C-104 Form; Pool Change
Sundry Notice to convert to pressure
observation well

3) NEBU #214

NE,SE, Sec. 22, T31N, R7W

In 1985 the #214 well was completed in the Upper Pictured Cliffs (tongue), the Main Pictured Cliffs and the Basin Fruitland Coal. This well was first delivered in January, 1986 and produced marginal volumes of commingled gas. Since 1986 this well has produced 28,721 MCF of gas which is a commingled mixture of Pictured Cliffs and Fruitland Coal gas. This has been determined by analyzing and comparing the characteristics of the produced gas and water to that of other completions in the area which are not mixed.

In January, 1989, this well was discussed with the Aztec office of the New Mexico Oil Conservation Division. It was agreed to test and evaluate this well to determine an allocation factor for dividing the production between the Basin Fruitland Coal and South Los Pinos Pools. Then in October, 1989, a packer and bridge plug were installed to isolate and test the Upper Picture Cliffs zone performance. This test has recently been completed and as a result, we plan to plug and abandon all three zones.

4) NEBU #216

NE,SE, Sec. 27, T31N,R7W

In 1985, this well was completed in the Main Pictured Cliffs sand zone. This well has never been first delivered. In May, 1988, it was proposed to be recompleted in the Basin Fruitland Coal zones. This work has been postponed until other offset and area Basin Fruitland Coal wells are drilled and evaluated (this work is currently in progress).

The #216 Pictured Cliffs well is not capable of producing unitized substances in paying quantities. Since 1985 it has been in Temporarily Abandoned status. Future plans for the #216 well are to convert it to a pressure observation well.

Attachment #5: 1-13-90

Sundry Notice for Temporarily
Abandoned Status

July 6, 1990
Pictured Cliffs Formation

5) NEBU #218

NW,NW, Sec. 16, T31N, R7W

In 1985, the #218 well was completed as an open hole Basin Fruitland Coal well; the Pictured Cliffs formation was not penetrated. This well was first delivered in January, 1986, as a commingled South Los Pinos Pool well. In December, 1988, it was reclassified as a Basin Fruitland Coal Pool well.

Production from the #218 well from 1986 through 1989 was erratic due to the unavailability of water disposal facilities. After the completion of the NEBU #502 SWD well in January, 1990, the #218 well was returned to production and is currently being evaluated for commercial capability.

Attachment #6: 12-30-88
Attachment #7: 2-05-90

Sundry Notice to change pool name
Sundry Notice of well returned to
production

In summary, the #216 is clearly noncommercial, the #214 is a mixed completion we have only recently decided to plug, and the #211, #212, and #218 wells are now Basin Fruitland Coal completions which will be included with our application for the first expansion of the Initial Participating Area for the Basin Fruitland Coal Pool.

Should additional information be required in connection with these wells, please advise, Thank you for your cooperation.

Sincerely,
Blackwood & Nichols Co.
A Limited Partnership by
Devon Energy Corporation (Nevada),
Operating General Partner



J. M. Lacey
Vice-President

BAP:JML:jl

cc: NEBU Working Interest Owners

1983)
9-331)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIP
(Other instruction
verse side)TF
reBudget Bureau No. 1001-001-1
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF 079003

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Northeast Blanco Unit, Sec. 929	
2. NAME OF OPERATOR Blackwood & Nichols Co., Ltd.		8. FARM OR LEASE NAME Northeast Blanco Unit	
3. ADDRESS OF OPERATOR P.O. Box 1237, Durango, Colorado 81302		9. WELL NO. 211	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1040' F/NL - 1850' F/WL		10. FIELD AND POOL, OR WILDCAT South Los Pinos-Fruitland-	
14. PERMIT NO. 30-045-26368		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27, T31N, R7W	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6368' UG		12. COUNTY OR PARISH San Juan	
		13. STATE New Mexico	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETION

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANE

(Other) Change Zones

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 5-20-88 Squeezed Pictured Cliffs perforations from 3300' - 3354' and 3386' - 3400' with 100 sacks Class B cement (118 cf); final pressure - 1170 psig.
- 5-21-88 Drilled out cement from 3084' to 3410'. Pressure tested 4 1/2" casing to 1500 psig for 10 minutes - held ok.
- 5-22-88 Perforated Fruitland Coal zones with 4 SPF at 3254' - 3259' and 3228' - 3235'; and with 2 SPF at 2980' - 2986', 3007' - 3010', 3058' - 3072', 3096' - 3113' and 3141' - 3150'. Broke down formation with balls and 2,000 gallons of 7 1/2% HCl.
- 5-23-88 Fraced Fruitland Coal perforations with 62,000 gallons of 30# XL gel and 37,000# 12/20 sand.
- 5-27-88 Ran 105 joints 2 3/8" 6.4# J-55 EUE tubing (3315') and set 1 3/4" tubing pump at 3325'. Ran 7/8" Class D sucker rods and prepared well to pump.

