

318

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

405 235-3611
FAX 405 236-4258

October 14, 1991

Commissioner of Public Lands
State of New Mexico
310 Old Santa Fe Trail
Santa Fe, New Mexico 87503
Attn: Frank O. Prando

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

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503
Attn: Roy E. Johnson

10-15-91
D Unit letter
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First Supplement to the
1991 Plan of Development
Northeast Blanco Unit Agreement
No. 1, Section 929
San Juan and Rio Arriba Counties
New Mexico

Gentlemen:

Blackwood & Nichols Co., as unit operator, hereby submits this First Supplement to the 1991 Plan of Development for the Northeast Blanco Unit.

This Supplement is necessitated by a proposal to drill the following two Dakota test wells:

<u>Well #</u>	<u>Spacing Unit</u>	<u>Location</u>
305	S/2 Section 22-31N-7W	SE/4 Sec. 22, T31N-R7W
306	W/2 Section 26-31N-7W	NW/4 Sec. 26, T31N-R7W


Blackwood & Nichols Co. intends to designate Amoco Production Company agent to drill and complete the proposed wells and will file the appropriate Designation of Agent Agreement in the near future.

Supplement 1991 POD

October 14, 1991

Please review this Supplemental Plan of Development for 1991 and advise with your approval at your earliest opportunity.

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


J. M. Lacey
Vice-President

BAP:JML:jl

enclosures

cc: Working Interest Owners



JIM BACA
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

#318

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

May 30, 1991

Blackwood & Nichols Co.
1500 Mid-America Tower
20 North Broadway
Oklahoma City, Oklahoma 73102-8260

Attn: Bill A. Penhall

RE: Fruitland Coal and Mesa Verde Participating Areas
Northeast Blanco Unit, Rio Arriba and San Juan Counties,
New Mexico

Dear Mr. Penhall:

The Commissioner of Public Lands hereby approves your revision of Exhibit B for the Mesa Verde and the Fruitland Coal Participating Areas. We understand that the total acreage for these tracts and their participation factors did not change.

If you have any questions concerning this matter, please contact our office at (505) 827-5744.

Sincerely,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
Floyd O. Prando, Director
Oil, Gas & Minerals Division

JB/FOP/jsw

cc: TRD - Oil and Gas Processing
OCD
BLM
Royalty Management

#318

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

405 235-3611
FAX 405 236-4258

February 7, 1991

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

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

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

1991 Plan of Development
Northeast Blanco Unit Agreement
No. 1, Section 929
San Juan and Rio Arriba Counties
New Mexico

Gentlemen:

Blackwood & Nichols Co., as unit operator, on behalf of itself and all owners of oil and gas leases within the Northeast Blanco Unit, hereby submits a 1991 Plan of Development which includes:

1. Summary of 1990 Operations;
2. Participating Area Review;
3. Current Well Status;
4. Unit Production;
5. Operations Proposed in 1991;
6. Plat which shows current participating areas.

SUMMARY OF OPERATIONS

In 1990, Blackwood & Nichols proposed to drill and complete fifty-one (51) new Basin Fruitland Coal wells and to complete an additional sixteen (16) wells drilled in 1989. One (1) Morrison-Entrada saltwater disposal well was also proposed to be drilled.

1991 POD - 1990 Summary
February 7, 1991

Of the operations proposed to be conducted in 1990, Blackwood & Nichols drilled and completed fifty (50) coalbed methane wells, completed eighteen (18) wells drilled in 1989, drilled and completed one Morrison-Entrada SWD well (Pump Mesa SWD #1) and had one (1) completion in progress on December 31, 1990.

One (1) Fruitland coalbed methane well scheduled for drilling in 1990 will be carried over to our 1991 Plan of Development. Two (2) Fruitland coalbed methane wells, one drilled in 1989 and one drilled in 1990, are now waiting on completion.

The 1990 Northeast Blanco Unit activity is summarized by category as follows:

I. Wells Drilled and Completed In 1990

	<u>Well No.</u>	<u>Location</u>	<u>County</u>
1	NEBU 400R	L-07-31-6	San Juan
2	NEBU 403R	G-09-30-7	Rio Arriba
3	NEBU 404R (S) (B)	E-34-31-7 L-34-31-7	San Juan
4	NEBU 410	K-09-31-7	San Juan
5	NEBU 413R	A-20-30-7	Rio Arriba
6	NEBU 421R	P-04-30-7	Rio Arriba
7	NEBU 424	F-04-30-7	San Juan
8	NEBU 425R	N-08-30-7	Rio Arriba
9	NEBU 426	L-06-31-6	San Juan
10	NEBU 427R	M-16-30-7	Rio Arriba
11	NEBU 428	A-24-31-7	San Juan
12	NEBU 429R	B-17-30-7	Rio Arriba
13	NEBU 434	K-23-31-7	San Juan
14	NEBU 436	G-19-31-6	San Juan
15	NEBU 438	A-18-31-6	San Juan
16	NEBU 441R	G-24-30-8	San Juan
17	NEBU 442	M-11-31-7	San Juan
18	NEBU 444	A-23-31-7	San Juan
19	NEBU 459	G-19-31-7	San Juan
20	NEBU 460	A-07-31-6	San Juan
21	NEBU 463	J-18-30-7	San Juan
22	NEBU 464	M-10-31-7	San Juan
23	NEBU 466	B-34-31-7	San Juan
24	NEBU 468	A-35-31-7	San Juan
25	NEBU 469	H-13-30-8	San Juan

1991 POD - 1990 Summary
February 7, 1991

	<u>Well No.</u>	<u>Location</u>	<u>County</u>
26	NEBU 470	H-27-31-7	San Juan
27	NEBU 471	B-25-31-8	San Juan
28	NEBU 472	G-29-31-7	San Juan
29	NEBU 474	M-26-31-7	San Juan
30	NEBU 476	M-22-31-7	San Juan
31	NEBU 478	M-21-31-7	San Juan
32	NEBU 480	L-14-31-7	San Juan
33	NEBU 482	M-15-31-7	San Juan
34	NEBU 484	A-16-31-7	San Juan
35	NEBU 486	K-19-31-6	San Juan
36	NEBU 487	L-35-31-7	San Juan
37	NEBU 488	L-24-31-7	San Juan
38	NEBU 489	N-12-31-7	San Juan
39	NEBU 490	H-14-31-7	San Juan
40	NEBU 491	O-25-31-7	Rio Arriba
41	NEBU 492	B-12-31-7	San Juan
42	NEBU 493	H-25-31-7	Rio Arriba
43	NEBU 494	N-27-31-7	San Juan
44	NEBU 495	L-30-31-6	Rio Arriba
45	NEBU 496	L-18-31-6	San Juan
46	NEBU 497	H-30-31-6	Rio Arriba
47	NEBU 498	L-13-31-7	San Juan
48	NEBU 499	P-20-31-6	Rio Arriba
49	NEBU 500	D-20-31-6	San Juan
50	NEBU 504	M-16-31-7	San Juan
51	Pump Mesa SWD #1	K-36-31-8	San Juan

II. Wells Drilled in 1989 - Completed in 1990

1	NEBU 412	N-29-31-7	San Juan
2	NEBU 418	M-28-31-7	San Juan
3	NEBU 428	A-24-31-7	San Juan
4	NEBU 431	O-17-30-7	Rio Arriba
5	NEBU 433	M-19-30-7	Rio Arriba
6	NEBU 439	M-13-30-8	San Juan
7	NEBU 440	B-11-31-7	San Juan
8	NEBU 445	M-25-31-8	San Juan
9	NEBU 446	K-33-31-7	San Juan

1991 POD - 1990 Summary
February 7, 1991

	<u>Well No.</u>	<u>Location</u>	<u>County</u>
10	NEBU 447	K-36-31-8	San Juan
11	NEBU 450	N-32-31-7	San Juan
12	NEBU 451	B-06-30-7	San Juan
13	NEBU 453	M-06-30-7	San Juan
14	NEBU 454	A-33-31-7	San Juan
15	NEBU 462	N-01-31-7	San Juan
16	NEBU 464	M-10-31-7	San Juan
17	NEBU 472	G-29-31-7	San Juan
18	NEBU 473	G-36-31-8	San Juan

III. Wells with Rig Activity on December 31, 1990

1	NEBU 423R (S)	J-08-30-7	Rio Arriba
	(B)	G-08-30-7	

PARTICIPATING AREA REVIEW

Effective December, 1, 1990, four additional tracts, which together contain 87.03 acres, were committed to the Northeast Blanco Unit, bringing the total area of the unit to 32,595.01 acres. All lands in the Northeast Blanco Unit, including these four additional tracts, are included in the Blanco Mesa Verde Pool Participating Area.

In 1989, the Bureau of Land Management established the Initial Participating Area for the Basin Fruitland Coal Pool within the Northeast Blanco Unit, effective May 1, 1988. On July 6, 1990, Blackwood & Nichols submitted the application for approval of the first expansion to the Basin Fruitland Coal participating area seeking to include therein all of the lands in the Northeast Blanco Unit. We are currently awaiting approval of this application.

On July 6, 1990, Blackwood and Nichols applied for separate participating areas for the Basin Dakota and Gallup Pools in the Northeast Blanco Unit. These applications seek to include the acreage dedicated to the dually completed (Gallup and Dakota) #302 and #303 wells. If approved, the respective participating areas will contain 640 acres.

We have enclosed a plat of the Northeast Blanco Unit showing current participating areas and those for which applications are pending.

1991 POD - 1990 Summary
February 7, 1991

CURRENT WELL STATUS

Following is a summary of Northeast Blanco Unit wells by formation.

I. Blanco Mesaverde:	135 Total Wells Drilled 7 Plugged & Abandoned
	<hr/>
	128 Producing Wells
II. Basin Dakota:	8 Producing Wells
III. Gallup, Laguna Seca:	1 Producing Well
Gallup, R.A. Und.:	1 Producing Well
IV. Los Pinos Fruitland Sand/PC:	13 Total Wells Drilled 2 Temporarily Abandoned (206 and 216) 1 Plugged Back (211 to Coal)
	<hr/>
	10 Producing Wells
PC, Undesignated:	1 Producing Well
V. Basin Fruitland Coal:	2 Wells Drilled in 1985 (212 and 218) 1 Well Recompleted (211 in 1988) 14 Wells Drilled in 1988 47 Wells Drilled in 1989 50 Wells Drilled in 1990 (includes 12 redrills)
	<hr/>
	114 Total Wells Drilled
	61 Waiting on connection (as of 12-31-90) 13 Pressure Observation 40 Producing Wells
	<hr/>
	114 Total Coal Wells

1991 POD - 1990 Summary
February 7, 1991

VI. Morrison-Entrada: 1 Well Drilled in 1988 (SM SWD #1 - in operation)
 1 Well Drilled in 1989 (MM SWD #1 - in operation)
 1 Well Drilled in 1990 (PM SWD #1 - in operation)

3 Total Disposal Wells

VII. Ojo Alamo: 1 Plan to P&A (206)
 (Test for SWD)

An Existing Well Status Summary is attached as Exhibit 1 which lists the current status of all wells in the Northeast Blanco Unit.

UNIT PRODUCTION

Following is a summary of Unit production during 1990 and cumulative volumes, by formation or pool, since inception.

	GAS (MCF @ 15.025 psig)		Condensate	
	1990	Cumulative	1990	Cumulative
Mesaverde	6,066,316	324,102,141	2,620	111,017
Dakota	344,259	7,255,902	0	0
Gallup	11,988	109,172	0	0
Ft. Sand-PC	112,385	1,759,855	437	5,276
Und. PC	38,913	291,177	138	779
Ft. Coal	7,424,280	7,534,197	0	0
TOTAL	13,998,141	341,052,444	3,195	117,072

OPERATIONS PROPOSED IN 1991

Blackwood & Nichols proposes to drill one (1) Fruitland coalbed methane well which was carried over from the 1990 Plan of Development. One (1) Fruitland coalbed methane well

1991 POD - 1990 Summary
February 7, 1991

drilled in 1989 and one (1) drilled in 1990 will be completed. One (1) Morrison-Entrada saltwater disposal well will also be drilled. Following is a summary of proposed 1991 operations:

WELLS TO BE DRILLED IN 1991

1	NEBU 475	(S) K-20-30-7	Rio Arriba
		(B) H-19-30-7	
2	NEBU Middle Mesa SWD #2		San Juan
	(S)	Surface Location not yet designated	
	(B)	Bottomhole Location not yet designated	


WELLS TO BE COMPLETED IN 1991

1	NEBU 405	M-21-30-7	Rio Arriba
2	NEBU 461	(S) I-12-30-8	San Juan
		(B) K-07-30-7	

Pursuant to Section 17 of the Northeast Blanco Unit Agreement, Blackwood & Nichols believes that production from all existing and proposed wells will serve to economically and efficiently drain reserves attributable to the Unit lands and will protect such lands from drainage. No enhanced recovery projects are in progress or anticipated at this time within the Northeast Blanco Unit.

Please review and approve this Plan of Development and advise us if you have any questions.

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


J. M. Lacey
Vice-President

BAP:JML:jl
enclosures
cc: Working Interest Owners - w/enclosures

1991 POD - 1990 Summary
February 7, 1991

Approved _____ Date _____

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

Approved  _____

Date 2-14-91

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

Approved _____ Date _____

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

The above approvals are for the Northeast Blanco Unit Agreement No. 1, Section 929, San Juan and Rio Arriba Counties, New Mexico, 1991 Plan of Development.

1991 Plan of Development

EXISTING WELL STATUS SUMMARY
NORTHEAST BLANCO UNIT

Name	Location	County	Lease No.	Status	
I. MESAVERDE FORMATION					
1	NEBU 2	N-20-31N-7W	SJ Co., N.M.	SF 079045	Prod.
2	NEBU 3X	L-05-30N-7W	SJ Co., N.M.	SF 079042	P & A
3	NEBU 3A	E-05-30N-7W	SJ Co., N.M.	SF 079042	Prod.
4	NEBU 3R	K-05-30N-7W	SJ Co., N.M.	SF 079042	Prod.
5	NEBU 4	M-21-30N-7W	RA Co., N.M.	SF 078970	Prod.
6	NEBU 4A	D-21-30N-7W	RA Co., N.M.	SF 079060	Prod.
7	NEBU 5X	M-13-30N-8W	SJ Co., N.M.	SF 079511	P & A
8	NEBU 5R	N-13-30N-8W	SJ Co., N.M.	SF 079511	Prod.
9	NEBU 5A	E-13-30N-8W	SJ Co., N.M.	SF 079511	Prod.
10	NEBU 6	H-29-30N-7W	RA Co., N.M.	SF 079060	Prod.
11	NEBU 6A	F-29-30N-7W	RA Co., N.M.	SF 079060	Prod.
12	NEBU 7	A-21-30N-7W	RA Co., N.M.	SF 079060	P & A
13	NEBU 7A	I-21-30N-7W	RA Co., N.M.	SF 079060	Prod.
14	NEBU 7R	B-21-30N-7W	RA Co., N.M.	SF 079060	Prod.
15	NEBU 8	K-10-30N-7W	RA Co., N.M.	SF 079001	Prod.
16	NEBU 8A	D-10-30N-7W	RA Co., N.M.	SF 079001	Prod.
17	NEBU 9	N-12-30N-8W	SJ Co., N.M.	SF 078581A	Prod.
18	NEBU 9A	C-12-30N-8W	SJ Co., N.M.	SF 078581A	Prod.
19	NEBU 10	M-16-30N-7W	RA Co., N.M.	E 178-1	Prod.
20	NEBU 10A	D-16-30N-7W	RA Co., N.M.	E 178-1	Prod.
21	NEBU 11	H-25-31N-7W	RA Co., N.M.	SF 079010	Prod.
22	NEBU 12	G-18-30N-7W	SJ Co., N.M.	SF 079082	Prod.
23	NEBU 13	K-20-30N-7W	RA Co., N.M.	SF 079060	Prod.
24	NEBU 13A	C-20-30N-7W	RA Co., N.M.	SF 079060	Prod.
25	NEBU 14	G-02-30N-7W	RA Co., N.M.	E 289-3	Prod.
26	NEBU 14A	I-02-30N-7W	RA Co., N.M.	E 289-23	Prod.
27	NEBU 15	L-02-30N-7W	RA Co., N.M.	E 289-23	Prod.
28	NEBU 15A	D-02-30N-7W	RA Co., N.M.	E 289-9	Prod.
29	NEBU 16	A-03-30N-7W	RA Co., N.M.	SF 079001	Prod.
30	NEBU 16A	J-03-30N-7W	RA Co., N.M.	SF 079001	Prod.
31	NEBU 17	L-09-30N-7W	RA Co., N.M.	SF 079043	Prod.
32	NEBU 17A	E-09-30N-7W	RA Co., N.M.	SF 079043	Prod.
33	NEBU 18	H-09-30N-7W	RA Co., N.M.	SF 079043	Prod.
34	NEBU 18A	O-09-30N-7W	RA Co., N.M.	SF 079060	Prod.
35	NEBU 19	B-20-30N-7W	RA Co., N.M.	SF 079060	Prod.
36	NEBU 19A	P-20-30N-7W	RA Co., N.M.	SF 079060	Prod.
37	NEBU 20	B-28-31N-7W	SJ Co., N.M.	SF 079043	P & A
38	NEBU 20A	O-28-31N-7W	SJ Co., N.M.	SF 079043	Prod.
39	NEBU 21	N-36-31N-7W	RA Co., N.M.	E 505-6	P & A
40	NEBU 22	G-36-31N-7W	RA Co., N.M.	E 505-6	P & A
41	NEBU 22A	O-36-31N-7W	RA Co., N.M.	E 505-6	Prod.
42	NEBU 23	N-06-30N-7W	SJ Co., N.M.	SF 079042	Prod.
43	NEBU 23A	F-06-30N-7W	SJ Co., N.M.	SF 079042	Prod.

1991 Plan of Development

EXISTING WELL STATUS SUMMARY
NORTHEAST BLANCO UNIT

Name	Location	County	Lease No.	Status	
44	NEBU 24	O-17-30N-7W	RA Co., N.M.	SF 079060	P & A
45	NEBU 24A	I-17-30N-7W	RA Co., N.M.	SF 079060	Prod.
46	NEBU 24R	O-17-30N-7W	RA Co., N.M.	NM 013706A	Prod.
47	NEBU 25	B-17-30N-7W	RA Co., N.M.	SF 079060	Prod.
48	NEBU 26	N-08-30N-7W	RA Co., N.M.	Fee	Prod.
49	NEBU 26A	D-08-30N-7W	SJ Co., N.M.	SF 079042	Prod.
50	NEBU 27	A-08-30N-7W	RA Co., N.M.	SF 079042	Prod.
51	NEBU 27A	P-08-30N-7W	RA Co., N.M.	SF 079042	Prod.
52	NEBU 28	O-34-31N-7W	RA Co., N.M.	SF 079003	Prod.
53	NEBU 29	A-13-30N-8W	SJ Co., N.M.	Fee	Prod.
54	NEBU 30	A-12-30N-8W	SJ Co., N.M.	SF 078581	Prod.
55	NEBU 30A	I-12-30N-8W	SJ Co., N.M.	SF 078581	Prod.
56	NEBU 31	N-07-30N-7W	SJ Co., N.M.	SF 079042	Prod.
57	NEBU 31A	E-07-30N-7W	SJ Co., N.M.	SF 079042	Prod.
58	NEBU 32	A-07-30N-7W	SJ Co., N.M.	SF 079042	Prod.
59	NEBU 32A	I-07-30N-7W	SJ Co., N.M.	Fee	Prod.
60	NEBU 33	N-12-31N-7W	SJ Co., N.M.	NM 03358	Prod.
61	NEBU 34	N-19-30N-7W	RA Co., N.M.	SF 079053	Prod.
62	NEBU 34A	K-18-30N-7W	SJ Co., N.M.	SF 079053	Prod.
63	NEBU 35	J-19-30N-7W	RA Co., N.M.	SF 079060	Prod.
64	NEBU 36	A-01-30N-8W	SJ Co., N.M.	SF 078581	Prod.
65	NEBU 36A	O-01-30N-8W	SJ Co., N.M.	SF 078581	Prod.
66	NEBU 37	B-06-30N-7W	SJ Co., N.M.	SF 079042	Prod.
67	NEBU 37A	P-06-30N-7W	SJ Co., N.M.	Fee	Prod.
68	NEBU 38	B-31-31N-7W	SJ Co., N.M.	SF 079043	Prod.
69	NEBU 39	K-36-31N-8W	SJ Co., N.M.	E 3150-1	Prod.
70	NEBU 39A	D-36-31N-8W	SJ Co., N.M.	E 5382	Prod.
71	NEBU 40	G-36-31N-8W	SJ Co., N.M.	E 3150-1	Prod.
72	NEBU 40A	P-36-31N-8W	SJ Co., N.M.	E 292-9	Prod.
73	NEBU 41	B-25-31N-8W	SJ Co., N.M.	SF 079082	Prod.
74	NEBU 42	N-19-31N-7W	SJ Co., N.M.	SF 080557	Prod.
75	NEBU 43	M-11-31N-7W	SJ Co., N.M.	NM 03358	Prod.
76	NEBU 43A	C-11-31N-7W	SJ Co., N.M.	NM 03358	Prod.
77	NEBU 44	B-04-30N-7W	SJ Co., N.M.	SF 079043	Prod.
78	NEBU 44A	P-04-30N-7W	RA Co., N.M.	SF 079043	Prod.
79	NEBU 45	A-05-30N-7W	SJ Co., N.M.	SF 079042	Prod.
80	NEBU 45A	I-05-30N-7W	SJ Co., N.M.	SF 079042	Prod.
81	NEBU 46	N-33-31N-7W	SJ Co., N.M.	SF 079043	Prod.
82	NEBU 46A	D-33-31N-7W	SJ Co., N.M.	SF 079043	Prod.
83	NEBU 47	K-32-31N-7W	SJ Co., N.M.	E 292-9	Prod.
84	NEBU 47A	F-32-31N-7W	SJ Co., N.M.	E 292-9	Prod.
85	NEBU 48	H-32-31N-7W	SJ Co., N.M.	E 178-1	Prod.
86	NEBU 48A	O-32-31N-7W	SJ Co., N.M.	E 178-1	Prod.
87	NEBU 49	H-30-31N-7W	SJ Co., N.M.	SF 079045	Prod.
88	NEBU 50	M-25-31N-8W	SJ Co., N.M.	SF 079082	Prod.

