

FOUR-EIGHTH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION
HUERFANO UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC
			OWNERSHIP	PERCENTAGE		
SF 078089	T-27-N, R-11-W Sec. 24: W/2 Sec. 25: A11	960.00	<u>TRACT 1</u>			
	Royalty;			12.500000%	.000000%	<u>0.000000</u>
	Working Interest:			86.500000%	.000000%	
	British American Oil Co.;			1.000000%	.000000%	
	ORRI;			100.000000%	.000000%	
	TOTAL					
			<u>TRACT 2</u>			
SF 078094	T-27-N, R-11-W Sec. 24: E/2	320.00	<u>TRACT 3</u>			
	Royalty;			12.500000%	.000000%	<u>0.000000</u>
	Working Interest:			86.500000%	.000000%	
	British American Oil Co.;			1.000000%	.000000%	
	ORRI;			100.000000%	.000000%	
	TOTAL					
MM 01074	T-26-N, R-11-W Sec. 1: Lots 1,2,3,4, S/2 N/2, S/2 Sec. 12: E/2	959.52	<u>TRACT 4 & 4-A</u>			
	Royalty;			12.500000%	12.500000%	2.228397
	Working Interest:			69.945911%	69.945911%	
	El Paso Natural Gas Co. et al			17.554089%	17.554089%	
	(1)(2);			100.000000%	100.000000%	
	ORRI;					
	TOTAL					
SF 078022	T-27-N, R-10-W Sec. 19: Lots 1,2,3,4, E/2 W/2	334.08	<u>TRACT 4 & 4-A</u>			
	Royalty;			12.500000%	12.500000%	775870
	Working Interest:			44.601656%	44.601656%	
	El Paso Natural Gas Co. et al			29.697500%	29.697500%	
	(1)(2)			13.200844%	13.200844%	
	Amoco Production Co.;			100.000000%	100.000000%	
	ORRI;					
	TOTAL					

Effective July 1, 1976

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESEI PART
			OWNERSHIP	PERCENTAGE		
TRACT 5						
SF 078004	T-27-N, R-10-W Sec. 19: E/2	320.00	Royalty;	12.500000%	.000000%	0.0000
			Working Interest;			
			Frontier Refining Co.;	65.625000%	.000000%	
			ORRI;	21.875000%	.000000%	
			TOTAL	100.000000%	.000000%	
TRACT 6						
SF 076566	T-27-N, R-10-W Sec. 29: W/2	320.00	Royalty;	12.500000%	12.500000%	.743171%
			Working Interest;			
			El Paso Natural Gas Co. et al (1)(2)	47.583549%	47.583549%	
			Amoco Production Co.;	29.697500%	29.697500%	
			ORRI;	10.218951%	10.218951%	
TOTAL			100.000000%	100.000000%		
TRACT 7						
SF 080810	T-27-N, R-10-W Sec. 29: E/2	320.00	Royalty;	12.500000%	12.500000%	.743171%
			Working Interest;			
			Vincent B. Hamilton	13.125000%	13.125000%	
			El Paso Natural Gas Co.;	35.150308%	35.150308%	
			Amoco Production Co.;	29.697500%	29.697500%	
ORRI;			9.527192%	9.527192%		
TOTAL			100.000000%	100.000000%		