18. I hereby certify that the foregoing is true and correct

SIGNED

William F. Clark

TITLE Operations Manager

DATE May 31, 1988

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

DATE

JUN 02 1988

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

OPERATOR

BY KIF

RECEIVED

JUN 07 1988

OIL CON. DIV
DIST. 3Form C-104
Revised 10-01-78
Format 06-01-83
Page 1STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
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U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PROMOTION OFFICE	

Operator Blackwood & Nichols Company, Ltd.	
Address P. O. Box 1237, Durango, CO 81302	
Reason(s) for filing (Check proper box)	Other (Please explain)
<input type="checkbox"/> New Well <input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> Change in Ownership	Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate

If change of ownership give name
and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Northeast Blanco Unit	Well No. 211	Pool Name, including Formation Undesignated Fruitland Coal	Kind of Lease State, Federal or Fee Federal	Lease No. SF 079003
Location				
Unit Letter <u>C</u> ; <u>1040</u> Feet From The <u>North</u> Line and <u>1850</u> Feet From The <u>West</u>				
Line of Section <u>27</u> Township <u>31N</u> Range <u>7W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Giant Industries	P. O. Box 9156, Phoenix, Arizona 85068
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	3539 E. 30th Street, Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.
	Is gas actually connected? When
	Yes

If this production is commingled with that from any other lease or pool, give commingling order number: _____

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have
been complied with and that the information given is true and complete to the best of
my knowledge and belief.

William F. Clark
 William F. Clark (Signature)
 Operations Manager
 (Title)
 June 7, 1988
 (Date)

OIL CONSERVATION DIVISION
 APPROVED JUN 11 1988
 BY *[Signature]*
 TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened
well, this form must be accompanied by a tabulation of the deviation
tests taken on the well in accordance with RULE 111.All sections of this form must be filled out completely for allow-
able on new and recompleted wells.Fill out only Sections I, II, III, and VI for changes of owner,
well name or number, or transporter, or other such change of condition.Separate Forms C-104 must be filed for each pool in multiply
completed wells.

STATE OF NEW MEXICO
OIL AND MINERALS DEPARTMENT

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	GAS
PERATOR	
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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

RECEIVED
DEC 29 1988
OIL CON. DIV.
DIST. 3

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator

Blackwood & Nichols Company, Ltd.

Address

P. O. Box 1237, Durango, Colorado 81302

Reason(s) for filing (Check proper box)

- ☒ New Well
☐ Recompletion
☐ Change in Ownership

Change in Transporter of:

- ☐ Oil ☐ Dry Gas
☐ Casinghead Gas ☐ Condensate

Other (Please explain)

Change of Pool Name

from South for Pecos
 Fnt/PC

Change of ownership give name
 and address of previous owner

DESCRIPTION OF WELL AND LEASE

Well Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Northeast Blanco Unit	212	Basin Fruitland Coal Gas	State, Federal or Fee Fee/Fed	NM03358 NM28758
Location				
Unit Letter	0	1030 Feet From The	South Line and	1650 Feet From The East
Line of Section	01	Township	31N	Range 7W, NMPM, San Juan County

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Giant Industries	P. O. Box 9156, Phoenix, Arizona 85063
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Northwest Pipeline Corporation	P. O. Box 8900, Salt Lake City, Utah 84108-0900
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	Yes January, 1986

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

III. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.

William F. Clark
 (Signature)
 Operations Manager
 (Title)
 December 21, 1988
 (Date)

OIL CONSERVATION DIVISION

APPROVED 2-16-89, 19
 BY Ernest B. Paul
 TITLE Deputy

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepens well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Attachment #4

WELL API NO.