1991 Plan of Development

EXISTING WELL STATUS SUMMARY
NORTHEAST BLANCO UNIT

Name	Location	County	Lease No.	Status	
89	NEBU 51	N-29-31N-7W	SJ Co., N.M.	SF 079045	Prod.
90	NEBU 51A	C-29-31N-7W	SJ Co., N.M.	SF 079045	Prod.
91	NEBU 52	G-15-31N-7W	SJ Co., N.M.	NM 03356	Prod.
92	NEBU 53	M-28-31N-7W	SJ Co., N.M.	SF 079043	Prod.
93	NEBU 53A	D-28-31N-7W	SJ Co., N.M.	SF 079043	Prod.
94	NEBU 54	H-33-31N-7W	SJ Co., N.M.	SF 079043	Prod.
95	NEBU 54A	O-33-31N-7W	SJ Co., N.M.	SF 079043	Prod.
96	NEBU 55	B-22-31N-7W	SJ Co., N.M.	SF 079003	Prod.
97	NEBU 55A	J-22-31N-7W	SJ Co., N.M.	SF 079003	Prod.
98	NEBU 56	A-34-31N-7W	SJ Co., N.M.	SF 079003	Prod.
99	NEBU 56A	E-34-31N-7W	SJ Co., N.M.	SF 079003	Prod.
100	NEBU 57	B-21-31N-7W	SJ Co., N.M.	SF 079045	Prod.
101	NEBU 58	A-13-31N-7W	SJ Co., N.M.	NM 03358	Prod.
102	NEBU 59	A-24-31N-7W	SJ Co., N.M.	SF 079010A	Prod.
103	NEBU 60	A-07-31N-6W	SJ Co., N.M.	SF 078988	Prod.
104	NEBU 61	G-19-31N-6W	SJ Co., N.M.	SF 078988	Prod.
105	NEBU 62	L-30-31N-6W	RA Co., N.M.	NM 03357	Prod.
106	NEBU 63	M-01-31N-7W	SJ Co., N.M.	Fee	Prod.
107	NEBU 64	M-10-31N-7W	SJ Co., N.M.	NM 03358	Prod.
108	NEBU 64A	P-10-31N-7W	SJ Co., N.M.	NM 03358	Prod.
109	NEBU 65	B-11-31N-7W	SJ Co., N.M.	NM 03358	Prod.
110	NEBU 66	F-30-31N-7W	SJ Co., N.M.	SF 079082	Prod.
111	NEBU 66A	E-31-31N-7W	SJ Co., N.M.	SF 079082	Prod.
112	NEBU 67	M-09-31N-7W	SJ Co., N.M.	Fee	Prod.
113	NEBU 67A	O-09-31N-7W	SJ Co., N.M.	Fee	Prod.
114	NEBU 68	A-35-31N-7W	SJ Co., N.M.	SF 079003	Prod.
115	NEBU 69	A-26-31N-7W	SJ Co., N.M.	SF 079010A	Prod.
116	NEBU 70	A-27-31N-7W	SJ Co., N.M.	SF 079003	Prod.
117	NEBU 70A	O-27-31N-7W	SJ Co., N.M.	SF 079003	Prod.
118	NEBU 71	A-23-31N-7W	SJ Co., N.M.	SF 079010A	Prod.
119	NEBU 72	H-29-31N-7W	SJ Co., N.M.	SF 079045	Prod.
120	NEBU 72A	O-29-31N-7W	SJ Co., N.M.	SF 079045	Prod.
121	NEBU 73	L-35-31N-7W	SJ Co., N.M.	SF 079003	Prod.
122	NEBU 74	M-26-31N-7W	SJ Co., N.M.	SF 079010A	Prod.
123	NEBU 75	K-22-31N-7W	SJ Co., N.M.	SF 079003	Prod.
124	NEBU 77	M-15-31N-7W	SJ Co., N.M.	NM 03356	Prod.
125	NEBU 78	M-21-31N-7W	SJ Co., N.M.	SF 079045	Prod.
126	NEBU 101	B-10-30N-7W	RA Co., N.M.	SF 079001A	Prod.
127	NEBU 101A	J-10-30N-7W	RA Co., N.M.	SF 079001A	Prod.
128	NEBU 102	M-03-30N-7W	RA Co., N.M.	SF 079001A	Prod.
129	NEBU 102A	F-03-30N-7W	RA Co., N.M.	SF 079001A	Prod.
130	NEBU 103	N-24-30N-8W	SJ Co., N.M.	SF 078615	Prod.
131	NEBU 103A	E-24-30N-8W	SJ Co., N.M.	SF 078615	Prod.
132	NEBU 104	M-01-30N-8W	SJ Co., N.M.	SF 078581A	Prod.
133	NEBU 104A	D-01-30N-8W	SJ Co., N.M.	SF 078581A	Prod.

EXHIBIT 1

Page 4

1991 Plan of Development

EXISTING WELL STATUS SUMMARY
NORTHEAST BLANCO UNIT

	Name	Location	County	Lease No.	Status
134	NEBU 105	G-24-30N-8W	SJ Co., N.M.	SF 078615A	Prod.
135	NEBU 105A	P-24-30N-8W	SJ Co., N.M.	SF 078615A	Prod.
II. DAKOTA FORMATION					
1	NEBU 1	H-27-31N-7W	SJ Co., N.M.	SF 079003	Prod.
2	NEBU 55D	B-22-31N-7W	SJ Co., N.M.	SF 079003	Prod.
3	NEBU 56D	A-34-31N-7W	SJ Co., N.M.	SF 079003	Prod.
4	NEBU 57D	B-21-31N-7W	SJ Co., N.M.	SF 079045	Prod.
5	NEBU 58D	A-13-31N-7W	SJ Co., N.M.	NM 03358	Prod.
6	NEBU 302D	I-30-31N-6W	RA Co., N.M.	NM 003357	Prod.
7	NEBU 303D	P-20-31N-6W	RA Co., N.M.	SF 078988	Prod.
8	NEBU 304D	M-30-31N-6W	RA Co., N.M.	NM 003357	Prod.
III. GALLUP FORMATION					
1	NEBU 302G	I-30-31N-6W	RA Co., N.M.	NM 003357	Prod.
2	NEBU 303G	P-20-31N-6W	RA Co., N.M.	SF 078988	Prod.
IV. FRUITLAND SANDS-PICTURED CLIFFS FORMATION					
1	NEBU 201	M-09-31N-7W	SJ Co., N.M.	Fee	Prod.
2	NEBU 202	B-11-31N-7W	SJ Co., N.M.	NM 03358	Prod.
3	NEBU 203	C-11-31N-7W	SJ Co., N.M.	NM 03358	Prod.
4	NEBU 204	M-01-31N-7W	SJ Co., N.M.	Fee	Prod.
5	NEBU 205	P-10-31N-7W	SJ Co., N.M.	NM 03358	Prod.
6	NEBU 206	M-10-31N-7W	SJ Co., N.M.	NM 03358	P & A
7	NEBU 208	N-12-31N-7W	SJ Co., N.M.	NM 03358	Prod.
8	NEBU 211	C-27-31N-7W	SJ Co., N.M.	SF 079003	P & A
9	NEBU 213	D-12-31N-7W	SJ Co., N.M.	Fee	Prod.
10	NEBU 214	I-22-31N-7W	SJ Co., N.M.	SF 079003	Prod.
11	NEBU 215	D-26-31N-7W	SJ Co., N.M.	SF 079010	Prod.
12	NEBU 216	I-27-31N-7W	SJ Co., N.M.	SF 079003	WOC *
13	NEBU 217	G-27-31N-7W	SJ Co., N.M.	SF 079003	Prod.
14	NEBU 303PC	P-20-31N-6W	RA Co., N.M.	SF 078988	Prod.
V. BASIN FRUITLAND COAL					
1	NEBU 211	C-27-31N-7W	SJ Co., N.M.	SF 079003	Pres. Obs.
2	NEBU 212	O-01-31N-72	SJ Co., N.M.	NM 03358	Pres. Obs.
3	NEBU 218	D-16-31N-7W	SJ Co., N.M.	E 178-1	Pres. Obs.

1991 Plan of Development

EXISTING WELL STATUS SUMMARY
NORTHEAST BLANCO UNIT

Name	Location	County	Lease No.	Status	
4	NEBU 400	M-07-31N-6W	SJ Co., N.M.	SF 078988	Pres. Obs.
5	NEBU 400R	L-07-31N-6W	SJ Co., N.M.	SF 078988	WOC
6	NEBU 401	L-09-30N-7W	RA Co., N.M.	SF 079043	Producing
7	NEBU 402	A-05-30N-7W	SJ Co., N.M.	SF 079042	Producing
8	NEBU 403	H-09-30N-7W	RA Co., N.M.	SF 079043	Pres. Obs.
9	NEBU 403R	G-09-30N-7W	RA Co., N.M.	SF 079043	Producing
10	NEBU 404	E-34-31N-7W	SJ Co., N.M.	SF 079003	Pres. Obs.
11	NEBU 404R	H-34-31N-7W	SJ Co., N.M.	SF 079003	WOC
12	NEBU 405	M-21-30N-7W	RA Co., N.M.	SF 079060	WOCComp.
13	NEBU 406	G-22-31N-7W	SJ Co., N.M.	SF 079003	Producing
14	NEBU 407	A-21-30N-7W	RA Co., N.M.	SF 079060	Producing
15	NEBU 408	A-20-31N-7W	SJ Co., N.M.	SF 079045	WOC
16	NEBU 409	N-10-30N-7W	RA Co., N.M.	SF 079001	WOC
17	NEBU 410	K-09-31N-7W	SJ Co., N.M.	Fee	WOC
18	NEBU 411	G-10-30N-7W	RA Co., N.M.	SF 079001A	Producing
19	NEBU 412	N-29-31N-7W	SJ Co., N.M.	SF 079045	WOC
20	NEBU 413	B-20-30N-7W	RA Co., N.M.	SF 079060	Pres. Obs.
21	NEBU 413R	A-20-30N-7W	RA Co., N.M.	SF 079060	WOC
22	NEBU 414	H-30-31N-7W	SJ Co., N.M.	SF 079045	WOC
23	NEBU 415	G-02-30N-7W	RA Co., N.M.	E-289-3	Producing
24	NEBU 416	A-21-31N-7W	SJ Co., N.M.	SF 079045	Producing
25	NEBU 417	M-02-30N-7W	RA Co., N.M.	E-289-23	Producing
26	NEBU 418	M-28-31N-7W	SJ Co., N.M.	SF 079043	WOC
27	NEBU 419	M-03-30N-7W	RA Co., N.M.	SF 079001A	Producing
28	NEBU 420	A-28-31N-7W	SJ Co., N.M.	SF 079043	Producing
29	NEBU 421	P-04-30N-7W	RA Co., N.M.	SF 079043	Pres. Obs.
30	NEBU 421R	P-04-30N-7W	RA Co., N.M.	SF 079043	Producing
31	NEBU 422	M-20-31N-7W	SJ Co., N.M.	SF 079045	Producing
32	NEBU 423	A-08-30N-7W	RA Co., N.M.	SF 079042	Pres. Obs.
33	NEBU 423R	J-08-30N-7W	RA Co., N.M.	SF 079042	WOC
34	NEBU 424	F-04-30N-7W	SJ Co., N.M.	SF 079043	WOC
35	NEBU 425	K-08-30N-7W	RA Co., N.M.	Fee	Pres. Obs.
36	NEBU 425R	N-08-30N-7W	RA Co., N.M.	Fee	Producing
37	NEBU 426	L-06-31N-6W	SJ Co., N.M.	SF 078988	WOC
38	NEBU 427	W-16-30N-7W	RA Co., N.M.	E 178-1	Pres. Obs.
39	NEBU 427R	M-16-30N-7W	RA Co., N.M.	E 178-1	Producing
40	NEBU 428	A-24-31N-7W	SJ Co., N.M.	SF 079010	Producing
41	NEBU 429	B-17-30N-7W	RA Co., N.M.	SF 079060	Pres. Obs.
42	NEBU 429R	B-17-30N-7W	RA Co., N.M.	SF 079060	WOC
43	NEBU 430	K-05-30N-7W	SJ Co., N.M.	SF 079042	Producing
44	NEBU 431	O-17-30N-7W	RA Co., N.M.	NM 013706A	Producing
45	NEBU 432	A-07-30N-7W	SJ Co., N.M.	SF 079042	Producing
46	NEBU 433	M-19-30N-7W	RA Co., N.M.	SF 079053	Producing
47	NEBU 434	K-23-31N-7W	SJ Co., N.M.	SF 079010	WOC
48	NEBU 435	K-01-30N-8W	SJ Co., N.M.	SF 078581A	Producing

EXHIBIT 1
1991 Plan of Development

EXISTING WELL STATUS SUMMARY
NORTHEAST BLANCO UNIT

Name	Location	County	Lease No.	Status	
49	NEBU 436	G-19-31N-6W	SJ Co., N.M.	SF 078988	Producing
50	NEBU 437	N-12-30N-8W	SJ Co., N.M.	SF 078581A	Producing
51	NEBU 438	A-18-31N-6W	SJ Co., N.M.	SF 078970	WOC
52	NEBU 439	M-13-30N-8W	SJ Co., N.M.	SF 079511	Producing
53	NEBU 440	B-11-31N-7W	SJ Co., N.M.	NM 03358	Producing
54	NEBU 441	G-24-30N-8W	SJ Co., N.M.	SF 078615A	Pres. Obs.
55	NEBU 441R	G-24-30N-8W	SJ Co., N.M.	SF 078615A	WOC
56	NEBU 442	M-11-31N-7W	SJ Co., N.M.	NM 03358	WOC
57	NEBU 443	N-24-30N-8W	SJ Co., N.M.	SF 078615	Producing
58	NEBU 444	A-23-31N-7W	SJ Co., N.M.	SF 079010	WOC
59	NEBU 445	M-25-31N-8W	SJ Co., N.M.	SF 079082	WOC
60	NEBU 446	K-33-31N-7W	SJ Co., N.M.	SF 079043	WOC
61	NEBU 447	K-36-31N-8W	SJ Co., N.M.	E-3150-1	WOC
62	NEBU 448	G-32-31N-7W	SJ Co., N.M.	E-178-1	Producing
63	NEBU 449	N-19-31N-7W	SJ Co., N.M.	SF 080557	WOC
64	NEBU 450	N-32-31N-7W	SJ Co., N.M.	B-11125	WOC
65	NEBU 451	B-06-30N-7W	SJ Co., N.M.	SF 079042	WOC
66	NEBU 452	G-15-31N-7W	SJ Co., N.M.	NM 03356	Producing
67	NEBU 453	M-06-30N-7W	SJ Co., N.M.	SF 079042	Producing
68	NEBU 454	A-33-31N-7W	SJ Co., N.M.	SF 079043	WOC
69	NEBU 455	B-31-31N-7W	SJ Co., N.M.	SF 079043	WOC
70	NEBU 456	H-26-31N-7W	SJ Co., N.M.	SF 079010	Producing
71	NEBU 457	F-31-31N-7W	SJ Co., N.M.	SF 079082	WOC
72	NEBU 458	A-13-31N-7W	SJ Co., N.M.	NM 03358	Producing
73	NEBU 459	G-19-31N-7W	SJ Co., N.M.	SF 080557	Producing
74	NEBU 460	A-07-31N-6W	SJ Co., N.M.	SF 078988	WOC
75	NEBU 461	I-12-30N-8W	SJ Co., N.M.	SF 079042	WOCComp.
76	NEBU 462	N-01-31N-7W	SJ Co., N.M.	NM 03358	WOC
77	NEBU 463	J-18-30N-7W	SJ Co., N.M.	SF 079073	Producing
78	NEBU 464	M-10-31N-7W	SJ Co., N.M.	NM 03358	Producing
79	NEBU 465	A-01-31N-8W	SJ Co., N.M.	SF 078581	WOC
80	NEBU 466	B-34-31N-7W	SJ Co., N.M.	SF 079003	WOC
81	NEBU 467	A-12-30N-8W	SJ Co., N.M.	SF 078581	Producing
82	NEBU 468	A-35-31N-7W	SJ Co., N.M.	SF 079003	WOC
83	NEBU 469	H-13-30N-8W	SJ Co., N.M.	Fee	Producing
84	NEBU 470	H-27-31N-7W	SJ Co., N.M.	SF 079003	WOC
85	NEBU 471	B-25-31N-8W	SJ Co., N.M.	SF 079082	Producing
86	NEBU 472	G-29-31N-7W	SJ Co., N.M.	SF 079045	WOC
87	NEBU 473	G-36-31N-8W	SJ Co., N.M.	E-3150-1	WOC
88	NEBU 474	M-26-31N-7W	SJ Co., N.M.	SF 079010	WOC
89	NEBU 476	M-22-31N-7W	SJ Co., N.M.	SF 079003	WOC
90	NEBU 477	G-29-30N-7W	RA Co., N.M.	SF 079060	WOC
91	NEBU 478	M-21-31N-7W	SJ Co., N.M.	SF 079045	WOC
92	NEBU 479	K-20-30N-7W	RA Co., N.M.	SF 079060	Producing
93	NEBU 480	L-14-31N-7W	SJ Co., N.M.	NM 03356	WOC

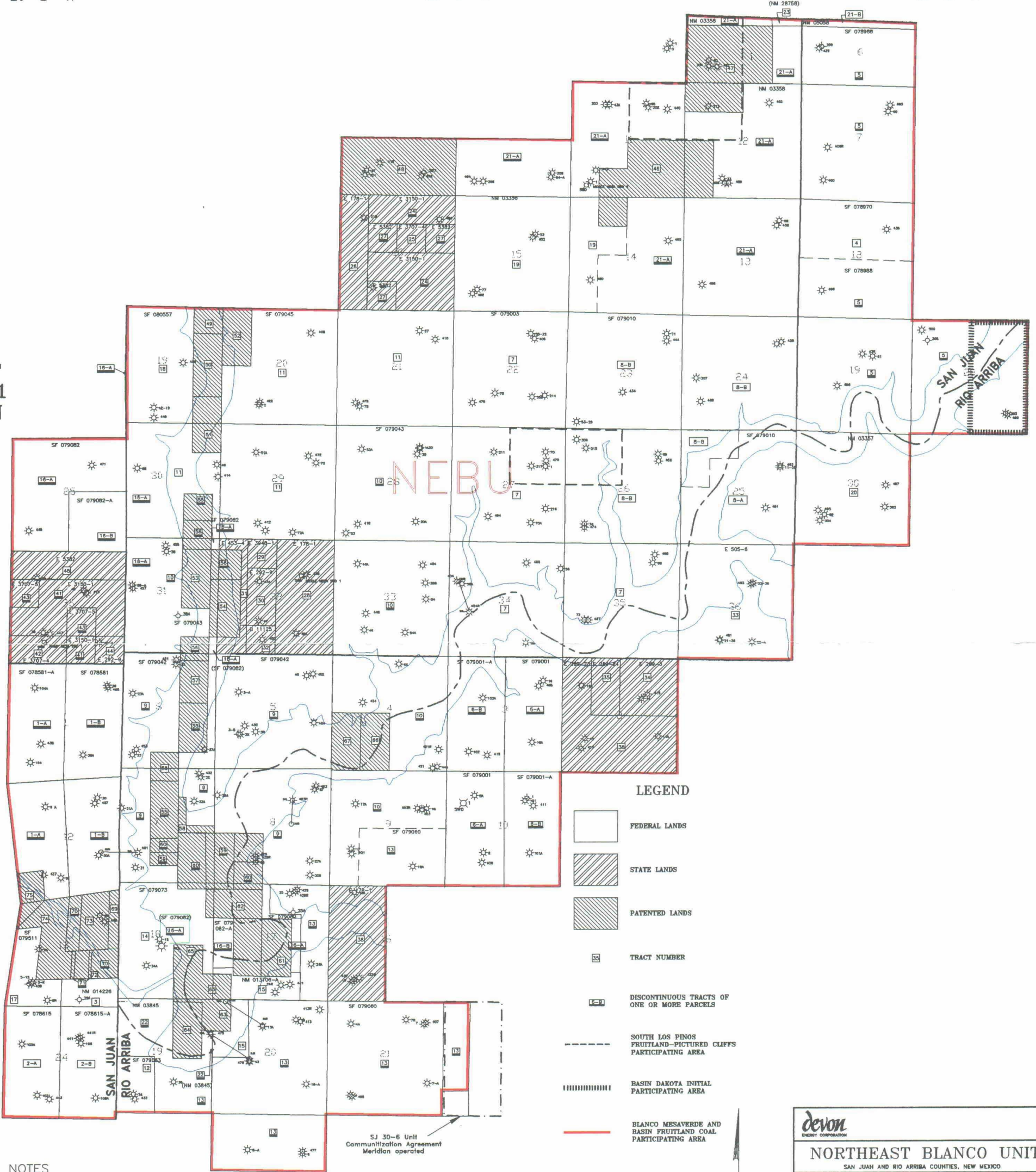
R 8 W

R 7 W

R 6 W

T 31 N

T 30 N



LEGEND

- FEDERAL LANDS
- STATE LANDS
- PATENTED LANDS
- TRACT NUMBER
- DISCONTINUOUS TRACTS OF ONE OR MORE PARCELS
- SOUTH LOS PINOS FRUITLAND-PICTURED CLIFFS PARTICIPATING AREA
- BASIN DAKOTA INITIAL PARTICIPATING AREA
- BLANCO MESAVERDE AND BASIN FRUITLAND COAL PARTICIPATING AREA

NOTES

1. TRACTS FROM OCTOBER 26, 1918 G.L.O. PLAT.
2. SAN JUAN - RIO ARRIBA COUNTY LINE DIGITIZED FROM UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY PINE RIVER, BURNT MESA AND BANCOS MESA QUADRANGLES.
3. TOTAL AREA OF TRACTS AND SECTIONS ON EACH SIDE OF THE COUNTY LINE CALCULATED WITH AUTOCAD AND THE RESULTS PROPORTIONED TO LOTS AND TRACTS.