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 8						
SF 077384	T-27-N, R-10-W Sec. 30: Lots 3,4, E/2 SW/4, NE/4	327.64,	Royalty; Working Interest: Kutz Canyon Oil & Gas Co.;	12.500000% 85.500000% 2.000000%	.000000% .000000% .000000%	0.000000%
			ORRI;			
			TOTAL	100.000000%	.000000%	
TRACT 9						
SF 077384	T-27-N, R-10-W Sec. 30: Lots 1,2, E/2 NW/4, SE/4	327.40	Royalty; Working Interest: El Paso Natural Gas Co.;	12.500000% 22.456014%	12.500000% 22.456014%	.760357%
			El Paso Natural Gas Co. (Gas only) and Atlantic Richfield Co. (Oil only)			
			Tenneco Oil Company	21.375000%	21.375000%	
			Continental Oil Company	10.687500%	10.687500%	
			Amoco Production Company;	13.848750%	13.848750%	
			ORRI;	8.445236%	8.445236%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
SF 078422	T-27-N, R-10-W Sec. 31: E/2	320.00	TRACT 10			
			Royalty;	12.500000%	12.500000%	<u>.743171%</u>
			Working Interest:			
			El Paso Natural Gas Co.;	49.152869%	49.153869%	
			(1)			
			Amoco Production Company;	25.253533%	25.253533%	
SF 078233	T-27-N, R-10-W Sec. 33: NW/4	160.00	ORRI;	13.093598%	13.093598%	<u>.371585%</u>
			TOTAL	100.000000%	100.000000%	
			TRACT 11			
			Royalty;	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co. et al	47.432349%	47.432349%	
SF 078233	T-27-N, R-10-W Sec. 33: NW/4	160.00	(1)			<u>.371585%</u>
			Amoco Production Company;	29.697500%	29.697500%	
			ORRI;	10.370151%	10.370151%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 12						
SF 078354	T-27-N, R-10-W	80.00				
	Sec. 33: S/2 SE/4					
	Royalty;		12.500000%	12.500000%		<u>.165793%</u>
	Working Interest:					
	Crown Central Pet. Corp.;		87.500000%	87.500000%		
	ORRI;		.000000%	.000000%		
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		
TRACT 13						
NM 02516	T-27-N, R-10-W	240.00				
	Sec. 33: SW/4,					
	N/2 SE/4					
	Royalty;		12.500000%	12.500000%		<u>.557378%</u>
	Working Interest:					
	El Paso Natural Gas Co. et al (1);		40.998755%	40.998755%		
	Amoco Production Company;		29.697500%	29.697500%		
	ORRI;		16.803745%	16.803745%		
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		
TRACT 14						
SF 077950	T-27-N, R-10-W	400.00				
	Sec. 35: NW/4,					
	N/2 SW/4					
	Sec. 33: NE/4					
	Royalty;		12.500000%	12.500000%		<u>.928963%</u>
	Working Interest:					
	El Paso Natural Gas Co.;		22.456014%	22.456014%		
	El Paso Natural Gas Co. (Gas					
	only) and Atlantic Richfield					
	Co. (oil only);		21.375000%	21.375000%		
	Tenneco Oil Company;		10.812500%	10.812500%		
	Continental Oil Company;		10.812500%	10.812500%		
	Amoco Production Company;		14.348750%	14.348750%		
	ORRI;		7.695236%	7.695236%		
	TOTAL		<u>100.000000%</u>	<u>100.000000%</u>		

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAT
			OWNERSHIP	PERCENTAGE		
<u>TRACT 15</u>						
SF 081087	T-27-N, R-10-W Sec. 34: A11	640.00	Royalty; Working Interest: W. R. Weaver; ORRI;	12.500000% 85.000000% 2.500000% TOTAL 100.000000%	.000000% .000000% .000000% TOTAL .000000%	<u>0.000000%</u>
<u>TRACT 16</u>						
SF 079917	T-27-N, R-10-W Sec. 35: S/2 S/2, N/2 SE/4	240.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2) Amoco Production Company; ORRI;	12.500000% 47.583549% 29.697500% 10.218951% TOTAL 100.000000%	12.500000% 47.583549% 29.697500% 10.218951% TOTAL 100.000000%	<u>.557378%</u>
<u>TRACT 17</u>						
SF 080017	T-27-N, R-10-W Sec. 35: NE/4	160.00	Royalty; Working Interest: Amoco Production Company; ORRI;	12.500000% 82.500000% 5.000000% TOTAL 100.000000%	12.500000% 82.500000% 5.000000% TOTAL 100.000000%	<u>.371585%</u>
<u>TRACT 18</u>						
NM 03017	T-26-N, R-9-W Sec. 6: A11 Sec. 7: A11 Sec. 18: NE/4, W/2 T-27-N, R-10-W Sec. 36: Lots 1,2,3,4, W/2 E/2, W/2 (A11)	2406.72	Royalty; Working Interest: El Paso Natural Gas Co.; Amoco Production Company; ORRI;	12.500000% 47.208902% 27.197500% 13.093598% TOTAL 100.000000%	12.500000% 47.208902% 27.197500% 13.093598% TOTAL 100.000000%	<u>5.589387%</u>