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL
WELL ☐

GAS
WELL ☒

OTHER

2. Name of Operator

Blackwood & Nichols Co., Ltd.

3. Address of Operator

P. O. Box 1237, Durango, CO 81302

4. Well Location

Unit Letter O: 1030 Feet From The South Line and 1650 Feet From The East Line

Section

1

Township

31N

Range

7W

NMPM

San Juan

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

6515' GL

11.

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

Convert to Pressure Observation ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

The NEBU #212 has been converted to a pressure observation well. On January 13, 1990, the rods and downhole pump were removed from the wellbore. The 2-3/8" tubing is landed open ended at 3156'. A pressure bomb will periodically be run to TD to monitor the Fruitland formation pressure as adjacent wells are produced.

RECEIVED

MAR 16 1990

OIL CON. DIV.

DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

William F. Clark

TITLE

Operations Manager

DATE

14 Mar '90

TYPE OR PRINT NAME

William F. Clark

TELEPHONE NO.

(This space for State Use)

APPROVED BY

Charles E. Hagan

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

MAR 16 1990

CONDITIONS OF APPROVAL, IF ANY:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use - Application For Permit- for such proposals.)

1. Type of Well: oil well _____ gas well X other _____

2. Name of Operator: Blackwood & Nichols Co., Ltd.

3. Address of Operator: P.O. Box 1237, Durango, Colorado 81302-1237

4. Location of Well: (Report location clearly, in accordance with any State requirements)*

At surface

At top prod. interval reported below 1650' FSL, 990' FEL

At total depth

5. Lease Designation & Serial #: SF 079-003

6. If Indian, Allottee/Tribe Name

7. Unit Agreement Name: Northeast Blanco Unit

8. Farm or Lease Name: Northeast Blanco Unit

9. Well No.: 216

10. Field and Pool, or Wildcat: Basin Fruitland Coal

11. Sec., T., M., or Block and Survey or Area: Sec. 27, T31N, R7W

12. County or Parish: San Juan 13. State: NM

14. Permit No.: 30-045-26360

15. Elevations (Show whether DF, RKB, RT, GR, Etc) 6375' GL

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

- Test Water Shut-off _____
- Fracture Treat _____
- Shoot or Acidize _____
- Repair Well _____
- Other: TEMPORARILY ABANDON
- Pull or Alter Casing _____
- Multiple Complete _____
- Abandon* _____
- Change Plans _____

SUBSEQUENT REPORT OF:

- Water Shut-off _____
- Fracture Treatment _____
- Shooting or Acidizing _____
- Other: _____
- Repairing Well _____
- Alternate Casing _____
- Abandonment* _____

(Note: Report results of multiple completion on Well Completion or Recompletion Report Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The NEBU# 216 was completed in August, 1985 in the South Los Pinos Fruitland - Pictured Cliffs Pool. In June, 1989 the NEBU# 216 was reclassified to the South Los Pinos Fruitland Sand - Pictured Cliffs Pool (sand production only) by the OCD.

A sundry notice dated April 20, 1988 requested approval to change zones in the No. 216 well from Pictured Cliffs to Fruitland Coal. This sundry was approved, however the work was never done.

This sundry requests the No. 216 remain in a temporarily abandoned status until proposed offset Fruitland Coal wells are drilled and completed. Once the potential of these new wells are known then final plans for the No. 216 will be submitted.

18. I hereby certify that the foregoing is true and correct.

Signed: William F. Clark William F. Clark Title: Operations Manager Date: 13 Jun '90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

* See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-

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LAND OFFICE	
OPERATOR	

Attachment #6

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
E-178-1

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator Blackwood & Nichols Co., Ltd. 3. Address of Operator P. O. Box 1237, Durango, Colorado 80302 4. Location of Well UNIT LETTER D 990 FEET FROM THE North LINE AND 990 FEET FROM THE West LINE, SECTION 16 TOWNSHIP 31N RANGE 7W NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 6638' GL	7. Unit Agreement Name Northeast Blanco Unit 8. Farm or Lease Name Northeast Blanco Unit 9. Well No. 218 10. Field and Pool, or Wildcat Basin Fruitland Coal 12. County San Juan
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Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
		OTHER <input checked="" type="checkbox"/> Change of Dedicated Acreage and Pool Name	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Change Pool Name to Basin Fruitland Coal and Dedicated Acreage to 320 acres.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED William I. Clark TITLE Operations Manager DATE 12-30-88
APPROVED BY Ernie Burch TITLE Geologist DATE 1-10-89
CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Attachment #7

LL API NO.