SJ 30-6 Unit
Communitization Agreement
Meridian operated

devon
ENERGY CORPORATION

NORTHEAST BLANCO UNIT
SAN JUAN AND RIO ARRIBA COUNTIES, NEW MEXICO

**UNIT AGREEMENT
PLAN OF DEVELOPMENT
FOR 1997**

Scale in Feet
2000 0 2000 4000 6000 8000

NM03914A

BP 2/98

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

405 235-3611
FAX 405 236-4258

January 10, 1991

Commissioner of Public Lands
State of New Mexico
310 Old Santa Fe Trail
Santa Fe, New Mexico 87503
Attn: Clyde Langdale

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Revised Exhibits B
Northeast Blanco Unit
I Section No. 929
San Juan and Rio Arriba
Counties, New Mexico

Gentlemen:

Pursuant to the approval of the subsequent joinder of Tracts 67, 71A, 71B and 72 to the Northeast Blanco Unit, enclosed herewith please find the following revised Exhibits B to the captioned Unit Agreement:

- 1) Exhibit B for the Mesa Verde formation (Participating Area), revised effective December 1, 1990;
- 2) Exhibit B for the First Expansion of the Fruitland Coal Participating Area effective February 1, 1990, through November 30, 1990;
- 3) Revised Exhibit B for the First Expansion of the Fruitland Coal Participating Area, effective December 1, 1990.

Copies of these Exhibit B's have been furnished to the Bureau of Land Management under separate cover.

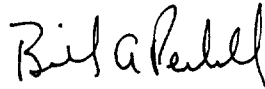
Page 2

January 10, 1991

Northeast Blanco Unit
I Sec. No. 929
San Juan and Rio Arriba
Counties, New Mexico

Should you have any questions or comments regarding the enclosed materials, please do not hesitate to call.

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



Bill A. Penhall
District Landman

BAP:jl

enclosures

State of New Mexico



W.R. HUMPHRIES
COMMISSIONER



Commissioner of Public Lands

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

December 6, 1990

Mr. Bill A. Penhall, District Landman
Blackwood & Nichols Co. A Limited Partnership
1500 Mid-America Tower
20 North Broadway
Oklahoma City, OK 73102-8260

Re: Northeast Blanco Unit
San Juan and Rio Arriba Counties, New Mexico
Tracts 6, 7, 71a, 71b and 72
Ratification and Joinder of Unit Agreement

Dear Mr. Penhall:

Please be advised that this office is in receipt of the ratification and joinders to the Unit Agreement for the subject tracts in the Northeast Blanco Unit.

The Commissioner of Public Lands accepts these ratifications and joinders for inclusion into the Northeast Blanco Unit.

If you have any questions contact Clyde Langdale at (505) 827-5791.

Sincerely,

W. R. HUMPHRIES
COMMISSIONER OF PUBLIC LANDS

By:

Floyd O. Prando
Floyd O. Prando, Director
Oil, Gas & Minerals Division

WRH/FOP/CL/dm

cc: BLM - Ernie Busch
OCD

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

November 27, 1990

#318

FEDERAL EXPRESS

Commissioner of Public Lands
State of New Mexico
310 Old Santa Fe Trail
Santa Fe, New Mexico 87503

Attn: Clyde Langdale

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
310 Old Santa Fe Trail, Room 206
Santa Fe, New Mexico 87503

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Attn: Mr. Duane Spencer

Northeast Blanco Unit
I Sec. No. 929
San Juan and Rio Arriba
Counties, New Mexico

Ratification and Joinder
TRACT #'s 67, 71A, ^{71B}71B & 72

Gentlemen:

Pursuant to Section 29 of the Unit Agreement dated July 16, 1951, covering the operation and development of the Northeast Blanco Unit (the "Unit"), this letter is to advise that Blackwood & Nichols Co. has received documentation required to commit four tracts comprising 87.03 acres to the Unit. These four tracts are shaded in yellow on the Exhibit "A" plat enclosed herewith.

In this connection, the owners of said tracts have ratified and consented to be bound by the terms of the Unit Agreement by executing a Ratification and Joinder of Unit Agreement, copies of which are enclosed. The joinder by these owners has been consented to by Devon Energy Corporation (Nevada), the owner of the oil and gas leases covering said tracts and by Blackwood & Nichols Co. as unit operator.

November 27, 1990

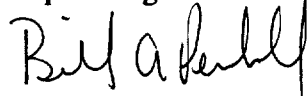
Northeast Blanco Unit
I Sec. No. 929
San Juan and Rio Arriba
Counties, New Mexico

The tracts being committed to the Unit are identified on Exhibit B to the Unit Agreement as Tract 67, Tract 71A, Tract 71B and Tract 72. Exhibit B has been revised to reflect that these tracts have been committed to the Unit and a copy of this revised Exhibit B is also enclosed.

To the extent that the Bureau of Land Management, the Commissioner of Public Lands or the Oil Conservation Division must approve the commitment of these tracts to the Unit, it is requested that you promptly review and give your consent to such action since one of the leases will expire on December 31, 1990, unless it is committed to the Unit prior to that date.

Please advise immediately should there be any question or comment with regard to this request or the information submitted herewith so that the commitment of these tracts to the Unit may be recognized as soon as possible.

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



Bill A. Penhall
District Landman

BAP:jl

enclosures

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.

SIGNATURE


Daniel Raffkind

DESCRIPTION

Tract 67 as described on Exhibit "B" to said Unit Agreement.


Myrna Gimp Raffkind
Myrna

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

3800 Danbury Street
Amarillo, Texas 79109

Date: May 15, 1990

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey *J. M. Lacey* **RLP**
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
By **DEVON ENERGY CORPORATION (NEVADA)**,
OPERATING GENERAL PARTNER.

By: J. M. Lacey *J. M. Lacey* **RLP**
Name: J. M. Lacey
Title: Vice President

STATE OF Texas)
COUNTY OF POTTER)SS
)

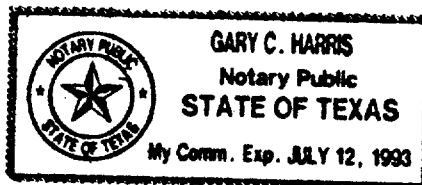
On this 15th day of May, 1990, before me personally appeared **Daniel Raffkind & Myra Gimp Raffkind, husband and wife**, to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15th day of May, 1990.

Gary C. Harris
Notary Public

My commission expires:

7-12-93




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.

SIGNATURE



Robert C. Witten, Trustee



Frederic S. Nathan, Trustee

Trustees U/W of Barbara Y. Witten,
F/B/O Judith Witten
535 East 86th Street
New York, New York 10028

DESCRIPTION

Tract 67 as described on Exhibit "B" to said Unit Agreement.

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

Date: May 29, 1990

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.

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SIGNATURE



Robert Witten, Trustee



Frederic S. Nathan, Trustee

Trustees U/W of Barbara Y. Witten
F/B/O Elizabeth Witten
535 East 86th Street
New York, New York 10028

DESCRIPTION

Tract 67 as described on Exhibit "B" to said Unit Agreement.

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

Date: May 29, 1990

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey *J.M. Lacey* BP
Name: J.M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
By DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey *J.M. Lacey* BP
Name: J.M. Lacey
Title: Vice President

STATE OF New York)
COUNTY OF New York)^{SS}

On this 29th day of May, 1990, before me personally appeared **Robert Witten and Frederic S. Nathan, Trustees U/W of Barbara Y. Witten, F/B/O Elizabeth Witten**, 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.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 29th
day of May, 1990.

Rose Mintrone
Notary Public

My commission expires:

May 29, 1990

ROSE MINTRONE
Notary Public, State of New York
No. 24-4830209
Qualified in Kings County
Certificate filed in NY County
Commission Expires January 31, 1992

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.

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SIGNATURE



Robert C. Witten, Trustee



Frederic S. Nathan, Trustee

Trustees U/W of Barbara Y. Witten,
F/B/O Andrew Witten
535 East 86th Street
New York, New York 10028

DESCRIPTION

Tract 67 as described on Exhibit "B" to said Unit Agreement.

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

Date: May 29, 1990

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey *JML*
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
By DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J. M. Lacey *JML*
Name: J. M. Lacey
Title: Vice President

STATE OF New York)
COUNTY OF New York)SS

On this 29th day of May, 1990, before me personally appeared **Robert C. Witten & Frederic S. Nathan, Trustees U/W of Barbara Y. Witten, F/B/O Andrew Witten**, 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.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 29th
day of May, 1990.

Rose Mintrone
Notary Public

My commission expires:

ROSE MINTRONE
Notary Public, State of New York
No. 24-4630209
Qualified in Kings County
Certificate filed in NY County
Commission Expires January 31, 1992

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.

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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.

SIGNATURE

DESCRIPTION



Larry A. Mizel

Tract 67 as described on Exhibit "B" to said Unit Agreement.

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

3600 South Yosemite Street
Denver, Colorado 80237

Date: _____

6/18/90

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J M Lacey *JML*
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
By DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J M Lacey *JML*
Name: J. M. Lacey
Title: Vice President

STATE OF Colorado)
COUNTY OF Denver)SS

On this 18th day of June, 1990, before me personally appeared **Larry A. Mizel** to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 18th
day of June, 1990.

Scott Kingsbury
Notary Public

My commission expires:

10/20/92

RATIFICATION AND JOINDER OF UNIT AGREEMENT

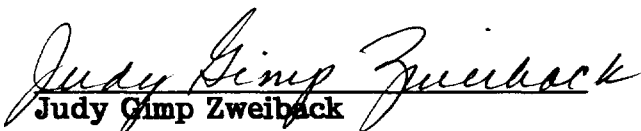
In consideration of the execution of the Unit Agreement for the development and operation of the Northeast Blanco Unit Area located within the Counties of San Juan and Rio Arriba, State of New Mexico, in form approved on behalf of the Secretary of the Interior, the undersigned owners of lands or leases, 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.

SIGNATURE

DESCRIPTION


Judy Gimp Zweiback

Tract 67 as described on Exhibit "B" to said Unit Agreement.

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

9008 Pacific
Omaha, Nebraska 68114

Date: 10/15/90

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey RP
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
By DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J. M. Lacey RP
Name: J. M. Lacey
Title: Vice President

STATE OF Neb)
)SS
COUNTY OF Douglas)

On this 15 day of May, 1990, before me personally appeared **Judy Gimp Zweiback** to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15
day of May, 1990.

[Signature]
Notary Public

My commission expires
GENERAL NOTARY-State of Nebraska
PAUL W. HURLEY JR.
My Comm. Exp. April 6, 1994


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.

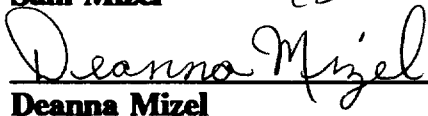
The said Unit Agreement having been filed of record in the Office of the County Clerk and Recorder of Rio Arriba County in Volume 11, at Pages 310 to 361-A and in the Offices of the Probate Clerk and Ex Officio Recorder of San Juan County in Book 182 at Page 52.

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SIGNATURE



Sam Mizel



Deanna Mizel

P. O. Box 6754
Abilene, Texas 79608

Date: 8/23/90

DESCRIPTION

Tract 67 as described on Exhibit "B" to said Unit Agreement.

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

**DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER**

By: _____ J M Lacey JML
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

**BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
By DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.**

By: _____ J M Lacey JML
Name: J. M. Lacey
Title: Vice President

STATE OF _____)
)SS
COUNTY OF _____)

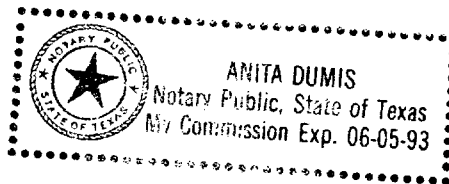
On this 23rd day of August, 1990, before me personally appeared **Sam Mizel & Deanna Mizel, husband and wife**, to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 23rd
_____ day of August, 1990.

Anita Dumis

Notary Public

My commission expires:



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.

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SIGNATURE


Steven Mayer Mizel

DESCRIPTION

Tract 67 as described on Exhibit "B" to said Unit Agreement.

W/2 SW/4 Section 4, T30N-R7W, San Juan and Rio Arriba Counties, New Mexico, containing 80 acres, more or less.

20 Broad Street, 27th Floor
New York, New York 10005

Date: 5/14/90

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

**DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER**

By: J M Lacey BH
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990,

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
By DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J M Lacey BH
Name: J. M. Lacey
Title: Vice President

STATE OF New York)
)SS
COUNTY OF New York)

On this 14 day of May, 1990, before me personally appeared **Steven Mayer Mizel** to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 14
day of May, 1990.

My commission expires:

2/13/91

Christina J. Hutchison
Notary Public
CHRISTINA J. HUTCHISON
Notary Public State of New York
No. 43-4947178
Qualified in Richmond County
Commission Expires February 13, 1991

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.

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SIGNATURE

Amalia Martinez
Amalia Martinez

DATE 10 - 20 - 1990

Route A, Box 750
Blanco, New Mexico 87412

DESCRIPTION

Tract 71A as described on Exhibit "B" to said Unit Agreement.

Township 30 North, Range 8 West N.M.P.M.

Section 13: That certain 3.03 acre tract of land more particularly described as being a 100' wide strip of land lying along the east side of the fence described in Cause No. 02139 in the District Court, San Juan County, New Mexico, insofar as said 3.03 acre tract is situated within the NW $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 13, T30N-R8W, N.M.P.M.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey **BP**
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J. M. Lacey **M**
Name: J. M. Lacey
Title: Vice President

Notary Public


STATE OF NEW MEXICO)
)SS
COUNTY SAN JUAN)

On this 20th day of OCTOBER, 1990, before me personally appeared Amalia Martinez to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 20th day of OCTOBER, 1990.

My commission expires: 6/29/92

Richard F. Arrighetti
Notary Public

 OFFICIAL SEAL
RICHARD F. ARRIGHETTI
Notary Bond Filed with Secretary of State
NOTARY PUBLIC - STATE OF NEW MEXICO
My Commission Expires 6/29/92

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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE



Date: 10-22-90

Glenn J. Faverino

12 County Rd. 332
Ignacio, CO 81137

DESCRIPTION

Tract 71B as described on Exhibit "B" to said Unit Agreement.

That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velaquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey RAP
Name: J.M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey RAP
Name: J.M. Lacey
Title: Vice President

Notary Public

STATE OF Colorado)
)SS
COUNTY La Plata)

On this 22nd day of October, 1990, before me personally appeared Glenn J. Faverino to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 22nd day of October, 1990.

My commission expires:
2-8-94

[Signature]
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 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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE


Louis T. Faverino

Date: 10-22-90


Rosaleen M. Faverino

Date: 10-22-90

Box 8, Bloomfield, NM 87413

DESCRIPTION

Tract 71B as described on Exhibit "B" to said Unit Agreement.

That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

**DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER**

By: J.M. Lacey
Name: J.M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

**BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.**

By: J.M. Lacey
Name: J.M. Lacey
Title: Vice President

Notary Public

STATE OF New Mexico)
COUNTY San Juan)

On this 22nd day of October, 1990, before me personally appeared Louis T. Faverino and Rosaleen M. Faverino to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 22nd day of October, 1990.

My commission expires: 3-3-94

Lynette Beal
Notary Public

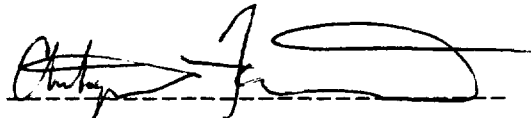
RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the development and operation of the Northeast Blanco Unit Area 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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE



Date: 10/22/90

Christopher Faverino

301 E. Pinon
Aztec, New Mexico 87410

DESCRIPTION

Tract 71B as described on Exhibit "B" to said Unit Agreement.

That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velaquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: *J. M. Lacey*
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by **DEVON ENERGY CORPORATION (NEVADA)**,
OPERATING GENERAL PARTNER.

By: *J. M. Lacey*
Name: J. M. Lacey
Title: Vice President

Notary Public

STATE OF New Mexico)
)SS
COUNTY San Juan)

On this 22nd day of October, 1990, before me personally appeared Christopher Faverino to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 22nd day of October, 1990.

My commission expires: 9-13-96

Antoni Bucayrski
Notary Public

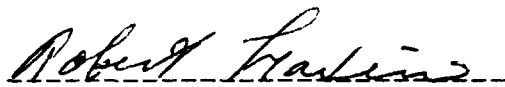
RATIFICATION AND JOINDER OF UNIT AGREEMENT

In consideration of the execution of the Unit Agreement for the development and operation of the Northeast Blanco Unit Area 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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE



Robert Faverino

HCR 69, Box 15
Oldfield, MO 65720

Date: 10-30-90

DESCRIPTION

Tract 71B as described on Exhibit "B" to said Unit Agreement.

That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velaquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey VP
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J. M. Lacey VP
Name: J. M. Lacey
Title: Vice President

Notary Public

STATE OF Missouri)
)SS
COUNTY of Christian)

On this 30th day of October, 1990, before me personally appeared Robert Faverino to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 30th day of October, 1990.

My commission expires:
8-15-92

Charles A. Curran
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 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.

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SIGNATURE

Susan J. Perrin Asli
Susan J. Perrin Asli

Date: *x Nov. 13, 1990*

S-M. ASLI
x
Sadoon M. Asli

Date: *x 11-13-1990*

13714 Via Del Palma, Apt. G, Whittier, CA 90602

DESCRIPTION

Tract 71B as described on Exhibit "B" to said Unit Agreement.

That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-RBW, N.M.P.M.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey JAL
Name: J.M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey JAL
Name: J.M. Lacey
Title: Vice President

Notary Public

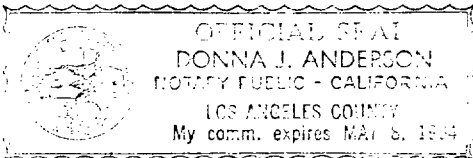
STATE OF California)
COUNTY Los Angeles)SS

On this XII-13-90 day of November, 1990, before me personally appeared Susan J. Perrin Asli and Sadoon M. Asli to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this X 13th day of X November, 1990.

My commission expires: X May 8, 1991

Donna J. Anderson
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 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.

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SIGNATURE

Billie Jean Faverino

Billie Jean Faverino

Date: *10/31/90*

**7530 Orchard #42
Riverside, CA 92504**

DESCRIPTION

Tract 71B as described on Exhibit "B" to said Unit Agreement.

That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velaquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-RBW, N.M.P.M.

APPROVED AND CONSENTED TO THIS 12th DAY OF Nov, 1990.

~~DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER~~

By: [Signature]
Name: BILLIE JEAN FAVERINO
Title: JUNIOR

APPROVED AND CONSENTED TO THIS 12th DAY OF Nov, 1990.

~~BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.~~

By: [Signature]
Name: BILLIE JEAN FAVERINO
Title: JUNIOR

Notary Public

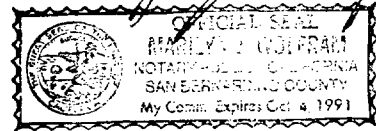
STATE OF California)
)SS
COUNTY San Bernardino)

On this 12th day of November, 1990, before me personally appeared Billie Jean Faverino to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that she executed the same as her free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 12th day of November, 1990.

My commission expires: October 4, 1991

[Signature]
Notary Public



APPROVED AND CONSENTED TO THIS 26th DAY OF November,
1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey JAL
Name: J. M. LACEY
Title: Vice-President

APPROVED AND CONSENTED TO THIS 26th DAY OF November,
1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J. M. Lacey JAL
Name: J. M. LACEY
Title: Vice-President

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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE

Evergreen Resources, Inc.

by: Mark Sexton
Vice President, Operations

Attest: [Signature]
Secretary

Tax I.D. #: 84-0834147

Date: 11/15/11

1000 Writer Square
1512 Larimer Street
Denver, Colorado 80202

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

(description continued)

Tract 71B: That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE 1/4 SE 1/4) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

Tract 72: Approximately two (2) acres of land described as follows: Commencing at the Southwest corner of the Northeast Quarter of the Southeast Quarter of Section 13, T30N-R8W, N.M.P.M. then North along the subdivision line 150 yards then East 70 yards, thence South 150 yards, then West along the subdivision line 70 yards, to P.O.B., being the same land conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county and state.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey
Name: J.M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey
Name: J.M. Lacey
Title: Vice President

Notary Public

STATE OF Colorado)
)SS
COUNTY Denver)

On this 26th day of November, 1990, before me personally appeared MARK ESPIN to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 26th day of November, 1990.

My commission expires:
August 2, 1991

[Signature]
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 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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE

STANFORD

Board of Trustees of the Leland Stanford Junior University

by: H. A. Turner
title: H. A. Turner, Acting Treasurer Date: October 30, 1990
Tax I.D. #94-1156365

**C/O Mineral Administrator
Office of the Treasurer
209 Hamilton Avenue
Palo Alto, California 94301**

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

HAT

(description continued)

Tract 71B: That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

Tract 72: Approximately two (2) acres of land described as follows: Commencing at the Southwest corner of the Northeast Quarter of the Southeast Quarter of Section 13, T30N-R8W, N.M.P.M. then North along the subdivision line 150 yards then East 70 yards, thence South 150 yards, then West along the subdivision line 70 yards, to P.O.B., being the same land conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county and state.

APPROVED AND CONSENTED TO THIS 26th DAY OF November 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey BAP
Name: J.M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey BAP
Name: J.M. Lacey
Title: Vice President

STATE OF CALIFORNIA)
)ss.
COUNTY OF SANTA CLARA)

On October 30, 1990 before me, the undersigned, a Notary Public in and for said State, personally appeared H. A. TURNER, personally known to me to be the person who executed the BLACKWOOD & NICHOLS Ratification and Joinder of Unit Agreement, dated October 30, 1990 as the Acting Treasurer for The Board of Trustees of The Leland Stanford Junior University, a body having corporate powers under the laws of the State of California, and stated that he executed the within instrument and acknowledged to me that said board executed the within instrument pursuant to its by-laws or a resolution of its Board of Trustees.

WITNESS MY HAND AND OFFICIAL SEAL.

Signature Sally M. Stoddard
Sally M. Stoddard

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.

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SIGNATURE

K & W Gas Partners, L.P.

by: Wm K. Hunt
title: General Partner

Date: November 15, 1970

Tax I.D. #: 77-0210937

**C/O Ameritrust Petroleum Corp.
P.O. Box 2320
Dallas, Texas 75521-2320**

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

(description continued)

Tract 71B: That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

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APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey BHP
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J. M. Lacey BHP
Name: J. M. Lacey
Title: Vice President

Notary Public

STATE OF Colorado)
) SS
COUNTY Denver)

On this 15th day of November, 1990, before me personally appeared William R. Powell to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 15th day of November, 1990.

My commission expires:
February 28, 1993

William R. Powell
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 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.

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SIGNATURE



Laura Dichter

Tax I.D. #: 521-68-0013

Date: 10/25/90

2324 Dahlia Street
Denver, Colorado 80207

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

(description continued)

Tract 71B: That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

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APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J. M. Lacey EW
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J. M. Lacey EW
Name: J. M. Lacey
Title: Vice President

Notary Public

STATE OF COLORADO)
)SS
COUNTY DENVER)

On this 25th day of October, 1990, before me personally appeared Laura Dichter

to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 25th day of October, 1990.

My commission expires:

November 30, 1993

Janet K. Yamamoto
Notary Public

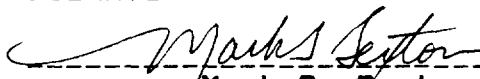
RATIFICATION AND JOINDER OF UNIT AGREEMENT

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SIGNATURE



Mark S. Sexton

Tax I.D.#: 267-25-1533

Date: 11-30-98

**C/O Evergreen Resources
1000 Writer Square
1512 Larimer Street
Denver, Colorado 80202**

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

(description continued)

Tract 71B: That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE $\frac{1}{4}$ SE $\frac{1}{4}$) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-RBW, N.M.P.M.

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APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey VP
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey VP
Name: J. M. Lacey
Title: Vice President

Notary Public

STATE OF Colorado)
)SS
COUNTY Denver)

On this 26 day of November, 1990, before me personally appeared Mark S. Sexton to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 26 day of November, 1990.

My commission expires:

December 31, 1991

Mark S. Sexton
Notary Public

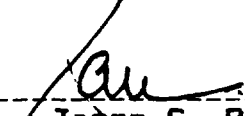
RATIFICATION AND JOINDER OF UNIT AGREEMENT

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SIGNATURE



James C. Ryan, Jr.

Tax I.D.#: 074-30-7152

Date: 1 November 1990

P.O. Box 2485
Greenville, South Carolina 29602

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

(description continued)

Tract 71B: That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-R8W, N.M.P.M.

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APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey RLP
Name: J.M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey RLP
Name: J.M. Lacey
Title: Vice President

Notary Public

STATE OF South Carolina)
)SS
COUNTY Greenville)

On this 1 day of November, 1990, before me personally appeared James C. Ryan, Jr. to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 1 day of November, 1990.

My commission expires:
7-6-97

Jo A. Sprouse
Notary Public

RATIFICATION AND JOINDER OF UNIT AGREEMENT

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SIGNATURE



John J. Ryan, III

Tax I.D.#: 248-46-3433 -----

Date: 1 NOVEMBER 1990 -----

P.O. Box 2485
Greenville, South Carolina 29602

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

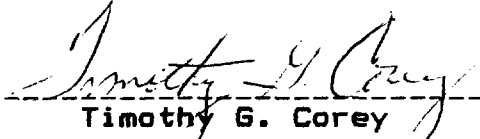
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SIGNATURE



Timothy G. Corey

Tax I.D.#: 004-38-0935

Date: 10/20/90

P.O. Box 2485
Greenville, South Carolina 29602

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

(description continued)

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APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

**DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER**

By: J.M. Lacey RD
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

**BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.**

By: J.M. Lacey RD
Name: J. M. Lacey
Title: Vice President

Notary Public

STATE OF South Carolina)
)SS
COUNTY Greenville)

On this 26 day of October, 1990, before me personally appeared Timothy G. Corey to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 26 day of October, 1990.

My commission expires:
7-6-97

Jo d. Sproune
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 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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE



Caryl C. Palmer

Tax I.D.#: 555-00-5619

Date: 1 NOVEMBER 1990

P.O. Box 2485
Greenville, South Carolina 29602

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

(description continued)

Tract 71B: That portion of West 100 feet of the Northeast Quarter of the Southeast Quarter (NE¼ SE¼) that lies North of that certain two (2) acre tract in the Southwest corner of said Northeast Quarter of the Southeast Quarter, which said two acre tract was conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county, said land being in Section 13, T30N-RBW, N.M.P.M.

Tract 72: Approximately two (2) acres of land described as follows: Commencing at the Southwest corner of the Northeast Quarter of the Southeast Quarter of Section 13, T30N-RBW, N.M.P.M. then North along the subdivision line 150 yards then East 70 yards, thence South 150 yards, then West along the subdivision line 70 yards, to P.O.B., being the same land conveyed by Simon Velasquez, et ux to Tonita B. Martinez by Quit Claim Deed recorded in Book 100, Page 394, of the records of said county and state.

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

DEVON ENERGY CORPORATION (NEVADA)
WORKING INTEREST OWNER

By: J.M. Lacey BP
Name: J. M. Lacey
Title: Vice President

APPROVED AND CONSENTED TO THIS 26th DAY OF November, 1990.

BLACKWOOD & NICHOLS CO. A LIMITED PARTNERSHIP, Unit Operator,
by DEVON ENERGY CORPORATION (NEVADA),
OPERATING GENERAL PARTNER.

By: J.M. Lacey BP
Name: J. M. Lacey
Title: Vice President

Notary Public

STATE OF South Carolina
COUNTY Greenville)
SS)

On this 1 day of November, 1990, before me personally appeared Caryl C. Palmer to me known to be the person(s) described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 1 day of November, 1990.

My commission expires:

7-6-97

Jo L. Spruise
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 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 lands affected hereby, and when so executed shall be binding upon the undersigned, his or her assigns or successors in interest.

SIGNATURE


Larry D. Estridge

Tax I.D.: 250-70-6515

Date: 11/6/90

P.O. Box 10207
Greenville, South Carolina 29603

DESCRIPTION

Tract 71B and Tract 72 as described on Exhibit "B" to said Unit Agreement.

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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		TRACT PARTICIP. DECIMAL	TRACT W.I. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OREI
			SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL					
1-A	T30M RW SEC 1: W/2 SEC 12: NW/4, E/2 SW/4, NW/4 NW/4	596.07	078581-A 10/01/49 BEN R. HOWELL	0.01828715	0.01828715	El Paso Production Company	USA 12.5%	1.0%	
1-B	T30M RW SEC 1: E/2 SEC 12: F/2	616.32	078581 10/01/49 P. M. McCULLLEY	0.01890842	0.00945421	Anoco Production Company Continental Oil Company	USA 12.5%	18.5%	
2-A	T30M RW SEC 2A: W/2	320.00	078615 3/1/48 BEN R. HOWELL PAUL B. HORTON	0.00981745	0.00981745	El Paso Production Company	USA 12.5%	1.0%	
2-B	T30M RW SEC 2A: E/2	320.00	078615-A 3/1/48 P. M. McCULLLEY PAUL B. HORTON	0.00981745	0.00490872	Anoco Production Company Continental Oil Company	USA 12.5%	18.5%	
3	T30M RW SEC 13: S/2 SE/4	80.00	NW-014226 1/1/54 PHILLIPS DRILLING CORPORATION	0.00245436	0.00006305	Devon Energy Corporation Meridian Oil Production Company H. H. Phillips Estate Wintergreen Eney Corporation Castle, Inc. H. H. Phillips, Jr. Jane Phillips Ladouceur Susanna Phillips Kelly	USA 12.5%	NONE	
4	T31M RW SEC 18: N/2	320.00	078970 2/01/48 AMOCO PRODUCTION CO., ET AL	0.00981745	0.00490873	Anoco 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%	NONE	

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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
			TRACT SERIAL NO.	LEASE DATE		TRACT SERIAL NO.	TRACT W.I. PARTICIP. DECIMAL			
5	T31K R/W	2560.00	078988	7/01/48	0.07853963	0.03926981	Amoco Production Company	USA 12.5%	2.5%	
	SEC 6: S/2		AMOCO	0.00957793		Meridian Oil Production Company				
	SEC 7: ALL		PRODUCTION	0.01298963		Blackwood & Nichols Co., Ltd.				
	SEC 18: S/2		CO., ET AL	0.00478763		EOG (New Mexico) Inc.				
6-A	SEC 19: ALL	638.75	0.00036930	Thayer H. Laurie Trust	0.01959656	0.00036930	Thayer H. Laurie Trust	USA 12.5%	20.0 %	
	SEC 20: ALL		0.01132185	Devon Energy Corporation						
			0.00022348	B. E. Hutchinson Trust						
			0.07853963							
6-B	T30H R/W	639.13	079001-A	11/1/49	0.01960822	0.01960822	El Paso Production Company	USA 12.5%	1.5 %	
	SEC 3: LOTS 7, 8, S/2 NW/4 & SW/4		BER R. HOMEUL							
	SEC 10: W/2									
7	T31K R/W	2560.00	079003	7/1/48	0.07853963	0.03926981	Amoco Production Company	USA 12.5%	2.5%	
	SEC 22: ALL		AMOCO	0.00957793		Meridian Oil Production Company				
	SEC 27: ALL		PRODUCTION	0.01298963		Blackwood & Nichols Co., Ltd.				
	SEC 34: ALL		CO., ET AL	0.00478763		EOG (New Mexico) Inc.				
	SEC 35: ALL			0.00036930		Thayer H. Laurie Trust				
8-A	T31K R/W	530.00	079010	7/01/48	0.01595336	0.00797660	Amoco Production Company	USA 12.5%	2.5%	
	SEC 25: NE/4, SE/4 NW/4, S/2		AMOCO	0.00263852		Blackwood & Nichols Co., Ltd.				
			PRODUCTION	0.00097249		EOG (New Mexico) Inc.				
			CO., ET AL	0.00007501		Thayer H. Laurie Trust				
			0.00229975	Devon Energy Corporation		0.00004539	B. E. Hutchinson Trust			
						0.01595336				

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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	LEASE DATE, & RECORD HOLDER	TRACT SERIAL NO.,		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF GRI			
				TRACT SERIAL NO.,	TRACT SERIAL NO.,						
8-B	T31W R7W	2040.00	079010 7/01/48 AMOCO PRODUCTION CO., ET AL	0.06258627	0.01129313	Amoco Production Company	USA 12.5%	2.5%			
	SEC 23: ALL								0.00763241	Meridian Oil Production Company	
	SEC 24: ALL								0.0103111	Blackwood & Nichols Co., Ltd.	
	SEC 25: N/2 NW/4, SW/4 NW/4								0.00301514	EOG (New Mexico) Inc.	
9	T30W R7W	1779.91	079042 5/1/51 AMOCO PRODUCTION CO., ET AL	0.05460682	0.02730341	Amoco Production Company	USA 12.5%	2.5%			
	SEC 5: ALL								0.00665932	Meridian Oil Production Company	
	SEC 6: LOTS 8, 9, 10, 11, 12								0.00903140	Blackwood & Nichols Co., Ltd.	
	SEC 7: LOTS 5, 6, 7, 8, 9, 12, 13, 14, 15, 16								0.00332873	EOG (New Mexico) Inc.	
10	T31W R7W	2314.56	079043 4/1/51 AMOCO PRODUCTION CO., ET AL	0.07100964	0.03550482	Amoco Production Company	USA 12.5%	2.5%			
	SEC 20: ALL								0.00865965	Meridian Oil Production Company	
	SEC 33: ALL								0.01174425	Blackwood & Nichols Co., Ltd.	
	T30W R7W								0.00432862	EOG (New Mexico) Inc.	
SEC 4: LOTS 5, 6, 7, 8	6.7, 8	S/2 N/2 & SE/4 S/2 N/2 & SE/4	SEC 9: N/2 & W/2 SW/4	0.00033389	0.01023636	Thayer H. Laurie Trust	USA 12.5%	2.5%			
									SEC 8: LOTS 1, 2, 3, 5/2 & NW/4	0.00020205	Devon Energy Corporation
										0.00017808	B. E. Hutchinson Trust
										0.06258627	B. E. Hutchinson Trust

EXHIBIT "B"
NORTHEAST BLANCO UNIT

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL & GAS INTERESTS
(TRIBE OWNERSHIP ABOVE THE MESA VERDE POPULATION)

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 OROI	
			TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL						
11	T10N R7W	2056.12	079065	4/1/51	0.06300082	0.03154041	Amoco Production Company	USA 12.5%	2.5%	
	SEC 20: E/2, E/2 W/2, W/2 SW/4		AMOCO PRODUCTION CO., ET AL.	0.00769272						Meridian Oil Production Company
	SEC 21: ALL			0.01083291						Blackwood & Nichols Co., Ltd.
	SEC 29: ALL			0.00384529						EOG (New Mexico) Inc.
12	T30N R7W	103.60	079053	10/1/49	0.00317840	0.00317840	Northwest Pipeline Corporation	USA 12.5%	5.0%	
	SEC 19: LOTS 12, 13		NORTHWEST PIPELINE CORPORATION							
	E/2 SW/4									
13	T30N R7W	2236.44	079060	9/1/48	0.06861296	0.03430648	Amoco Production Company	USA 12.5%	2.5%	
	SEC 9: SE/4, E/2 SW/4		AMOCO PRODUCTION CO., ET AL.	0.00836737						Meridian Oil Production Company
	SEC 17: N/2 NE/4, SE/4 NE/4, E/2 SE/4			0.01134786						Blackwood & Nichols Co., Ltd.
	SEC 19: LOTS 10, 11, S/2 SE/4			0.00448252						EOG (New Mexico) Inc.
	SEC 20: NE/4, E/2 NW/4, S/2			0.00032262						Thayer H. Laurie Trust
	SEC 21: ALL			0.00989088						Devon Energy Corporation
	SEC 22: W/2 NW/4, NW/4 SW/4			0.00019523						B. E. Hutchinson Trust
	SEC 29: N/2			0.06861296						
14	T10N R7W	371.07	079073	4/1/51	0.01138426	0.00569213	Amoco Production Company	USA 12.5%	2.5%	
	SEC 18: E/2 W/2, LOTS 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		AMOCO PRODUCTION CO., ET AL.	0.00138831						Meridian Oil Production Company
				0.00188284						Blackwood & Nichols Co., Ltd.
				0.00069396						EOG (New Mexico) Inc.
				0.00005353						Thayer H. Laurie Trust
				0.00164110						Devon Energy Corporation
		0.00003239	B. E. Hutchinson Trust							
			0.01138426							

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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	SAVIA FB SERIAL NO., LEASE DATE, & RECORD HOLDER		TRACT PARTICIP.		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	
			TRACT NO.	DATE	TRACT PARTICIP. DECIMAL	W.I. PARTICIP. DECIMAL		PERCENT OF ROYALTY	PERCENT OF OPR
15	T30N R7W SEC 17: LOTS 6,7,8 SEC 20: LOTS 1,2	133.12	NM 013706-A 5/1/51 NORTHWEST PIPELINE CORPORATION		0.00408406	0.00408406	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 E/2 W/2 SEC 31: LOTS 5,7,8,11, 12 & 14 & E/2 W/2	1022.45	079082 4/1/51 AMOCO PRODUCTION CO., ET AL.		0.03136830	0.01568415 0.00382537 0.00518799 0.00191215 0.00014750 0.00452189 0.00088925	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%
16-B	T30N R7W SEC 17: LOTS 2,5 T31V R6W SEC 25: SE/4	211.62	079082-A 4/1/51 NORTHWEST PIPELINE CORPORATION		0.00649240	0.00649240	Northwest Pipeline Corporation	USA 12.5%	5.0%
17	T30N R6W SEC 17: SW/4 NW/4, W/2 SW/4, SE/4 SW/4	140.03	079511 9/1/49 REW R. HOWELL		0.00429606	0.00429606	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		0.00981745	0.00490873 0.00119724 0.00162370 0.00059845 0.00004616 0.00141524 0.00002793	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%
					0.00981745				

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT	
				PARTICIP. DECIMAL	N.I. DECIMAL		OF ROYALTY	OF ORE
19	T11M RW SEC 14: W/2, W/2, SE/4 NW/4 SEC 15: ALL	840.00	NM 03156 4/01/48 BLACKWOOD & NICHOLS CO., ET AL	0.02577082	0.00628552	Meridian Oil Production Company	USA 12.5%	5.0%
					0.00852445	Blackwood & Nichols Co., Ltd.		
					0.00314188	EOG (New Mexico) Inc.		
					0.00242235	Thayer H. Laurie Trust		
				0.00742996	0.00742996	Devon Energy Corporation		
				0.00014666	0.00014666	B. E. Hutchinson Trust		

				0.02577082				
20	T11M RW SEC 30: ALL	640.00	NM 03357 2/01/49 BLACKWOOD & NICHOLS CO., ET AL	0.01963491	0.00478096	Meridian Oil Production Company	USA 12.5%	5%
					0.00649402	Blackwood & Nichols Co., Ltd.		
					0.00239382	EOG (New Mexico) Inc.		
					0.00018465	Thayer H. Laurie Trust		
				0.00566092	0.00566092	Devon Energy Corporation		
				0.00011174	0.00011174	B. E. Hutchinson Trust		

				0.01963491				
21-A	T11M RW SEC 1: LOTS 6,7,8 E/2 SE/4	2396.77	NM 03358 8/1/48 BLACKWOOD & NICHOLS CO., ET AL	0.07353181	0.01793445	Meridian Oil Production Company	USA 12.5%	5%
					0.02432278	Blackwood & Nichols Co., Ltd.		
					0.00896473	EOG (New Mexico) Inc.		
					0.00069151	Thayer H. Laurie Trust		
				0.02119989	0.02119989	Devon Energy Corporation		
				0.00041845	0.00041845	B. E. Hutchinson Trust		

				0.07353181				
21-B	T11M RW SEC 6: LOTS 8,9,10,11	31.89	NM 05058 1/1/51 BLACKWOOD & NICHOLS CO., ET AL	0.00097837	0.00023863	Meridian Oil Production Company	USA 12.5%	NONE
					0.00032362	Blackwood & Nichols Co., Ltd.		
					0.00011928	EOG (New Mexico) Inc.		
					0.00000920	Thayer H. Laurie Trust		
				0.00028207	0.00028207	Devon Energy Corporation		
				0.00000557	0.00000557	B. E. Hutchinson Trust		

				0.00097837				

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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		TRACT		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OROI
			LEASE DATE, & RECORD HOLDER	SERIAL NO.,	TRACT PARTICIP. DECIMAL	W.I. PARTICIP. DECIMAL			
22	T10N R3W SEC 19: LOTS 5, 6, 7, 8, 9, E/2 NW/4	166.76	NM 03845 8/01/52 AMOCO PRODUCTION CO., ET AL.		0.00511612	0.00255806 0.00652391 0.00084615 0.00031187 0.0002406 0.00073751 0.00001456	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	USA 12.5%	NONE
21	T11N R7W SEC 1: LOT 5	10.31	NM 28758 11/01/76 BLACKWOOD & MITCHELL CO., ET AL.		0.00031631	0.00084436 0.00001650 0.00001635 0.00009978 0.00000156 0.00000998 0.00010886 0.00000017 0.00000456 0.00000061 0.00000003 0.00000003 0.00001751 0.00000030 0.00000003 0.00000273 0.00000018 0.00000083 0.00000155 0.00031631	Blackwood & Nichols Co. Devon Energy Cooration (Nevada) EOG (New Mexico) Meridian Oil Production Inc. T. H. Laurie Trust B. E. 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 M. Williams The Wiser Oil Company	USA 12.5%	NONE
24	T31N R7W SEC 14: N/2 NE/4, NE/4 NW/4 NE/4 SW/4, SE/4	320.00	E 1150-1 12/10/49 EL PASO NATURAL GAS CO.		0.00981745	0.00981745	El Paso Production Company	STATE 12.5%	5.0%

EXHIBIT "B"
NORTHEAST BLANCO UNIT

SCHEDULE SHOWING THE PERCENTAGE AND YEAR OF OWNERSHIP IN OIL & GAS INTERESTS
(THE PERCENTAGE ABOVE THE MESA VERDE POPULATION)

TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE		TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OPI
			SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL					
25	T31N R7W SFC 16: SW/4 NE/4	40.00	E 3707-4 7/06/50 NORTHWEST PIPELINE CORPORATION	0.00122718	0.00122718	Northwest Pipeline Corporation	STATE 12.5%	5.0%	
26	T31N R7W SFC 16: W/2 W/2	160.00	E 178-1 2/13/45 AMOCO PRODUCTION CO., ET AL.	0.00490873	0.00245436 0.00059862 0.00081185 0.00029923 0.00002308 0.00070762 0.00001397	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	
					0.00490873				
27	T31N R7W SEC 16: SE/4 NE/4, SE/4 NW/4, SE/4 SW/4	120.00	E 5382 7/10/51 TEACO, INC.	0.00368155	0.00368155	Teaco, Inc.	STATE 12.5%	NONE	
28	T31N R7W SEC 12: E/2	320.00	E 178-1 2/13/45 AMOCO PRODUCTION CO., ET AL.	0.00981745	0.00490873 0.00119724 0.00162370 0.00059845 0.00004616 0.00141524 0.00002793	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	
					0.00981745				
29	T31N R7W SFC 32: NE/4 NW/4	40.00	E 3948-1 8/02/50 JACQUILYN H. WILLIAMS	0.00122718	0.00122718	Jacquelyn H. Williams	STATE 12.5%	12.5%	
30	T31N R7W SFC 32: SE/4 NW/4 NE/4 SW/4	80.00	E 292-9	0.00245436	0.00245436	Northwest Pipeline Corporation	STATE 12.5%	5.0%	