30-045-25709

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

E-178-1

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:

OIL WELL ☐

GAS WELL ☒

OTHER

2. Name of Operator

Blackwood & Nichols Co., Ltd.

3. Address of Operator

P. O. Box 1237, Durango, Colorado 81302

7. Lease Name or Unit Agreement Name

Northeast Blanco Unit

8. Well No.

218

9. Pool name or Wildcat

Basin Fruitland Coal

4. Well Location

Unit Letter D : 990 Feet From The North Line and 990 Feet From The West Line

Section 16 Township 31N Range 7W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

6638' GL

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: OIL CON. DIV. DIST. 3 ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Returned to Production ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

On February 1, 1990 the NEBU #218 well was returned to production. This well had been shut-in since October 1, 1988.

On January 31, 1990 the shut-in casing pressure was recorded at 1490 psig (tubing has rods) and the fluid level was at 3233'. This results in a bottom hole pressure of 1727 psig at 3200' using a gradient of 0.037 psig/ft. which was measured on July 29, 1987. A bottom hole pressure of 1632 psig was recorded on the July 29, 1987 survey at 3284'.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

William F. Clark

TITLE Operations Manager

DATE

5 Feb '90

TYPE OR PRINT NAME

William F. Clark

TELEPHONE NO.

(363) 247-0722

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ

TITLE

SUPERVISOR DISTRICT 3

DATE

FEB 07 1990

CONDITIONS OF APPROVAL, IF ANY:

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP

1500 Mid-America Tower
20 North Broadway
Oklahoma City, Oklahoma 73102-8260

405/235-3611
FAX 405/236-4258

July 6, 1990

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

State of New Mexico
Energy and Minerals Department
Oil Conservation Department
P. O. Box 2088
Santa Fe, New Mexico 87501

U. S. Department of the Interior
Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401
Attn: Mr. John L. Keller

Northeast Blanco Unit #1 Sec. 929
San Juan and Rio Arriba Counties
New Mexico

Application For The Initial
Gallup Formation Participating Area
Effective October 22, 1984

Gentlemen:

Blackwood and Nichols Co., as Unit operator of the Northeast Blanco Unit, pursuant to Section 11 of the Unit Agreement, respectfully requests your approval of the Initial Participating Area for the Gallup Formation. The 640-acre Initial Participating Area is comprised of the lands described on Exhibit "B" and is based on the commercial capabilities of the Northeast Blanco Unit wells No. 302 in SE, Section 30, T31N, R6W, and No. 303 in SE, Section 20, T31N, R6W.

The No. 302 and 303 wells were drilled and completed in 1984 and first delivered on June 5, 1985. Cumulative production from the Gallup Formation has been 48,055 MCF and 49,967 MCF from the No. 302 and 303 wells respectively. During 1989 these wells produced an average of 90 MCFD and 86 MCFD respectively; however, they were shut in approximately 60% of the time during 1989 due to gas marketing factors.

During 1989, the No. 302 well produced 8,569 MCF and generated a gross income of approximately \$12,301. The royalties, taxes, and operating cost for this well during 1989 were \$11,404, which resulted in a net income of \$897.

During 1989, the No. 303 well produced 11,175 MCF and generated a gross income of approximately \$16,066. The royalties, taxes, and operating cost for this well during 1989 were \$11,290, which resulted in a net income of \$4,776.

Page 2
Dakota Participating Area


July 6, 1990

In summary, the No. 302 and 303 wells are commercial and should become the Initial Gallup Participating Area. Attached are Exhibit "A" (Plat of the Initial Participating Area) and Exhibit "B" (Ownership Schedule).

Upon your review of this information, please advise with your determination. Thank you for your cooperation in this matter.

Sincerely,

BLACKWOOD & NICHOLS CO.
A LIMITED PARTNERSHIP by
Devon Energy Corporation (Nevada),
Operating General Partner

A handwritten signature in dark ink, appearing to read "J M Lacey" with a stylized flourish at the end.

J. M. Lacey
Vice-President

BAP:JML:jl

cc: NEBU Working Interest Owners