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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	NOTING INTEREST OWNER UNDER OPTION OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF O&G
			TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL					
31	T30W R2W SEC 32: LOTS 1,2,3	44.79	B 453-4 7/16/45 JACQUELYN M. WILLIAMS	0.00137414	0.00137414	Jacquelyn M. Williams	STATE 12.5%	12.5%	
32	T31W R2W SEC 32: LOT 4, SE/4 SW/4	66.32	B-11125 3/21/44 BLACKWOOD & NICHOLS CO., ET AL	0.00209601	0.00051122 0.00069332 0.00023354 0.00001971 0.00060431 0.00001193 ----- 0.00209601	Meridian Oil Production Company Blackwood & Nichols Co., Ltd. BOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	STATE 12.5%	5.0%	
33	T31W R2W SEC 36: ALL	640.00	E505-6 8/21/45 EL PASO NATURAL GAS CO.	0.01963491	0.01963491	El Paso Production Company	STATE 12.5%	21.875%	
34	T30W R2W SEC 2: NE/4	158.74	E 289-3 5/2/45 THE WISER OIL COMPANY	0.00487007	0.00487007	The Wisser Oil Company	STATE 12.5%	NONE	
35	T30W R2W SEC 2: LOT 7, SE/4 NW/4	79.33	E 289-24 5/2/45 NORTHWEST PIPELINE CORPORATION	0.00243381	0.00243381	Northwest Pipeline Corporation	STATE 12.5%	5.0%	
36	T30W R2W SEC 2: LOT 8, S/2, SW/4 NW/4	399.29	E 289-23 5/2/45 NORTHWEST PIPELINE CORPORATION	0.01225003	0.01225003	Northwest Pipeline Corporation	STATE 12.5%	5.0%	

EXHIBIT "B"
NORTHEAST HLANCO UNIT

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL & GAS INTERESTS
(TRUE OWNERSHIP ABOVE THE NSGA VERDE FORMATION)

TRACT NO.	DESCRIPTION	NO. OF ACRES	SANTA FE SERIAL NO., LEASE DATE, & RECORD HOLDER		TRACT W.I. PARTICIP. DECIMAL		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF ORI
			TRACT SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT W.I. PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL				
38	T30N R7W SEC 16: N/2	320.00	E 178-1	0.00981745	0.00490873	Amoco Production Company	STATE 12.5%	NONE	
			2/13/45	0.00119724	0.00162370	Meridian Oil Production Inc.			
			AMOCO	0.00059845	0.00004616	Blackwood & Nichols Co., Ltd.			
			PRODUCTION COMPANY	0.00141524	0.0002793	BOG (New Mexico) Inc.			
			ET AL.	0.0002793	0.0002793	Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust			

				0.00981745					
41	T31N R8W SEC 16: S/2 NE/4, SE/4 NW/4, N/2 SW/4, SW/4 SE/4 NE/4 SE/4	280.00	E 3150-1	0.00859027	0.00859027	El Paso Production Company	STATE 12.5%	5.0%	
			12/10/49						
			EL PASO NATURAL GAS CO.						
42	T31N R8W SEC 16: S/2 SW/4	80.00	E 3707-4	0.00245436	0.00245436	Northwest Pipeline Corporation	STATE 12.5%	5.0%	
			7/06/50						
			NORTHWEST PIPELINE CORPORATION						
43	T31N R8W SEC 16: SW/4 NW/4, NW/4 SE/4	80.00	E 3707-5	0.00245436	0.00245436	Northwest Pipeline Corporation	STATE 12.5%	5.0%	
			7/06/50						
			NORTHWEST PIPELINE CORPORATION						
44	T31N R8W SEC 16: SE/4 SE/4	40.00	E 292-9	0.00122718	0.00122718	Northwest Pipeline Corporation	STATE 12.5%	5.0%	
			5/2/45						
			NORTHWEST PIPELINE CORPORATION						
45	T31N R8W SEC 36: N/2 N/2	160.00	E 5182	0.00490873	0.00490873	Teraco, Inc.	STATE 12.5%	NONE	
			7/10/51						
			TEXACO, INC.						

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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		WORKING INTEREST OWNER UNDER OPTION OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OROI
				PARTICIP. DECIMAL	PARTICIP. DECIMAL			
46	T11N R7W	320.00	NORTHWEST	0.00981745	0.00490873	Northwest Pipeline Corporation	12.5%	NONE
	SEP 11: SE/4 SW/4		0.00490872	McElwain Oil & Gas Properties	17.5%			
	SEP 12: W/2 SE/4 SEP 14: NE/4 NW/4		0.00981745					
47	T11N R7W	320.00	AMOCO PRODUCTION COMPANY	0.00981745	0.00490873	Amoco Production Company	12.5%	NONE
	SEP 1: SW/4, W/2 SE/4		0.00119724	Meridian Oil Production Inc.				
			0.00162370	Blackwood & Nichols Co., Ltd.				
			0.00059845	EOG (New Mexico) Inc.				
			0.00004616	Thayer H. Laurie Trust				
			0.00141524	Devon Energy Corporation				
48	T11N R7W	320.00	AMOCO PRODUCTION COMPANY	0.00981745	0.00490873	Amoco Production Company	12.5%	NONE
	SEP 1: S/2		0.00119724	Meridian Oil Production Inc.				
			0.00162370	Blackwood & Nichols Co., Ltd.				
			0.00059845	EOG (New Mexico) Inc.				
			0.00004616	Thayer H. Laurie Trust				
			0.00141524	Devon Energy Corporation				
49	T11N R7W	40.00	AMOCO PRODUCTION COMPANY	0.00122718	0.00061359	Amoco Production Company	12.5%	NONE
	SEP 19: NE/4 NE/4		0.00014966	Meridian Oil Production Inc.				
			0.00020296	Blackwood & Nichols Co., Ltd.				
			0.00007481	EOG (New Mexico) Inc.				
			0.00000577	Thayer H. Laurie Trust				
			0.00017690	Devon Energy Corporation				
	0.00000349	B. E. Hutchinson Trust						
			0.00122716					

EXHIBIT "B"
NORTHEAST BLANCO UNIT
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL & GAS INTERESTS
(THE OWNERSHIP ABOVE THE MESA VERDE FORMATION)

SANTA FE

TRACT NO.	DESCRIPTION	NO. OF ACRES	SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT N.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OROI
50	T11N R7W SEC 19: SE/4 NE/4, NE/4 SE/4	80.00	AMOCO PRODUCTION COMPANY BT AL 12/09/57	0.00245436	0.00122718 0.00029931 0.00040593 0.00014961 0.00001154 0.00035381 0.00000698	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE

				0.00245436	0.00122718		12.5 %	NONE
51	T11N P7W SEC 19: SE/4 SE/4 SEC 26: NE/4 NE/4	80.00	AMOCO PRODUCTION COMPANY ET AL 1/13/57	0.00245436	0.00122718 0.00029931 0.00040593 0.00014961 0.00001154 0.00035381 0.00000698	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE

				0.00245436	0.00122718		12.5 %	NONE
52	T11N P7W SEC 20: W/2 NW/4	80.00	AMOCO PRODUCTION COMPANY ET AL 11/13/57	0.00245436	0.00122718 0.00029931 0.00040593 0.00014961 0.00001154 0.00035381 0.00000698	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE

				0.00245436	0.00122718		12.5 %	NONE

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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. 1		TRACT PARTICIP. DECIMAL	TRACT M.I. PARTICIP. DECIMAL		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF GRI
			LEASE DATE, A RECORD HOLDER	TRACT PARTICIP. DECIMAL		TRACT M.I. PARTICIP. DECIMAL				
53	T11N R7W SEC. 31: WEST 70 ACRES** IN W/2 NE/4 BEING THE WEST 70 ACRES OF THE MOST WESTERLY 80 ACRES OF TRACT 51	70.00			0.00214757	0.00107378	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE	
**REFERS TO DESCRIPTION BY ORIGINAL SURVEY, FOLLOWED BY DESCRIPTION BY RE-SURVEY UNDERLINED										
54	T11N 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 W/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	0.00276116	0.00138058 0.00033672 0.00045667 0.00016832 0.00001298 0.00039803 0.00000786	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE		
**REFERS TO DESCRIPTION BY ORIGINAL SURVEY, FOLLOWED BY DESCRIPTION BY RE-SURVEY UNDERLINED										

SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP IN OIL & GAS INTERESTS
(TRUE OWNERSHIP ABOVE THE M&A VERDE FORFEITMENT)

TRACT No.	DESCRIPTION	NO. OF ACRES	SANTA FE		M. I.		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF O&G
			SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT PARTICIP. DECIMAL				

55 T10M R7W 174.00 ANOCO 0.00533824 0.00266912 Anoco Production Company
 SEC 30: 40 ACRES IN** PRODUCTION 0.00065100 Meridian Oil Production Inc.
 THE CENTER OF THE SE/4 COMPANY 0.00088289 Blackwood & Nichols Co., Ltd.
 BEING THE NORTH 40 ACRES ET AL. 0.00032541 EOG (New Mexico) Inc.
 OF TRACT 49 11/12/57 0.00002310 Thayer H. Laurie Trust
 T10M R7W 0.00076953 Devon Energy Corporation
 SEC 7: E/2 NW/4,** 0.00001519 B. E. Hutchinson Trust
 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 54 ACRES OF TRACT 10

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

56 T11M P7W 131.00 ANOCO 0.00408038 0.00204019 Anoco Production Company
 SEC 30: 40 ACRES IN** PRODUCTION 0.00049760 Meridian Oil Production Inc.
 THE S/2 SE/4, BEING THE COMPANY 0.00067485 Blackwood & Nichols Co., Ltd.
 SOUTH 40 ACRES IN TRACT 49 ET AL. 0.00024873 EOG (New Mexico) Inc.
 SEC 31: NE/4 NE/4** 0.00001919 Thayer H. Laurie Trust
 BEING TRACT 50 LOCATED IN SECS. 31 & 32 0.00058821 Devon Energy Corporation
 SEC 31: SW/4 SE/4** 0.00001161 B. E. Hutchinson Trust
 BEING TRACT 52; AND THE NORTH 20 ACRES OF TR. 39
 T10M 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

12.5 % NONE

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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	LEASE DATE, & RECORD HOLDER	SANTA FE SERIAL NO.,		TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF ORI
				TRACT	W.I.					
57	T30N R7W SEC 6: S. 27 ACRES OF** 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				0.00162602	0.00081301	Anoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE
**REFERS TO DESCRIPTION BY ORIGINAL SURVEY, FOLLOWED BY DESCRIPTION BY RE-SURVEY UNDERLINE										
58	T30N R7W SEC 7: LOTS 10 & 11	21.39				0.00065624	0.00032812	Anoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. 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: E 80 ACRES** 4 OF TRACT 41 SEC 8: SEC 8: N. 40 AC TR 42**	140.00	11/17/57			0.00429514	0.00214757	Anoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE

**Refers to description by re-survey

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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	LEASE DATE, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT W.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF ORR1
60	T30N P7W 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** 4 PART OF SEC 17: TRACT 42 SEC 7: 80 ACRES IN W.** 4 PART OF TRACT 41 SEC 18:	140.00	11/10/57 AMOCO PRODUCTION CO., ET AL	0.00429514	0.00214757 0.00052379 0.00071037 0.00026182 0.00002020 0.00061917 0.00001222	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (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	0.00490873	0.00245436 0.00059862 0.00081185 0.00029923 0.00002308 0.00070762 0.00001397	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (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	0.00245436	0.00122718 0.00029931 0.00040593 0.00014961 0.00001154 0.00035381 0.00000698	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5 %	NONE

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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 DTR, & 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 ORI
			TRACT PARTICIP. DECIMAL	W.I. PARTICIP. DECIMAL								
63	T30N 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 independent 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 ARRIBA COUNTY, NEW MEXICO	116.28	9/1/53 AMOCO PRODUCTION CO., ET AL	0.00356742	0.00124860 0.00099888 0.00053712 0.00039605 0.00016330 0.00019797	Amoco Production Company El Paso Production Company Blackwood & Nichols Co., Ltd. Meridian Oil Production Inc. Devon Energy Corporation EDG (New Mexico) Inc.	0.00001589 0.00000961	Taylor H. Laurie Trust B. E. Hutchinson Trust	NONE	NONE		
64	T30N R7W SEC 19: W/2 NE/4, **shoing part of Tract 45 **Refers to description by original survey	80.00	11/10/57 AMOCO PRODUCTION CO., ET AL	0.00245436	0.00122718 0.00022931 0.00040593 0.00014961 0.00001154 0.00035301 0.00000698	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EDG (New Mexico) Inc. Taylor H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust			12.5 %	NONE		
65	T30N 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 independent 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	9/1/51 AMOCO PRODUCTION CO., ET AL	0.00134131	0.00067065 0.00016357 0.00022184 0.00008176 0.00000631 0.00019336 0.00000382	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EDG (New Mexico) Inc. Taylor H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust			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. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF GRI
			TRACT SERIAL NO., LEASE DATE, & RECORD HOLDER	TRACT W.I. DECIMAL					
66	T30N R7W SEC 4: E/2 SW/4	80.00	BLACKWOOD & NICHOLS CO., ET AL 6/16/56	0.00245436	0.00039862	Heridian Oil Production Company Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5%	NONE	
67	T30N R7W SEC 4: W/2 SW/4	80.00	DEVON ENERGY CORPORATION (NEVADA) 12/31/89	0.00245436	0.00245436	Devon Energy Corporation	35.0%	NONE	
68	T30N R7W SEC 6: SE/4 SW/4** BEING THE N. 40 AC TR. 40 **REFERS TO DESCRIPTION BY ORIGINAL SURVEY, FOLLOWED BY DESCRIPTION BY RE-SURVEY UNDERLINED.	40.00	AMOCO PRODUCTION CO., ET AL 4/14/58 4/15/58	0.00122718	0.00061359	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5%	NONE	
69	T30N R7W SEC 13: E. 10.85 ACRES OF THE NE/4	18.85	AMOCO PRODUCTION CO., ET AL 12/15/57	0.00037831	0.00028915	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc. Thayer H. Laurie Trust Devon Energy Corporation B. E. Hutchinson Trust	12.5%	NONE	
70	T30N R7W SEC 13: W. 65.55 ACRES OF THE NE/4, W/4 SE/4 EXCEPT THE W. 100 FT.	120.15	AMOCO PRODUCTION CO., ET AL 11/17/57	0.00368615	0.00184308	Amoco Production Company Meridian Oil Production Inc. Blackwood & Nichols Co., Ltd. EOG (New Mexico) Inc.	12.5%	NONE	

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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 NO. 1 PARTICIP. DECIMAL		WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OPI
			TRACT PARTICIP. DECIMAL	TRACT NO. 1 PARTICIP. DECIMAL					
71A	T30N R4W Sec 13: 3.03 ac desc. as a 100' wide strip on E. side of fence in NW/4 SE/4	3.03	DEVON ENERGY CORPORATION (MEVADA) 11/10/89	0.00009296	0.00009296	Devon Energy Corporation	16.66%	NONE	
71B	T30N R4W Sec 13: W. 100 ft. of NE/4 SE/4 N. of 2 ac tract side of fence in NW/4 SE/4	2.00	DEVON ENERGY CORPORATION (MEVADA) 11/22/89 12/08/89 12/11/89	0.0006136	0.0006136	Devon Energy Corporation	16.66%	NONE	
72	T30N R4W Sec 13: 2 ac commencing at SW corner of NE/4 SE/4, N. 150 yds, thence E. 70 yds, thence S. 150 yds, thence W. 70 yds to pob.	2.00	DEVON ENERGY CORPORATION (MEVADA) 11/22/89 12/08/89 11/01/56	0.0006136	0.0006136	Devon Energy Corporation			
73	T30N R4W 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	0.00231937	0.00231937	Northwest Pipeline Corporation	12.5%	NONE	

EXHIBIT "B"
NORTHEAST BLANCO UNIT

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 DATA, & RECORD HOLDER	TRACT PARTICIP. DECIMAL	TRACT N.I. PARTICIP. DECIMAL	WORKING INTEREST OWNER UNDER OPTION AGREEMENT, OPERATING AGREEMENT OR ASSIGNMENT	PERCENT OF ROYALTY	PERCENT OF OREI
74	T30N R8W SEC 13: N/2 NW/4, SE/4 NW/4, NE/4 SW/4	155.60	4/17/61 NORTHEAST PIPELINE CORPORATION	0.00477374	0.00477374	Northwest Pipeline Corporation	12.5 %	NONE

EXCEPT:

- (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 (NW/4) of the Northwest Quarter (NW/4) of said Section 13 lying, being and situated West of Holline Arroyo.

As to exception (1) above	1.00	10/6/62 NORTHEAST PIPELINE CORPORATION	0.00003068	0.00003068	Northwest Pipeline Corporation	12.5 % (Bishop of Gallup)	NONE
T30N R8W SEC 12: SW/4 SW/4 SEC 13: THAT PART OF NW/4 NW/4 LYING WEST OF THE HOLLINO ARROYO	60.00	8/17/57 DELMH OIL CORPORATION	0.00184077	0.00092039 0.00092038 0.00184077	Amoco Production Company Continental Oil Company	12.5 %	17.5 %

TOTAL ACRAGE 32595.01 1.00000000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
1A	200	EL PASO NATIONAL BANK TRUSTEE OF THE BEN R. & ROMAINE S. HOWELL TR P. O. BOX 140 EL PASO TX	0	.00250000
1A	205	EL PASO NATIONAL BANK TRUSTEE OF THE MABELLE HARDIE ROYALTY TRUST P. O. BOX 140 EL PASO TX	0	.00250000
1A	245	RICHARD H FEUILLE 11-D EL PASO NATL BANK BLDG EL PASO TX	0	.00050000
1A	280	JOHN A GRAMBLING P O BOX 1977 EL PASO TX	0	.00225000
1A	320	WILLIAM B HARDIE 1065 LOS JARDINES EL PASO TX	0	.00100000
1A	342	PATRICIA G. HARVEY DRAWER 140 EL PASO TX	0	.00125000
1A	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.13500000
1B	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
1B	3568	TENNECO OIL COMPANY E & P WESTERN ROCKY MOUNTAIN DIV. P. O. BOX 85100 DALLAS TX	0	.18500000
				=====
				.31000000
2A	200	EL PASO NATIONAL BANK TRUSTEE OF THE BEN R. & ROMAINE S. HOWELL TR P. O. BOX 140 EL PASO TX	0	.00250000
2A	205	EL PASO NATIONAL BANK TRUSTEE OF THE MABELLE HARDIE ROYALTY TRUST P. O. BOX 140 EL PASO TX	0	.00250000
2A	245	RICHARD H FEUILLE 11-D EL PASO NATL BANK BLDG EL PASO TX	0	.00050000
2A	280	JOHN A GRAMBLING P O BOX 1977 EL PASO TX	0	.00225000
2A	320	WILLIAM B HARDIE 1065 LOS JARDINES EL PASO TX	0	.00100000
2A	342	PATRICIA G. HARVEY DRAWER 140 EL PASO TX	0	.00125000
2A	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
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				.13500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
2B	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
2B	3568	TENNECO OIL COMPANY E & P WESTERN ROCKY MOUNTAIN DIV. P. O. BOX 85100 DALLAS TX	0	.18500000
				=====
				.31000000
3	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.12500000
4	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.12500000
5	5	HUGH G. ALEXANDER 661 BERING #603 HOUSTON TX	0	.00122070
5	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00060060
5	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00060060

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
5	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00060060
5	177	DAVIS, JEREMY S. 1948 MELLIE ESPERSON BUILDING HOUSTON TX	0	.00015417
5	365	MARY DOLL INGRAM 7600 BURGUYNE, #153 HOUSTON TX	0	.00048830
5	370	DAN W JOHNSTON 405 MICHELLE COURT SANTA FE NM	0	.00100000
5	565	PEARL NEUGENT NORDAN 711 NBC BLDG SAN ANTONIO TX	0	.00030820
5	570	NORDAN TRUST 711 NBC BLDG SAN ANTONIO TX	0	.00030830
5	595	GLADYS DAVIS PEARSON C/O TRUST DEPT INTERFIRST BANK GALVESTON, NA P O BOX 1500 GALVESTON TX	0	.00015420
5	670	J M SLOAN 2828 BMMEL, #1004 HOUSTON TX	0	.00061040

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
5	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	0	.01500000
5	750	TEXAS COMMERCE BANK N A AGENT & ATTORNEY-IN-FACT FOR LEAGUE-DAVIS OWNERS, TRUST P O BOX 200555 HOUSTON TX	0	.00030833
5	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.00303520
5	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
5	800	C S WALLACE 1727 NORTH BOULEVARD HOUSTON TX	0	.00061040
				=====
				.15000000
6A	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00156000
6A	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00198070
6A	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00265210

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	85	ELIZABETH T. CALLOWAY 4801 ST. JOHNS DRIVE DALLAS TX	0	.00031880
6A	175	J. P. DAVIS BOX 131 EDNA TX	0	.00044750
6A	177	DAVIS, JEREMY S. 1948 MELLIE ESPERSON BUILDING HOUSTON TX	0	.00047717
6A	365	MARY DOLL INGRAM 7600 BURGoyNE, #153 HOUSTON TX	0	.00055950
6A	430	MARY K MCCULLEY 441 LONG LEAF ROAD SHREVEPORT LA	0	.00125000
6A	431	MRS. ELIZABETH CAUBLE 2108 RIO HONDO ROAD HARLINGEN TX	0	.00125000
6A	475	IDA MEHR 3519 MARONEAL #4 HOUSTON TX	0	.00022380
6A	480	MBANK DALLAS, N. A., AS TRUSTEE, CATHERINE MARY FLORANCE TRUST (TAS-2767) BOX 97208, C/O TRUST DEPT DALLAS TX	0	.01360000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	485	MBANK DALLAS, N. A., TRUSTEE, DOUGLAS E FLORANCE TRUST NO. 1 (TAS-2092) P O BOX 97208, TRUST DEPT. DALLAS TX	0	.01360000
6A	490	MBANK DALLAS, N. A., TRUSTEE, FLORENCE A FLORANCE TRUST (2088) P O BOX 97208 DALLAS TX	0	.03400000
6A	495	MBANK DALLAS, N. A., TRUSTEE, JAMES JOSEPH FLORANCE TRUST NO.1 (TAS-2093) P O BOX 97208 TRUST DEPT DALLAS TX	0	.01360000
6A	505	MBANK DALLAS, N. A., AS TRUSTEE FOR MAUREEN ELLEN FLORANCE TRUST NO. 1 (2517) P.O. BOX 97208 DALLAS TX	0	.01360000
6A	510	MBANK DALLAS, N. A., TRUSTEE, MAURICE JOSEPH FLORANCE JR TRUST NO.1 (2094) P. O. BOX 97208 DALLAS TX	0	.01360000
6A	565	PEARL NEUGENT NORDAN 711 NBC BLDG SAN ANTONIO TX	0	.00071200
6A	570	NORDAN TRUST 711 NBC BLDG SAN ANTONIO TX	0	.00071200
6A	595	GLADYS DAVIS PEARSON C/O TRUST DEPT INTERFIRST BANK GALVESTON, NA P O BOX 1500 GALVESTON TX	0	.00015410

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	610	W L PETERS C/O MRS. A A WERLLA 2902 STURDEVANT WICHITA FALLS TX	0	.00125000
6A	750	TEXAS COMMERCE BANK N A AGENT & ATTORNEY-IN-FACT FOR LEAGUE-DAVIS OWNERS, TRUST P O BOX 200555 HOUSTON TX	0	.00095433
6A	760	FRED E. TURNER OIL AND GAS INVESTMENTS ONE ENERGY SQUARE, SUITE 852 4925 GREENVILLE AVE. DALLAS TX	0	.00031870
6A	765	JOHN L. TURNER 8585 N. STEMMONS, SUITE 925N DALLAS TX	0	.00031870
6A	775	J GLENN TURNER, JR. BAKER SMITH & MILLS 500 LTV CENTER 2001 ROSS AVENUE DALLAS TX	0	.00031880
6A	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.05801320
6A	786	UNIVERSITY OF ST. THOMAS C/O REV. WILLIAM YOUNG, C.S.D. 3812 MONTROSE BLVD. HOUSTON TX	0	.00335660
6A	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	815	MARTHA PETERS WERLLA 2902 STURDEVANT WICHITA FALLS TX	0	.00125000
6A	905	WILBUR E. HESS 2115 STONEY BROOK HOUSTON TX	0	.00161120
6A	906	ROBERT NORMAN DUMBLE, JR. 10014 LOCKE LANE HOUSTON, TX	0	.00055940
6A	907	DOUGLAS E. JOHNSTON P.O. BOX 4348 HOUSTON TX	0	.00040280
6A	908	WILBUR H. FREDERKING 6327 CRAB ORCHARD HOUSTON TX	0	.00040280
6A	909	RICHARD ALEXANDER, ADMIN. ESTATE OF CHARLES S. ALEXANDER C/O SHAPIRO, FORBES AND COX 2919 ALLEN PARKWAY, SUITE 1122 HOUSTON TX	0	.00040280
6A	910	JERRY J. ANDREW 408 LONGWOODS DRIVE HOUSTON TX	0	.00042340
6A	911	JAMES J. JOHNSTON NINE GREENWAY PLAZA EAST SUITE 2112 HOUSTON TX	0	.00042340

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	912	V. A. JOHNSTON FAMILY TRUST P. O. BOX 925 RALLS TX	0	.00042340
6A	913	INTERFIRST BANK OF FORT WORTH U/A EULA MAY JOHNSTON, NO.661 P. O. BOX 2546 FORT WORTH TX	0	.00169360
6A	914	O.C. ROGERS, V.J. GIBBARD, & E G. ALLMAN, TRSTS OF THE ROGERS GIBBARD TRUST, % W. S. ROGERS 10003 BURGANDY WACO, TX	0	.00042340
6A	916	ELEANOR M. ARCHER, TRUSTEE U/W OF W. R. ARCHER 3615 PIPING ROCK LANE HOUSTON TX	0	.00064600
6A	917	ALLISON A. HENDERSON 9004-B ANDERSON MILL ROAD ROUND ROCK TX	0	.00010770
6A	918	HAZEL A. BRACKEN NO. 1 WEST LANE HOUSTON TX	0	.00010770
6A	919	JEAN A. REESE NO. 5 MOCKINGBIRD CIRCLE HOUSTON TX	0	.00010760
6A	921	INTERFIRST BANK CORSICANA, N.A. SUB. INDEP. EXECUTOR OF THE ESTATE OF HORTENSE E. DAVANT P. O. BOX 613 CORSICANA TX	0	.00113050

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	923	ESTATE OF MARGARET A. KEARNS HELENE D. GORMAN, CO-EXECUTOR FOX HILL ROUTE 3 FLOYD KNOBS IN	0	.00092650
6A	924	ROY ROWNTREE 438 FOX BRIAR SUGAR LAND TX	0	.00016150
6A	926	CLAUD W. & JESSE S. RAYBOURN CO-EXECUTORS U/W OF LORENE R. SMITH 207 WILSHIRE LANE NEWARK DE	0	.00040380
6A	927	ENID L. THOMPSON 316 DAHLIA DENVER CO	0	.00018170
6A	928	GUNTER THOMPSON 350 SHARON PARK DRIVE, H-106 MENLO PARK CA	0	.00018170
6A	929	JANE M. THOMPSON 155 11TH ST. N. E. WASHINGTON DC	0	.00018170
6A	931	JOANNE THOMPSON RUGELEY 3813 TOLMAS METAIRIE LA	0	.00045420
6A	932	VIRGINIA T. CREPS 21 TWIN BROOKS WILLOW GROVE PA	0	.00045420

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	933	F. L. TUCKER 301 SAGE ROAD #3 HOUSTON TX	0	.00016150
6A	934	G. E. THOMPSON P. O. BOX 111 ROUND TOP TX	0	.00016150
6A	936	MARGARET HARDY VANSANT P. O. BOX 817 LEAGUE CITY TX	0	.00016150
6A	937	BETTY WEST STEDMAN P. O. BOX 27389 HOUSTON TX	0	.00242250
6A	938	JAMES W. WEST P. O. BOX 24263 LOS ANGELES CA	0	.00242250
6A	939	W. H. HODGES G. WALLA, & W. E. WATSON JR., TR OF STUART WEST STEDMAN P. O. BOX 7 HOUSTON TX	0	.00032300
6A	941	W. H. HODGES G. WALLA & W. E. WATSON JR., TR OF LYNN STEDMAN P. O. BOX 7 HOUSTON TX	0	.00032300
6A	942	W. H. HODGES G. WALLA & W. E. WATSON, JR., TR OF CLARE STEDMAN P. O. BOX 7 HOUSTON TX	0	.00032300

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6A	943	JAMES A. WILLIAMS P. O. BOX 20489 HOUSTON TX	0	.00000000
6A	944	NEAL S. WATERFALL 2503 SYCAMORE CANYON ROAD SANTA BARBARA CA	0	.00014610
6A	945	DORIS WILLIAMS P. O. BOX 20489 HOUSTON, TX	0	.00056100
6A	946	ESTATE OF ESTELLE B. ATWILL JAMES H. ATWILL, EXECUTOR P. O. BOX 8 FORT ARANSAS TX	0	.00014610
6A	947	EDWARD L. WINTERER 289 OCEAN VIEW DRIVE DEL MAR CA	0	.00007300
6A	948	JOAN I. WINTERER 600 NORTH 6TH STREET SANTA PAULA CA	0	.00007300
6A	949	E. HUNTER STONE II 1025 FIRST NATIONAL BANK BLDG. 621 17TH STREET DENVER CO	0	.00014610
6A	951	GLADYS WATFORD NINE GREENWAY PLAZA EAST SUITE 2112 HOUSTON TX	0	.00066720
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				.32500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6B	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00156000
6B	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00156000
6B	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00223130
6B	175	J. P. DAVIS BOX 131 EDNA TX	0	.00044750
6B	177	DAVIS, JEREMY S. 1948 MELLIE ESPERSON BUILDING HOUSTON TX	0	.00015417
6B	200	EL PASO NATIONAL BANK TRUSTEE OF THE BEN R. & ROMAINE S. HOWELL TR P. O. BOX 140 EL PASO TX	0	.00250000
6B	205	EL PASO NATIONAL BANK TRUSTEE OF THE MABELLE HARDIE ROYALTY TRUST P. O. BOX 140 EL PASO TX	0	.00250000
6B	245	RICHARD H FEUILLE 11-0 EL PASO NATL BANK BLDG EL PASO TX	0	.00050000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6B	280	JOHN A GRAMBLING P O BOX 1977 EL PASO TX	0	.00225000
6B	320	WILLIAM B HARDIE 1065 LOS JARDINES EL PASO TX	0	.00100000
6B	342	PATRICIA G. HARVEY DRAWER 140 EL PASO TX	0	.00125000
6B	365	MARY DOLL INGRAM 7600 BURGUYNE, #153 HOUSTON TX	0	.00055950
6B	475	IDA MEHR 3519 MARONEAL #4 HOUSTON TX	0	.00022380
6B	565	PEARL NEUGENT NORDAN 711 NBC BLDG SAN ANTONIO TX	0	.00030820
6B	570	NORDAN TRUST 711 NBC BLDG SAN ANTONIO TX	0	.00030820
6B	595	GLADYS DAVIS PEARSON C/O TRUST DEPT INTERFIRST BANK GALVESTON, NA P O BOX 1500 GALVESTON TX	0	.00015410

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
68	750	TEXAS COMMERCE BANK N A AGENT & ATTORNEY-IN-FACT FOR LEAGUE-DAVIS OWNERS, TRUST P O BOX 200555 HOUSTON TX	0	.00030833
68	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.00706210
68	786	UNIVERSITY OF ST. THOMAS C/O REV. WILLIAM YOUNG, C.S.D. 3812 MONTROSE BLVD. HOUSTON TX	0	.00335660
68	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
68	905	WILBUR E. HESS 2115 STONEY BROOK HOUSTON TX	0	.00161120
68	906	ROBERT NORMAN DUMBLE, JR. 10014 LOCKE LANE HOUSTON, TX	0	.00055940
68	907	DOUGLAS E. JOHNSTON P.O. BOX 4348 HOUSTON TX	0	.00040280
68	908	WILBUR H. FREDERKING 6327 CRAB ORCHARD HOUSTON TX	0	.00040280

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
6B	909	RICHARD ALEXANDER, ADMIN. ESTATE OF CHARLES S. ALEXANDER C/O SHAPIRO, FORBES AND COX 2919 ALLEN PARKWAY, SUITE 1122 HOUSTON TX	0	.00040280
6B	910	JERRY J. ANDREW 408 LONGWOODS DRIVE HOUSTON TX	0	.00042340
6B	911	JAMES J. JOHNSTON NINE GREENWAY PLAZA EAST SUITE 2112 HOUSTON TX	0	.00042340
6B	912	V. A. JOHNSTON FAMILY TRUST P. O. BOX 925 RALLS TX	0	.00042340
6B	913	INTERFIRST BANK OF FORT WORTH U/A EULA MAY JOHNSTON, NO.661 P. O. BOX 2546 FORT WORTH TX	0	.00169360
6B	914	O.C. ROGERS, V.J. GIBBARD, & E G. ALLMAN, TRSTS OF THE ROGERS GIBBARD TRUST, % W. S. ROGERS 10003 BURGANDY WACO, TX	0	.00042340
				=====
				.15000000
7	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00156000
7	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00156000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
7	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00223130
7	175	J. P. DAVIS BOX 131 EDNA TX	0	.00044750
7	177	DAVIS, JEREMY S. 1948 MELLIE ESPERSON BUILDING HOUSTON TX	0	.00015417
7	365	MARY DOLL INGRAM 7600 BURGoyNE, #153 HOUSTON TX	0	.00055950
7	475	IDA MEHR 3519 MARONEAL #4 HOUSTON TX	0	.00022380
7	565	PEARL NEUGENT NORDAN 711 NBC BLDG SAN ANTONIO TX	0	.00030820
7	570	NORDAN TRUST 711 NBC BLDG SAN ANTONIO TX	0	.00030820
7	595	GLADYS DAVIS PEARSON C/O TRUST DEPT INTERFIRST BANK GALVESTON, NA P O BOX 1500 GALVESTON TX	0	.00015410

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
7	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	0	.00250000
7	750	TEXAS COMMERCE BANK N A AGENT & ATTORNEY-IN-FACT FOR LEAGUE-DAVIS OWNERS, TRUST P O BOX 200555 HOUSTON TX	0	.00030833
7	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.00456210
7	786	UNIVERSITY OF ST. THOMAS C/O REV. WILLIAM YOUNG, C.S.D. 3812 MONTROSE BLVD. HOUSTON TX	0	.00335660
7	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
7	905	WILBUR E. HESS 2115 STONEY BROOK HOUSTON TX	0	.00161120
7	906	ROBERT NORMAN DUMBLE, JR. 10014 LOCKE LANE HOUSTON, TX	0	.00055940
7	907	DOUGLAS E. JOHNSTON P.O. BOX 4348 HOUSTON TX	0	.00040280

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
7	908	WILBUR H. FREDERKING 6327 CRAB ORCHARD HOUSTON TX	0	.00040280
7	909	RICHARD ALEXANDER, ADMIN. ESTATE OF CHARLES S. ALEXANDER C/O SHAPIRO, FORBES AND COX 2919 ALLEN PARKWAY, SUITE 1122 HOUSTON TX	0	.00040280
7	910	JERRY J. ANDREW 408 LONGWOODS DRIVE HOUSTON TX	0	.00042340
7	911	JAMES J. JOHNSTON NINE GREENWAY PLAZA EAST SUITE 2112 HOUSTON TX	0	.00042340
7	912	V. A. JOHNSTON FAMILY TRUST P. O. BOX 925 RALLS TX	0	.00042340
7	913	INTERFIRST BANK OF FORT WORTH U/A EULA MAY JOHNSTON, NO.661 P. O. BOX 2546 FORT WORTH TX	0	.00169360
7	914	O.C. ROGERS, V.J. GIBBARD, & E G. ALLMAN, TRSTS OF THE ROGERS GIBBARD TRUST, % W. S. ROGERS 10003 BURGANDY WACO, TX	0	.00042340
				=====
				.15000000
8A	550	TEXON ENERGY CORPORATION DEPARTMENT NO. 1041 P.O. BOX 4554 HOUSTON TX	0	.02500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
8A	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15000000
8B	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00131530
8B	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00131530
8B	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00188130
8B	175	J. P. DAVIS BOX 131 EDNA TX	0	.00037730
8B	177	DAVIS, JEREMY S. 1948 MELLIE ESPERSON BUILDING HOUSTON TX	0	.00012993
8B	365	MARY DOLL INGRAM 7600 BURGOYNE, #153 HOUSTON TX	0	.00094340
8B	475	IDA MEHR 3519 MARONEAL #4 HOUSTON TX	0	.00018870

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
88	550	TEXON ENERGY CORPORATION DEPARTMENT NO. 1041 P.O. BOX 4554 HOUSTON TX	0	.00392160
88	565	PEARL NEUGENT NORDAN 711 NBC BLDG SAN ANTONIO TX	0	.00025990
88	570	NORDAN TRUST 711 NBC BLDG SAN ANTONIO TX	0	.00025990
88	595	GLADYS DAVIS PEARSON C/O TRUST DEPT INTERFIRST BANK GALVESTON, NA P O BOX 1500 GALVESTON TX	0	.00012990
88	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	0	.00210790
88	750	TEXAS COMMERCE BANK N A AGENT & ATTORNEY-IN-FACT FOR LEAGUE-DAVIS OWNERS, TRUST P O BOX 200555 HOUSTON TX	0	.00025987
88	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.00384640
88	786	UNIVERSITY OF ST. THOMAS C/O REV. WILLIAM YOUNG, C.S.D. 3812 MONROSE BLVD. HOUSTON TX	0	.00283010

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
8B	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
8B	905	WILBUR E. HESS 2115 STONEY BROOK HOUSTON TX	0	.00101880
8B	907	DOUGLAS E. JOHNSTON P.O. BOX 4348 HOUSTON TX	0	.00033960
8B	908	WILBUR H. FREDERKING 6327 CRAB ORCHARD HOUSTON TX	0	.00033960
8B	909	RICHARD ALEXANDER, ADMIN. ESTATE OF CHARLES S. ALEXANDER C/O SHAPIRO, FORBES AND COX 2919 ALLEN PARKWAY, SUITE 1122 HOUSTON TX	0	.00067920
8B	910	JERRY J. ANDREW 408 LONGWOODS DRIVE HOUSTON TX	0	.00035700
8B	911	JAMES J. JOHNSTON NINE GREENWAY PLAZA EAST SUITE 2112 HOUSTON TX	0	.00035700
8B	912	V. A. JOHNSTON FAMILY TRUST P. O. BOX 925 RALLS TX	0	.00035700

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
8B	913	INTERFIRST BANK OF FORT WORTH U/A EULA MAY JOHNSTON, NO.661 P. O. BOX 2546 FORT WORTH TX	0	.00142800
8B	914	O.C. ROGERS, V.J. GIBBARD, & E G. ALLMAN, TRSTS OF THE ROGERS GIBBARD TRUST, % W. S. ROGERS 10003 BURGANDY WACO, TX	0	.00035700
				=====
				.15000000
9	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.02500000
9	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15000000
10	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.02500000
10	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15000000
11	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.02500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
11	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15000000
12	300	STEPHEN L HAGOOD P O BOX 1401 DENVER CO	0	.05000000
12	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.17500000
13	125	W. B. COLLINS & MARGARET C. COLLINS P. O. BOX 271 MIDLAND TX	0	.01250000
13	170	F. FARRELL DAVIS P. O. BOX 3061 MIDLAND TX	0	.00625000
13	180	PAUL L. DAVIS JR. P. O. BOX 1811 MIDLAND TX	0	.00625000
13	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15000000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
14	470	CENTRAL BANK OF DENVER PERSONAL REPRESENTATIVE OF ESTATE OF GIDEON MAYFIELD P. O. BOX 17289, T. A. DENVER CO	0	.02500000
14	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15000000
15	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.12500000
16A	395	LEAR PETROLEUM EXPLORATION, INC 950 ONE ENERGY SQUARE 4925 GREENVILLE AVENUE DALLAS TX	0	.01093750
16A	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
16A	6362	AMOCO PRODUCTION COMPANY P.O. BOX 651042 DALLAS TX	0	.01406250
				=====
				.15000000
16B	395	LEAR PETROLEUM EXPLORATION, INC 950 ONE ENERGY SQUARE 4925 GREENVILLE AVENUE DALLAS TX	0	.02187500

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
16B	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
16B	6361	AMOCO PRODUCTION COMPANY P.O. BOX 651042 DALLAS TX	0	.02812500
				=====
				.17500000
17	60	BOLACK MINERALS COMPANY 3901 BLOOMFIELD HIGHWAY FARMINGTON NM	0	.02000000
17	200	EL PASO NATIONAL BANK TRUSTEE OF THE BEN R. & ROMAINE S. HOWELL TR P. O. BOX 140 EL PASO TX	0	.00250000
17	205	EL PASO NATIONAL BANK TRUSTEE OF THE MABELLE HARDIE ROYALTY TRUST P. O. BOX 140 EL PASO TX	0	.00250000
17	245	RICHARD H FEUILLE 11-D EL PASO NATL BANK BLDG EL PASO TX	0	.00050000
17	280	JOHN A GRAMBLING P O BOX 1977 EL PASO TX	0	.00225000
17	320	WILLIAM B HARDIE 1065 LOS JARDINES EL PASO TX	0	.00100000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
17	342	PATRICIA G. HARVEY DRAWER 140 EL PASO TX	0	.00125000
17	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15500000
18	125	W. B. COLLINS & MARGARET C. COLLINS P. O. BOX 271 MIDLAND TX	0	.01250000
18	170	F. FARRELL DAVIS P. O. BOX 3061 MIDLAND TX	0	.00625000
18	180	PAUL L. DAVIS JR. P. O. BOX 1811 MIDLAND TX	0	.00625000
18	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.15000000
19	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00038400

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
19	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00038350
19	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00053350
19	55	CAROLYN W. BILLINGS 1219 EAST 26TH STREET TULSA OK	0	.01333300
19	132	MICHAEL CONRY ROUTE 7, BOX 174 MIDLAND TX	0	.00062500
19	133	STEVEN CONRY P.O. BOX 4633 MIDLAND TX	0	.00062500
19	166	ANNA K. DAVIES GUARDIANSHIP BANK OF COMMERCE & TRUST CO. BOX 2269 TULSA OK	0	.00333300
19	210	ALBERT E. FAGAN 505 HADLEY STREET HOUSTON TX	0	.00032500
19	316	CAROL CONRY HALL 2913 AURORA MIDLAND TX	0	.00062500

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
19	317	JOAN CONRY HAUPTMAN 5824 OGDEN CT. BETHESDA MD	0	.00062500
19	385	ESTATE OF E F KALB C/O ELVA KALB DUMAS IND. EXECUTRIX 5555 EL MONTE DRIVE HOUSTON TX	0	.00065000
19	406	JUDY ULVESTAD LISTER 7306 CANTEEN CIRCLE AUSTIN TX	0	.00062500
19	481	SUSAN CONRY MEYER RD. 1 SOUTH CANTON ROAD POTSDAM NY	0	.00062500
19	555	JULIA NEVELEFF IN CARE OF MILTON SCHWARTZ SCHWARTZ, LAVIAGE & STEINMANN 3310 TRAVIS, SUITE 200 HOUSTON TX	0	.00032500
19	580	JULIA PAGE P O BOX 336 MEDICINE LODGE KS	0	.01333300
19	636	TERESA CONRY RAMSEY P. O. BOX 4633 MIDLAND TX	0	.00062500
19	778	GREGORY E. ULVESTAD 4709 WILSHIRE MIDLAND TX	0	.00062500

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
19	779	MARILYN LOUISE ULVESTAD 2805 DOUGLAS MIDLAND TX	0	.00500000
19	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.00740000
19	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.17500000
20	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00038400
20	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00038350
20	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00053350
20	55	CAROLYN W. BILLINGS 1219 EAST 26TH STREET TULSA OK	0	.01333300
20	132	MICHAEL CONRY ROUTE 7, BOX 174 MIDLAND TX	0	.00062500

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
20	133	STEVEN CONRY P.O. BOX 4633 MIDLAND TX	0	.00062500
20	166	ANNA K. DAVIES GUARDIANSHIP BANK OF COMMERCE & TRUST CO. BOX 2269 TULSA OK	0	.00333300
20	210	ALBERT E. FAGAN 505 HADLEY STREET HOUSTON TX	0	.00032500
20	316	CAROL CONRY HALL 2913 AURORA MIDLAND TX	0	.00062500
20	317	JOAN CONRY HAUPTMAN 5824 OGDEN CT. BETHESDA MD	0	.00062500
20	385	ESTATE OF E F KALB C/O ELVA KALB DUMAS IND. EXECUTRIX 5555 EL MONTE DRIVE HOUSTON TX	0	.00065000
20	406	JUDY ULVESTAD LISTER 7306 CANTEEN CIRCLE AUSTIN TX	0	.00062500
20	481	SUSAN CONRY MEYER RD. 1 SOUTH CANTON ROAD POTSDAM NY	0	.00062500

MEMORANDUM OF INTERESTS OWNED BY THE
 PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
20	555	JULIA NEVELEFF IN CARE OF MILTON SCHWARTZ SCHWARTZ, LAVIAGE & STEINMANN 3310 TRAVIS, SUITE 200 HOUSTON TX	0	.00032500
20	580	JULIA PAGE P O BOX 336 MEDICINE LODGE KS	0	.01333300
20	636	TERESA CONRY RAMSEY P. O. BOX 4633 MIDLAND TX	0	.00062500
20	778	GREGORY E. ULVESTAD 4709 WILSHIRE MIDLAND TX	0	.00062500
20	779	MARILYN LOUISE ULVESTAD 2805 DOUGLAS MIDLAND TX	0	.00500000
20	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.00740000
20	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.17500000
21A	25	ALMA MAE BEAMON ANDERSON 5211 BRIAR DRIVE HOUSTON TX	0	.00038400

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
21A	36	PATTIE BEAMON LUNDELL 6363 WOODWAY, SUITE 560 HOUSTON TX	0	.00038350
21A	40	R. E. BEAMON III THREE RIVERWAY, SUITE 470 HOUSTON TX	0	.00053350
21A	55	CAROLYN W. BILLINGS 1219 EAST 26TH STREET TULSA OK	0	.01333300
21A	132	MICHAEL CONRY ROUTE 7, BOX 174 MIDLAND TX	0	.00062500
21A	133	STEVEN CONRY P.O. BOX 4633 MIDLAND TX	0	.00062500
21A	166	ANNA K. DAVIES GUARDIANSHIP BANK OF COMMERCE & TRUST CO. BOX 2269 TULSA OK	0	.00333300
21A	210	ALBERT E. FAGAN 505 HADLEY STREET HOUSTON TX	0	.00032500
21A	316	CAROL CONRY HALL 2913 AURORA MIDLAND TX	0	.00062500

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
21A	317	JOAN CONRY HAUPTMAN 5824 OGDEN CT. BETHESDA MD	0	.00062500
21A	385	ESTATE OF E F KALB C/O ELVA KALB DUMAS IND. EXECUTRIX 5555 EL MONTE DRIVE HOUSTON TX	0	.00065000
21A	406	JUDY ULVESTAD LISTER 7306 CANTEEN CIRCLE AUSTIN TX	0	.00062500
21A	481	SUSAN CONRY MEYER RD. 1 SOUTH CANTON ROAD POTSDAM NY	0	.00062500
21A	555	JULIA NEVELEFF IN CARE OF MILTON SCHWARTZ SCHWARTZ, LAVIAGE & STEINMANN 3310 TRAVIS, SUITE 200 HOUSTON TX	0	.00032500
21A	580	JULIA PAGE P O BOX 336 MEDICINE LODGE KS	0	.01333300
21A	636	TERESA CONRY RAMSEY P. O. BOX 4633 MIDLAND TX	0	.00062500
21A	778	GREGORY E. ULVESTAD 4709 WILSHIRE MIDLAND TX	0	.00062500

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
21A	779	MARILYN LOUISE ULVESTAD 2805 DOUGLAS MIDLAND TX	0	.00500000
21A	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.00740000
21A	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.17500000
21B	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.12500000
22	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.12500000
23	795	MINERALS MANAGEMENT SERVICE LAKEWOOD ACCOUNTING CENTER BOX 5810 T.A. PAYOR CODE 13750 DENVER CO	F	.12500000
				=====
				.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
24	80	ESTATE OF JOHN H. BURROUGHS HERB MARCHMAN, PERSONAL REP. P. O. DRAWER 329 PORTALES NM	0	.05000000
24	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
				=====
				.17500000
25	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
25	250	FIRST NATIONAL BANK OF FORT SMITH, ARKANSAS, AS TRUSTEE FOR NORA HAMPTON BROWN P. O. BOX 7 FORT SMITH AR	0	.00125000
25	307	ROBIN HAMPTON 16 THOMPSON DRIVE CLARKSVILLE, AR	0	.00125000
25	470	CENTRAL BANK OF DENVER PERSONAL REPRESENTATIVE OF ESTATE OF GIDEON MAYFIELD P. O. BOX 17289, T. A. DENVER CO	0	.03500000
25	560	OTIS E NIDIFFER 3123 EAST 37TH STREET TULSA OK	0	.00500000
25	583	AGNES PATTERSON 400 ROGERS STREET CLARKSVILLE, AR	0	.00125000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
25	584	TOM D. PATTERSON 6908 PRESTONSHIRE LANE DALLAS, TX	0	.00125000
25	685	GENEVIEVE SUPPES 1717 MIDWESTERN PARKWAY #138 WICHITA FALLS TX	0	.00166600
25	690	GEORGE BIDDLE SUPPES, JR. 11611 S 100 E AVE BIXBY OK	0	.00166700
25	695	PATRICK COLONEL SUPPES 678 MIRADA AVENUE STANFORD CA	0	.00166700
				=====
				.17500000
26	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
				=====
				.12500000
27	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
				=====
				.12500000
28	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
				=====
				.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
29	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		
29	290	EDWARD J HAAG RT 4, BOX 475	0	.12500000
		BAKERSFIELD CA		
				=====
				.25000000
30	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		
30	360	DOROTHY B HUGHES 2107 ARBUTUS ST.	0	.05000000
		NEWPORT BEACH, CA		
				=====
				.17500000
31	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		
31	285	GULF OIL CORPORATION P. O. BOX 1150	0	.12500000
		MIDLAND TX		
				=====
				.25000000
32	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
32	135	PEARL COREY WIRE ROAD	0	.01250000
		MERRIMACK, NH		
32	335	VERNA O HARTMAN 82 SHAKEMILL RD	0	.01875000
		ROSEBURG OR		
32	575	VERDA L OSPALD 656 WHARTON ST	0	.01875000
		ROSEBURG OR		
				=====
				.17500000
33	65	KAY DIANE BOWLES 6209 BROOKSIDE DRIVE	0	.01000000
		CHEVY CHASE ML		
33	70	E. GLEASON BROWN 7002 W. ORANGE DR.	0	.00012500
		GLENDALE AZ		
33	75	ROBERT A. BROWN	0	.00012500
		FLETCHER OK		
33	85	ELIZABETH T. CALLOWAY 4801 ST. JOHNS DRIVE	0	.02234375
		DALLAS TX		
33	100	JAMES A. COLLIER P. O. BOX 63	0	.00012500
		ELGIN OK		

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
33	105	NELSON COLLIER 1605 BIXBY ARDMORE OK	0	.00012500
33	110	ROBERT COLLIER BOX 449 FLETCHER OK	0	.00012500
33	115	VIRGINIA COLLIER FLETCHER OK	0	.00012500
33	120	SHERYL COLLINS JAMESTOWN KS	0	.00010500
33	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
33	140	BIRDIE F. CORYELL 4502 WEST 29TH STREET LITTLE ROCK AR	0	.00012500
33	260	FIRST NATL BANK OF TOPEKA TRUSTEE U/A JULIE J MARTIN LIVING - MAY 6, 1980 P O BOX 88, TRUST DEPT TOPEKA KS	0	.00010400
33	295	VERA F. HADSELL OR JULIE J. BISTLINE 9 BLOOMSBURY COURT TOPEKA KS	0	.00010400

DEBORAH W. HICKS COY, LLC
 PARTICIPATION MASTER LIST

PAGE 12

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
33	315	HELEN J SWEARINGEN HARDGRAVE P O BOX 514	0	.00062500
		ANTLERS OK		
33	325	STELLA P. HERRELL 2704 MEADOW GREEN	0	.00012500
		BEDFORD TX		
33	355	FLORA J HOPKINS 2149 SAN ANSELINA AVE	0	.00012500
		LONG BEACH CA		
33	390	GEORGIA LAFFERTY RT. 2, BOX 129A	0	.00015625
		MILLER MO		
33	451	JOHN C. MAJOR 2407 CROCKETT	0	.00012500
		AMARILLO TX		
33	605	HARRIE L PERRY JR. P. O. BOX 396	0	.00020900
		DERIDDER LA		
33	645	ERNEST REDFORD 111 NARA VISA N W	0	.00015625
		ALBUQUERQUE NM		
33	650	LOUISE M. RICHARDSON 1916 NORWOOD ST	0	.00015625
		INDEPENDENCE MO		

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
33	655	RUBY ROGERS 3104 E. BROADWAY, SP. 108 MESA AZ	0	.00015625
33	700	ADDIE SWEARINGEN 1100 GEMINI CIRCLE PORTALES NM	0	.00500000
33	705	FLORENCE SWEARINGEN RT 1 JAMESTOWN KS	0	.00031250
33	710	GLEN SWEARINGEN 1715 - 23RD #8 BELLEVILLE KS	0	.00010400
33	715	HOMER A SWEARINGEN 2364 N. RICHMOND STREET WICHITA KS	0	.00046875
33	720	HOWARD SWEARINGEN JAMESTOWN KS	0	.00010400
33	725	MARION L SWEARINGEN 6543 LEWELLING TOPEKA KS	0	.00015625
33	730	ESTATE OF PAULINE R SWEARINGEN HOMER A. SWEARINGEN, ADMINSTR. 2364 N. RICHMOND STREET WICHITA KS	0	.00015625

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
33	735	ANNA PAULINE SWEARINGEN JAMESTOWN KS	0	.00010400
33	760	FRED E. TURNER OIL AND GAS INVESTMENTS ONE ENERGY SQUARE, SUITE 852 4925 GREENVILLE AVE. DALLAS TX	0	.02234375
33	765	JOHN L. TURNER 8585 N. STEMMONS, SUITE 925N DALLAS TX	0	.02234375
33	775	J GLENN TURNER, JR. BAKER SMITH & MILLS 500 LTV CENTER 2001 ROSS AVENUE DALLAS TX	0	.02234375
33	805	CHARLINE WATSON P O BOX 1424 PONCA CITY OK	0	.00020800
33	810	EDNA M WATT 400 HOLLAND DRIVE BRODERICK CA	0	.00015625
33	820	MAYME WHITE 600 MEADOW LANE TONKAWA OK	0	.00020800
33	3567	TENNECO OIL COMPANY E & P WESTERN ROCKY MOUNTAIN DIV. P. O. BOX 85100 DALLAS TX	0	.10937500
				=====
				.34375000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
34	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		=====
				.12500000
35	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		
35	350	HONDO OIL AND GAS COMPANY DEPARTMENT 0955	O	.05000000
		DALLAS TX		
				=====
				.17500000
36	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		
36	360	DOROTHY B HUGHES 2107 ARBUTUS ST.	O	.05000000
		NEWPORT BEACH, CA		
				=====
				.17500000
38	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308	F	.12500000
		SANTA FE NM		
				=====
				.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
41	80	ESTATE OF JOHN H. BURROUGHS HERB MARCHMAN, PERSONAL REP. P. O. DRAWER 329 PORTALES NM	0	.05000000
41	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
				=====
				.17500000
42	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
42	250	FIRST NATIONAL BANK OF FORT SMITH, ARKANSAS, AS TRUSTEE FOR NORA HAMPTON BROWN P. O. BOX 7 FORT SMITH AR	0	.00125000
42	307	ROBIN HAMPTON 16 THOMPSON DRIVE CLARKSVILLE, AR	0	.00125000
42	470	CENTRAL BANK OF DENVER PERSONAL REPRESENTATIVE OF ESTATE OF GIDEON MAYFIELD P. O. BOX 17289, T. A. DENVER CO	0	.03500000
42	560	OTIS E NIDIFFER 3123 EAST 37TH STREET TULSA OK	0	.00500000
42	583	AGNES PATTERSON 400 ROGERS STREET CLARKSVILLE, AR	0	.00125000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
42	584	TOM D. PATTERSON 6908 PRESTONSHIRE LANE DALLAS, TX	0	.00125000
42	685	GENEVIEVE SUPPES 1717 MIDWESTERN PARKWAY #138 WICHITA FALLS TX	0	.00166600
42	690	GEORGE BIDDLE SUPPES, JR. 11611 S 100 E AVE BIXBY OK	0	.00166700
42	695	PATRICK COLONEL SUPPES 678 MIRADA AVENUE STANFORD CA	0	.00166700
				=====
				.17500000
43	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
43	136	CARL D. COMSTOCK 8622 KIRKHAM DR. SAN ANTONIO TX	0	.00500000
43	181	BARBARA C. DOZIER 97 SAN JUAN AVE ALAMOSA, CO	0	.00500000
43	270	MARYBELLE D. FOSTER 5790 CHEROKEE ST. LITTLETON CO	0	.01500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
43	470	CENTRAL BANK OF DENVER PERSONAL REPRESENTATIVE OF ESTATE OF GIDEON MAYFIELD P. O. BOX 17289, T. A. DENVER CO	0	.02000000
43	545	HELEN C. MYERS OR CARL S. MYERS, JOINT TENANTS WITH RIGHT OF SURVIVORSHIP 97 SAN JUAN AVE. ALAMOSA CO	0	.00500000
				=====
				.17500000
44	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
44	360	DOROTHY B HUGHES 2107 ARBUTUS ST. NEWPORT BEACH, CA	0	.05000000
				=====
				.17500000
45	130	COMMISSIONER OF PUBLIC LANDS P. O. BOX 2308 SANTA FE NM	F	.12500000
				=====
				.12500000
46	38	MAXWELL C. ANDERSON BOX 416 IGNACIO CO	R	.00273440
46	340	CATHERINE M HARVEY P O BOX 2148 SANTA FE NM	R	.02050780

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
46	395	LEAR PETROLEUM EXPLORATION, INC 950 ONE ENERGY SQUARE 4925 GREENVILLE AVENUE DALLAS TX	R	.02343750
46	435	T H MCELVAIN JR. P O BOX 2148 SANTA FE NM	R	.02050780
46	592	HAROLD PAYNE JR. 435 CLIFFVIEW DRIVE RENO NV	R	.00273440
46	625	JAMES M RAYMOND P O BOX 1445 KERRVILLE TX	R	.03417970
46	630	JAMES M RAYMOND, TRUSTEE OF THE CORINNE MILLER GAY TRUST P O BOX 1445 KERRVILLE TX	R	.00341800
46	635	JAMES M RAYMOND, TRUSTEE FOR THE MAYDELLE MILLER MAST TRUST P O BOX 1445 KERRVILLE TX	R	.00341790
46	780	PAUL H UMBACH PINESTEAD, FLAGSTAFF ROAD BOULDER CO	R	.00390625
46	6361	AMOCO PRODUCTION COMPANY P.O. BOX 651042 DALLAS TX	R	.03515625
				=====
				.15000000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
47	541	CARLYLE W. MULLEN OR SHIRLEY H. MULLEN 2605 S. TOMAHAWK RD. #212 APACHE JUNCTION, AZ	R	.06250000
47	542	AVIS A. OR SHIRLEY MILES 829 FRUIT PARK ROAD MONTROSE CO	R	.06250000
				=====
				.12500000
48	640	IRENE REA 458 COUNTY RD. 308 DURANGO CO	R	.12500000
				=====
				.12500000
49	620	MARTIN A PIERCE P. O. BOX 4140 FARMINGTON, NM	R	.06250000
49	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	R	.06250000
				=====
				.12500000
50	440	HORACE F & ELMYRA K MCKAY P O BOX 14738 5900 TRAMWAY BLVD, N E ALBUQUERQUE NM	R	.06250000
50	585	EDITH ALINE PAYNE 645 MONROE, N E ALBUQUERQUE NM	R	.06250000
				=====
				.12500000

GENERAL & FINANCIAL SERVICES, LTD.
 PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
51	30	GEORGIA FAYE ANDERSON 322 SOUTH MAIN AZTEC NM	R	.01562500
51	90	PAUL F. CATTERSON P. O. BOX 1482 DENVER CO	R	.03125000
51	465	EILEEN MOREE MATZ 3621 E 27TH ST. TUCSON AZ	R	.01562500
51	613	DIRK V. REEMTSMA C/O 1ST INTERSTATE BANK, AGENT P.O. BOX 4140 FARMINGTON NM	R	.00520834
51	614	LANCE B. REEMTSMA 4667 OCEAN BLVD., APT 306 SAN DIEGO CA	R	.00520834
51	615	THE CITIZENS BANK, TRUSTEE THE JOHN A PIERCE TRUST P O BOX 1140 FARMINGTON NM	R	.00000000
51	616	DAVID A. PIERCE C/O FIRST INTERSTATE BANK AGENT P.O. BOX 4140 FARMINGTON NM	R	.00694444
51	617	JOHN B. PIERCE C/O FIRST INTERSTATE BANK AGENT P.O. BOX 4140 FARMINGTON NM	R	.00694444

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
51	618	SUSAN L. PIERCE NELSON C/O FIRST INTERSTATE BANK AGENT P.O. BOX 4140 FARMINGTON NM	R	.00694444
51	665	PATRICIA PENROSE SCHIEFFER C/O J. THOMAS SCHIEFFER 1640 FIRST CITY BANK TOWER 201 MAIN STREET FORT WORTH TX	R	.01562500
51	680	AMERICAN BNK OF COMMERCE OF EL PASO, LIVING TRUST OF TERESA W. TATUM, ATTN SCOTT FLOWER P. O. BOX 9697 EL PASO TX	R	.00781250
51	745	ROBERT S TATUM P O BOX 7392 NORTH KANSAS CITY MO	R	.00664060
51	755	TRUST OIL & GAS SECTION FIRST OF FORT WORTH TRUSTEE FOR J L TATUM, ET UX P O BOX 2546 FORT WORTH TX	R	.00117190
				=====
				.12500000
52	45	H.L. BIGLER IRREVOCABLE TRUST C/O ROGER ALLEN BIGLER 428 BELLEVUE AVENUE OAKLAND CA	R	.03125000
52	50	MARY ELOISE BIGLER 5311 CRIBARI GLEN SAN JOSE CA	R	.00000000
52	90	PAUL F. CATTERSON P. O. BOX 1482 DENVER CO	R	.01562500

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
52	240	GEORGE D. FEHR P. O. BOX 1167 SALT LAKE CITY UT	R	.01562500
52	665	PATRICIA PENROSE SCHIEFFER C/O J. THOMAS SCHIEFFER 1640 FIRST CITY BANK TOWER 201 MAIN STREET FORT WORTH TX	R	.03125000
52	680	AMERICAN BNK OF COMMERCE OF EL PASO, LIVING TRUST OF TERESA W. TATUM, ATTN SCOTT FLOWER P. O. BOX 9697 EL PASO TX	R	.01562500
52	745	ROBERT S TATUM P O BOX 7392 NORTH KANSAS CITY MO	R	.01328130
52	755	TRUST OIL & GAS SECTION FIRST OF FORT WORTH TRUSTEE FOR J L TATUM, ET UX P O BOX 2546 FORT WORTH TX	R	.00234370
				===== .12500000
53	620	MARTIN A PIERCE P. O. BOX 4140 FARMINGTON, NM	R	.06250000
53	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	R	.06250000
				===== .12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
54	367	FLORINDA JARAMILLO 1831 EASTLAWN DURANGO CO	R	.00173610
54	411	DANNY LUCERO 1 & 6 AVENUE, SPACE #16 DURANGO CO	R	.00173610
54	412	GERALDINE LUCERO 412 E. 2ND STREET DURANGO CO	R	.00173610
54	413	JOE TOMMY LUCERO BOX 414 OLATHE CO	R	.00173620
54	414	JOSE E. LUCERO P. O. BOX 225 IGNACIO CO	R	.01562500
54	416	MASEDONIA LUCERO 879 EAST SAGE STREET BAYFIELD CO	R	.01562500
54	417	RUBEL LUCERO, JR. 2800 N. DUSTIN #122 FARMINGTON, NM	R	.00173610
54	418	DORA LERMA 27653 HIGHWAY 6 & 24, #1306 RIFLE CO	R	.00173610

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
54	452	JOSEPHINE MARTINEZ 111 COUNTY ROAD 507 BAYFIELD CO	R	.01562500
54	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	R	.06250000
54	920	CINDY ROMERO 635 ARROYO DRIVE, APT. #393 DURANGO CO	R	.00173610
54	925	MARY ROMERO 3305 EAST FIFTH AVENUE DURANGO CO	R	.00173610
54	954	NANCY ANN WRIGHT 131 WEST 19TH STREET DURANGO CO	R	.00173610
				=====
				.12500000
55	445	MADRIENNE MCLAUGHLIN 6725 12TH ST. DESERT HOT SPRINGSCA	R	.02873600
55	613	DIRK V. REEMTSMA C/O 1ST INTERSTATE BANK, AGENT P.O. BOX 4140 FARMINGTON NM	R	.01604400
55	614	LANCE B. REEMTSMA 4667 OCEAN BLVD., APT 306 SAN DIEGO CA	R	.01604400

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
55	615	THE CITIZENS BANK, TRUSTEE THE JOHN A PIERCE TRUST P O BOX 1140 FARMINGTON NM	R	.00000000
55	616	DAVID A. PIERCE C/O FIRST INTERSTATE BANK AGENT P.O. BOX 4140 FARMINGTON NM	R	.02139200
55	617	JOHN B. PIERCE C/O FIRST INTERSTATE BANK AGENT P.O. BOX 4140 FARMINGTON NM	R	.02139200
55	618	SUSAN L. PIERCE NELSON C/O FIRST INTERSTATE BANK AGENT P.O. BOX 4140 FARMINGTON NM	R	.02139200
				=====
				.12500000
56	367	FLORINDA JARAMILLO 1831 EASTLAWN DURANGO CO	R	.00156642
56	380	GEORGE H JOSEPH 8001 EAST BROADWAY, #308 MESA AZ	R	.03101500
56	411	DANNY LUCERO 1 & 6 AVENUE, SPACE #16 DURANGO CO	R	.00156642
56	412	GERALDINE LUCERO 412 E. 2ND STREET DURANGO CO	R	.00156641

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
56	413	JOE TOMMY LUCERO BOX 414 OLATHE CO	R	.00156642
56	414	JOSE E. LUCERO P. O. BOX 225 IGNACIO CO	R	.01409775
56	416	MASEDONIA LUCERO 879 EAST SAGE STREET BAYFIELD CO	R	.01409775
56	417	RUBEL LUCERO, JR. 2800 N. DUSTIN #122 FARMINGTON, NM	R	.00156642
56	418	DORA LERMA 27653 HIGHWAY 6 & 24, #1306 RIFLE CO	R	.00156642
56	452	JOSEPHINE MARTINEZ 111 COUNTY ROAD 507 BAYFIELD CO	R	.01409775
56	500	MBANK DALLAS, N. A. TRUSTEE, M J FLORANCE TRUST (2871) P. O. BOX 97208 DALLAS TX	R	.03759400
56	920	CINDY ROMERO 635 ARROYO DRIVE, APT. #393 DURANGO CO	R	.00156641

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
56	925	MARY ROMERO 3305 EAST FIFTH AVENUE DURANGO CO	R	.00156642
56	954	NANCY ANN WRIGHT 131 WEST 19TH STREET DURANGO CO	R	.00156641
				=====
				.12500000
57	190	T. G. & VELENA G. EGGLESTON 135 RIVERVIEW DRIVE DURANGO CO	R	.00294800
57	310	ESTATE OF TERRY R. HANDLEY BY JAMES P. F. EGBERT, CONSERVATOR 3910 NORTH CAMPBELL AVENUE TUCSON AZ	R	.00589600
57	340	CATHERINE M HARVEY P O BOX 2148 SANTA FE NM	R	.02830200
57	380	GEORGE H JOSEPH 8001 EAST BROADWAY, #308 MESA AZ	R	.00294800
57	435	T H MCELVAIN JR. P O BOX 2148 SANTA FE NM	R	.02830200
57	625	JAMES M RAYMOND P O BOX 1445 KERRYVILLE TX	R	.04717000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
57	630	JAMES M RAYMOND, TRUSTEE OF THE CORINNE MILLER GAY TRUST P O BOX 1445 KERRVILLE TX	R	.00471700
57	635	JAMES M RAYMOND, TRUSTEE FOR THE MAYDELLE MILLER MAST TRUST P O BOX 1445 KERRVILLE TX	R	.00471700
				=====
				.12500000
58	460	MASEK TRUST A C/O 1ST NAT BANK-FARMINGTON P.O. BOX 540 FARMINGTON NM	R	.06250000
58	461	MASEK TRUST B C/O 1ST NAT BANK-FARMINGTON P.O. BOX 540 FARMINGTON NM	R	.06250000
				=====
				.12500000
59	225	GLENN J. FAVERINO ROUTE 2, BOX 84 IGNACIO CO	R	.00607600
59	230	LOUIS T. FAVERINO P. O. BOX 8 BLOOMFIELD NM	R	.02691100
59	231	CHRISTOPHER FAVERINO 301 EAST PENON AZTEC NM	R	.00130200

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
59	235	ROBERT FAVERINO ROUTE 1, BOX 290 SPARTA, MO	R	.00607600
59	600	SUSAN J. PERRIN ASLI, AS TRUSTEE, PURSUANT TO WRITTEN TRUST DATED OCTOBER 17, 1983 13714 VIA DEL PALMA, APT. G WHITTIER CA	R	.02083300
59	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	R	.06250000
59	935	BILLIE JEAN FAVERINO 1004 CIMARRON AVE. AZTEC NM	R	.00130200
				===== .12500000
60	225	GLENN J. FAVERINO ROUTE 2, BOX 84 IGNACIO CO	R	.01215300
60	230	LOUIS T. FAVERINO P. O. BOX 8 BLOOMFIELD NM	R	.05381900
60	231	CHRISTOPHER FAVERINO 301 EAST PENON AZTEC NM	R	.00260400
60	235	ROBERT FAVERINO ROUTE 1, BOX 290 SPARTA, MO	R	.01215300

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
60	600	SUSAN J. PERRIN ASLI, AS TRUSTEE, PURSUANT TO WRITTEN TRUST DATED OCTOBER 17, 1983 13714 VIA DEL PALMA, APT. G WHITTIER CA	R	.04166700
60	935	BILLIE JEAN FAVERINO 1004 CIMARRON AVE. AZTEC NM	R	.00260400
				=====
				.12500000
61	190	T. G. & VELENA G. EGGLESTON 135 RIVERVIEW DRIVE DURANGO CO	R	.00078100
61	191	E M NOMINEE PARTNERSHIP CO. DEPARTMENT #380 DENVER CO	R	.12109400
61	310	ESTATE OF TERRY R. HANDLEY BY JAMES P. F. EGBERT, CONSERVATOR 3910 NORTH CAMPBELL AVENUE TUCSON AZ	R	.00234400
61	380	GEORGE H JOSEPH 8001 EAST BROADWAY, #308 MESA AZ	R	.00078100
				=====
				.12500000
62	225	GLENN J. FAVERINO ROUTE 2, BOX 84 IGNACIO CO	R	.01215300

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
62	230	LOUIS T. FAVERINO P. O. BOX 8 BLOOMFIELD NM	R	.05382000
62	231	CHRISTOPHER FAVERINO 301 EAST PENON AZTEC NM	R	.00260400
62	235	ROBERT FAVERINO ROUTE 1, BOX 290 SPARTA, MO	R	.01215300
62	600	SUSAN J. PERRIN ASLI, AS TRUSTEE, PURSUANT TO WRITTEN TRUST DATED OCTOBER 17, 1983 13714 VIA DEL PALMA, APT. G WHITTIER CA	R	.04166600
62	935	BILLIE JEAN FAVERINO 1004 CIMARRON AVE. AZTEC NM	R	.00260400
				=====
				.12500000
63	998	EL PASO NATURAL GAS CO. P. O. BOX 1492 ATTN: GENE WALSH EL PASO TX	R	.03500000
63	6362	AMOCO PRODUCTION COMPANY P.O. BOX 651042 DALLAS TX	R	.04375000
63	8061	BLACKWOOD & NICHOLS CO., LTD. 1310 FIRST NATL. CENTER WEST OKLAHOMA CITY OK	R	.03269778

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
63	8071	DEVON ENERGY CORPORATION 1500 MID-AMERICA TOWER OKLAHOMA CITY OK	R	.00036509
63	8101	THAYER H. LAURIE C/O NATIONAL BANK OF DETROIT TRUST DEPARTMENT BOX 222A, ATTN: LARY D. HORTON DETROIT MI	R	.00055673
63	8102	THAYER H. LAURIE & DAVID N. MILLS, TRUSTEES, C/O NATL BNK OF DETROIT, ATTN: LARY HORTON BOX 222A DETROIT MI	R	.00033689
63	8111	OGP (DELAWARE) INC. THE FIRST INTERSTATE TOWER SO. 621 - 17TH STREET, SUITE 1140 DENVER CO	R	.00693672
63	8203	WESTLAND OIL DEVELOPMENT CORP. P. O. BOX 900 MONTGOMERY TX	R	.00535679
				=====
				.12500000
64	190	T. G. & VELENA G. EGGLESTON 135 RIVERVIEW DRIVE DURANGO CO	R	.00156300
64	191	E M NOMINEE PARTNERSHIP CO. DEPARTMENT #380 DENVER CO	R	.11718700
64	310	ESTATE OF TERRY R. HANDLEY BY JAMES P. F. EGBERT, CONSERVATOR 3910 NORTH CAMPBELL AVENUE TUCSON AZ	R	.00468700

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
64	380	GEORGE H JOSEPH 8001 EAST BROADWAY, #308 MESA AZ	R	.00156300 =====
				.12500000
65	524	MORRIS MIZEL	R	.01562500
65	526	SAM MIZEL	R	.01562500
65	621	MYRNA RAFFKIND 3800 DUNBURY AMARILLO TX	R	.01562500
65	950	BARBARA WITTEN 535 EAST 86TH STREET NEW YORK NY	R	.03125000
65	952	ROBERT C. WITTEN 535 EAST 86TH STREET NEW YORK NY	R	.03125000
65	955	JUDY ZWEIBACK 9008 PACIFIC OMAHA NE	R	.01562500 =====
				.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
66	145	MRS. JULIA CRUTCHER C/O CRUTCHER CORPORATION P. O. BOX 965 KATY TX	R	.03125000
66	150	WILLIAM CAREY CRUTCHER P. O. BOX 965 KATY TX	R	.01562500
66	275	JULIA LENORA CRUTCHER GEORGE RIVER RANCH ANNAPOLIS CA	R	.01562500
66	500	MBANK DALLAS, N. A. TRUSTEE, M J FLORANCE TRUST (2871) P. O. BOX 97208 DALLAS TX	R	.06250000
				=====
				.12500000
68	10	CHARLES W. &/OR SHEILA AMSDEN ROYAL BANK OF CANADA PEMBINA & DARTMOUTH BRANCH 2310 PEMBINA HIGHWAY R3T 2H3 WINNIPEG, MANITOBA CN	R	.00781300
68	15	LARRY AMSDEN P. O. BOX 387 BOULDER CREEK CA	R	.00781200
68	20	WINIFRED AMSDEN 1730 PONDEROSA LOS ALAMOS NM	R	.01562500
68	155	CHARLES H. & ROBERT S. CULPEPPER TESTAMENTARY TRUSTEES 308 NORTH BUENA VISTA FARMINGTON NM	R	.03125000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
68	161	ETHELWYN H. CULPEPPER LIVING TRUST 308 N. BUENA VISTA FARMINGTON NM	R	.03125000
68	255	FIRST NATL BANK OF IOWA CITY TRUSTEE FOR VIRGINIA AMSDEN WHITMIRE UNDER TR AGRMNT DATED 8/6/66 IOWA CITY IA	R	.01562500
68	305	DR WILLIAM A HALL 416 NORTH BEHREND AVE FARMINGTON NM	R	.01562500
				=====
				.12500000
69	620	MARTIN A PIERCE P. O. BOX 4140 FARMINGTON, NM	R	.06250000
69	675	SOUTHLAND ROYALTY COMPANY 801 CHERRY STREET FORT WORTH TX	R	.06250000
				=====
				.12500000
70	225	GLENN J. FAVERINO ROUTE 2, BOX 84 IGNACIO CO	R	.00529200
70	230	LOUIS T. FAVERINO P. O. BOX 8 BLOOMFIELD NM	R	.02343100

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
70	231	CHRISTOPHER FAVERINO 301 EAST PENON	R	.00113300
		AZTEC NM		
70	235	ROBERT FAVERINO ROUTE 1, BOX 290	R	.00529100
		SPARTA, MO		
70	455	TONITA B MARTINEZ 927 BOWEN AVENUE	R	.07057800
		FARMINGTON NM		
70	600	SUSAN J. PERRIN ASLI, AS TRUSTEE, PURSUANT TO WRITTEN TRUST DATED OCTOBER 17, 1983 13714 VIA DEL PALMA, APT. G WHITTIER CA	R	.01814100
70	935	BILLIE JEAN FAVERINO 1004 CIMARRON AVE.	R	.00113400
		AZTEC NM		
				=====
				.12500000
73	410	MRS. FLORENCE S LONG 3720 WEST ELY ROAD	R	.04166700
		HANNIBAL MO		
73	515	ANN L MILLER & FLORENCE S LONG CO-TRUSTEES UWO EDWARD V LONG C/O MRS ANN L MILLER 1 CARDIFF LANE HANNIBAL MO	R	.08333300
				=====
				.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
74	340	CATHERINE M HARVEY P O BOX 2148 SANTA FE NM	R	.01552520
74	345	MOST REV. JEROME J HASTRICH BISHOP OF GALLUP P O BOX 1338 GALLUP NM	R	.00079830
74	400	ELVIN & LORENE LEWIS 26336 CO. RD. - P DOLORES, CO	R	.06210090
74	420	CHARLES W MCCARTY, LIVING TRST C/O ALBUQUERQUE NATL BANK, TRUST DEPT. - ROBERT C BOULE P O BOX 1344 ALBUQUERQUE NM	R	.01552520
74	425	MRS GUADALUPE D MCCARTY 4324 ARGOS DRIVE SAN DIEGO CA	R	.01552520
74	435	T H MCELVAIN JR. P O BOX 2148 SANTA FE NM	R	.01552520
				=====
				.12500000
75	177	DAVIS, JEREMY S. 1948 MELLIE ESPERSON BUILDING HOUSTON TX	O	.00024933
75	265	MONA FLORANCE 824 RIO ARRIBA, S E ALBUQUERQUE NM	R	.12500000

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
75	480	MBANK DALLAS, N. A., AS TRUSTEE, CATHERINE MARY FLORANCE TRUST (TAS-2767) BOX 97208, C/O TRUST DEPT DALLAS TX	0	.01400000
75	485	MBANK DALLAS, N. A., TRUSTEE, DOUGLAS E FLORANCE TRUST NO. 1 (TAS-2092) P O BOX 97208, TRUST DEPT. DALLAS TX	0	.01400000
75	490	MBANK DALLAS, N. A., TRUSTEE, FLORENCE A FLORANCE TRUST (2088) P O BOX 97208 DALLAS TX	0	.03500000
75	495	MBANK DALLAS, N. A., TRUSTEE, JAMES JOSEPH FLORANCE TRUST NO.1 (TAS-2093) P O BOX 97208 TRUST DEPT DALLAS TX	0	.01400000
75	505	MBANK DALLAS, N. A., AS TRUSTEE FOR MAUREEN ELLEN FLORANCE TRUST NO. 1 (2517) P.O. BOX 97208 DALLAS TX	0	.01400000
75	510	MBANK DALLAS, N. A., TRUSTEE, MAURICE JOSEPH FLORANCE JR TRUST NO.1 (2094) P. O. BOX 97208 DALLAS TX	0	.01400000
75	565	PEARL NEUGENT NORDAN 711 NBC BLDG SAN ANTONIO TX	0	.00041560
75	570	NORDAN TRUST 711 NBC BLDG SAN ANTONIO TX	0	.00041560

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
75	595	GLADYS DAVIS PEARSON C/O TRUST DEPT INTERFIRST BANK GALVESTON, NA P O BOX 1500 GALVESTON TX	0	.00024940
75	750	TEXAS COMMERCE BANK N A AGENT & ATTORNEY-IN-FACT FOR LEAGUE-DAVIS OWNERS, TRUST P O BOX 200555 HOUSTON TX	0	.00049867
75	785	UNION OIL COMPANY OF CALIF ACCT. #088-727 P. O. BOX 297538 HOUSTON TX	0	.05678320
75	916	ELEANOR M. ARCHER, TRUSTEE U/W OF W. R. ARCHER 3615 PIPING ROCK LANE HOUSTON TX	0	.00066500
75	917	ALLISON A. HENDERSON 9004-B ANDERSON MILL ROAD ROUND ROCK TX	0	.00011090
75	918	HAZEL A. BRACKEN NO. 1 WEST LANE HOUSTON TX	0	.00011080
75	919	JEAN A. REESE NO. 5 MOCKINGBIRD CIRCLE HOUSTON TX	0	.00011080
75	921	INTERFIRST BANK CORSICANA, N.A. SUB. INDEP. EXECUTOR OF THE ESTATE OF HORTENSE E. DAYANT P. O. BOX 613 CORSICANA TX	0	.00116380

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
75	923	ESTATE OF MARGARET A. KEARNS HELENE D. GORMAN, CO-EXECUTOR FOX HILL ROUTE 3 FLOYD KNOBS IN	0	.00066500
75	924	ROY ROWNTREE 438 FOX BRIAR SUGAR LAND TX	0	.00016620
75	926	CLAUD W. & JESSE S. RAYBOURN CO-EXECUTORS U/W OF LORENE R. SMITH 207 WILSHIRE LANE NEWARK DE	0	.00041560
75	927	ENID L. THOMPSON 316 DAHLIA DENVER CO	0	.00018700
75	928	GUNTER THOMPSON 350 SHARON PARK DRIVE, H-106 MENLO PARK CA	0	.00018700
75	929	JANE M. THOMPSON 155 11TH ST. N. E. WASHINGTON DC	0	.00018700
75	931	JOANNE THOMPSON RUGELEY 3813 TOLMAS METAIRIE LA	0	.00046760
75	932	VIRGINIA T. CREPS 21 TWIN BROOKS WILLOW GROVE PA	0	.00046760

PARTICIPATION MASTER LIST

TRACT NUMBER	OWNER NUMBER	OWNER/NAME ADDRESS	INTEREST TYPE	INTEREST AMOUNT
75	933	F. L. TUCKER 301 SAGE ROAD #3 HOUSTON TX	0	.00016630
75	934	G. E. THOMPSON P. O. BOX 111 ROUND TOP TX	0	.00016630
75	936	MARGARET HARDY VANSANT P. O. BOX 817 LEAGUE CITY TX	0	.00016620
75	937	BETTY WEST STEDMAN P. O. BOX 27389 HOUSTON TX	0	.00249380
75	938	JAMES W. WEST P. O. BOX 24263 LOS ANGELES CA	0	.00249380
75	939	W. H. HODGES G. WALLA & W. E. WATSON JR., TR OF STUART WEST STEDMAN P. O. BOX 7 HOUSTON TX	0	.00033250
75	941	W. H. HODGES G. WALLA & W. E. WATSON JR., TR OF LYNN STEDMAN P. O. BOX 7 HOUSTON TX	0	.00033250
75	942	W. H. HODGES G. WALLA & W. E. WATSON, JR. TR OF CLARE STEDMAN P. O. BOX 7 HOUSTON TX	0	.00033250
				=====
				.30000000

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

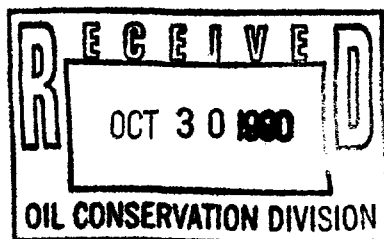
October 24, 1990

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 Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, New Mexico 87401

Attention: Ken Townsend



Re: Proposed Expansion of the
Northeast Blanco Unit
Fruitland Coal Participating Area

Gentlemen:

Enclosed please find the following data regarding the proposed expansion of the Northeast Blanco Fruitland Coal Participating Area:

- 1) Contour map showing SCF/Ton gas content of the Fruitland Coal under the proposed PA expansion.
- 2) Capital Cost and well test data, where available, for each location.
- 3) Comparison of results of cased hole completions versus uncemented liner/stressed cavity completions.
- 4) Desorption Isotherm for the Northeast Blanco Unit No. 403 well showing the recovery for different abandonment pressures.

* WELL HISTORY'S
TO ARTEC OFFICE

- 5) Volumetric reserve calculations for each location in the proposed expansion. Also included are detailed drilling reports and desorption data, where available.
- 6) Production history curve, showing the per well rates of the offsetting San Juan 30-6 Unit in the Fruitland Coal.
- 7) Detailed calculation of wellhead gas price including sweetening and transmission costs.
- 8) A spreadsheet tabulating the economics and calculated reserves for each location.

The thicknesses used in the volumetric calculations are taken from the previously submitted Isolith map of the Fruitland Coal.

The results of these assumptions and calculations are tabulated on the attached spreadsheet. The methodology used in these calculations is as follows:

Reserve Calculations-

Reserves were calculated volumetrically using the field measurements of SCF/Ton and recovery factors based on the anticipated abandonment pressure for each area.

Please note that we have contracted for a line pressure of 100 psi in the Middle Mesa portion of the Northeast Blanco Unit and approximately 400 psi in the Pump Mesa portion. This results in increased projected recovery factors for the Middle Mesa portion versus the Pump Mesa Portion of the proposed expansion to the PA. Specifically 70% versus 35%. This is based on the enclosed Desorption Isotherm for the NEBU No. 403 located in the existing PA.

Further, based on initial test rates and behavior of the offset SJ 30-6 Unit, we have assumed that 35% of the cleat space in the Fruitland Coal is initially gas filled. This results in the recovery of a small amount of "conventional" free gas recovery for these wells.

The exceptions to this are cases where well lives in excess of 50 years were calculated. We have assumed that the effective life of these wells will not exceed 50 years and have cut off the projections at 50 years for fourteen of these locations. This results in the reserves for these fourteen locations being shown as less than the volumetric calculations indicate.

Please find the specific assumptions and calculations for each location in the enclosed individual file folders.

Projected Production Rates-

Initial production rates have been based on field test data, and assumed to be 1/3 of the measured wet test rates. Due to the nature of coal seam methane production we have increased these rates over an 18 month period to 133% of the measured wet tests. We believe that the behavior of the offset SJ 30-6 Unit justifies this type of projection. The test data obtained for the existing wells is included on a spreadsheet and can be seen in the individual drilling reports. Also, it should be noted that there is a significant difference in producing rates based on completion techniques. Uncemented liner(Stressed Cavity) type completions show 10 to 20 times better production tests than conventional cased and frac'd completions. Please note the results of redrilled wells in the existing PA.

Capital Cost-

Capital cost for this project is tabulated on the enclosed spreadsheet labeled as such. We have allocated the cost of the water disposal system and gas gathering system to each location based on projected ultimate recovery. Drilling cost are actual cost taken from our accounting records where available and estimated where complete data is not yet available.

Where a cased hole exists and a redrill is planned we have included the cost of both holes for each location.

Lease Operating Expense-

We have made the following assumptions for future operating expense:

Pumping well costs	\$1,200/Month
Flowing well costs	\$ 600/Month

SWD System costs	\$.20/Bbl
Gas Gathering System costs	\$.02/Mcf

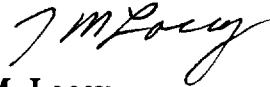
Wellhead Gas Prices-

Also enclosed is a calculation of the wellhead price for this gas. This calculation shows all of the deductions for CO₂ content, line loss and transportation fees. This calculation is based on the price we are currently receiving for the existing PA as of October 1990 and includes the tax credit, estimated to be .86 \$/mcf.

Please note that this project is ongoing and that we will have more wells drilled and completed by the time you receive this. We have tried to be as up to date as possible. However, we believe that this data will indicate that each location in this project is highly economic and will support the proposed expansion of the PA.

Yours very truly,

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



J. M. Lacey
Vice-President

JML/gc