Effective July 1, 1973

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAL
			OWNERSHIP			
TRACT 19						
NM 01051	T-27-N, R-9-W	564.80	Royalty;	12.500000%	12.500000%	1.311696%
	Sec. 31: Lots 1,2,3,4, E/2 W/2, NE/4, N/2 SE/4		Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	44.499861% 29.697500% 13.302639% 100.000000%		
	TOTAL					
TRACT 20						
SF 078007	T-26-N, R-9-W	120.00	Royalty;	12.500000%	12.500000%	.278689%
	Sec. 18: NW/4 SE/4 T-27-N, R-9-W		Working Interest: El Paso Natural Gas Co.; Amoco Production Company; ORRI;	47.208902% 27.197500% 13.093598% 100.000000%		
	Sec. 31: S/2 SE/4		TOTAL			
TRACT 21-A						
Sr 77936-A	T-26-N, R-10-W	319.87	Royalty;	12.500000%	12.500000%	.742869%
	Sec. 1: SE/4, Lots 1,2, S/2 NE/4 (E/2)		Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	47.583549% 29.697500% 10.218951% 100.000000%		
	TOTAL					

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP	
			OWNERSHIP	PERCENTAGE			
SF 078014	T-26-N, R-10-W Sec. 1: SW/4 Sec. 13: SE/4	320.00	TRACT 22			.743171	
			Royalty;	12.500000%	12.500000%		
			Working Interest:				
			El Paso Natural Gas Co. et al				
			(1)(2);	47.583549%	47.583549%		
			Amoco Production Company;	29.697500%	29.697500%		
			ORRI;	10.218951%	10.218951%		
			TOTAL	100.000000%	100.000000%		
			TRACT 23				
			Royalty;	12.500000%	12.500000%		
SF 077961	T-26-N, R-10-W Sec. 1: Lot 4, S/2 NW/4	119.77	Working Interest:			.278155	
			El Paso Natural Gas Co. et al				
			(1)(2);	47.583549%	47.583549%		
			Amoco Production Company;	29.697500%	29.697500%		
			ORRI;	10.218951%	10.218951%		
			TOTAL	100.000000%	100.000000%		
			TRACT 24				
			Royalty;	12.500000%	12.500000%		.185793
			Working Interest:				
			El Paso Natural Gas Co. et al				
SF 078001	T-26-N, R-10-W Sec. 29: N/2 NE/4	80.00	(1)(2);	73.018397%	73.018397%		
			ORRI;	14.481603%	14.481603%		
			TOTAL	100.000000%	100.000000%		

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIPA
			OWNERSHIP	PERCENTAGE		
TRACT 24-A						
SF 078001-A	T-26-N, R-10-W Sec. 8: S/2 N/2	160.00.	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000% <		

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP.
			OWNERSHIP	PERCENTAGE		
TRACT 25-A						
SF 078267-A	T-26-N, R-10-W Sec. 3: SE/4, Lots 1,2, S/2 NE/4	319.11	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	.741104%
TRACT 26						
NM 01366	T-26-N, R-10-W Sec. 4: S/2	320.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1); Amoco Production Company; ORRI;	12.500000% 40.998755% 29.697500% 16.803745% 100.000000%	12.500000% 40.998755% 29.697500% 16.803745% 100.000000%	.743171%
TRACT 27						
Nr 0396	T-26-N, R-10-W Sec. 4: Lots 1,2, 3,4, S/2 N/2	319.96	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000% 44.601656% 29.697500% 13.200844% 100.000000%	12.500000% 44.601656% 29.697500% 13.200844% 100.000000%	.743078%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAT
			OWNERSHIP	PERCENTAGE		
TRACT 29						
SF 077934	T-26-N, R-10-W Sec. 6: E/2 SW/4	80.00	Royalty;	12.500000%	12.500000%	<u>.185793%</u>
			Working Interest:			
			El Paso Natural Gas Co. et al (1) (2)	47.583549%	47.583549%	
			Amoco Production Co.;	29.697500%	29.697500%	
			ORRI;	10.218951%	10.218951%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
TRACT 30						
SF 080425	T-26-N, R-10-W Sec. 19: Lot 4, SE/4 SW/4, S/2 SE/4	159.59	Royalty;	12.500000%	12.500000%	<u>.370633%</u>
			Working Interest:			
			El Paso Natural Gas Co. et al (1)(2);	71.016444%	71.016444%	
			ORRI;	16.483556%	16.483556%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
TRACT 30A						
080425-A	T-26-N, R-10-W Sec. 6: Lots 3,4,5,6, 7, SE/4 NW/4	237.11	Royalty;	12.500000%	12.500000%	<u>.550666%</u>
			Working Interest:			
			Ola E. Caljahan			
			El Paso Natural Gas Co. et al (1)	13.125000%	13.125000%	
			Amoco Production Co.;	35.373755%	35.373755%	
			ORRI;	29.697500%	29.697500%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	

Effective July 1, 1978

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC
			OWNERSHIP	PERCENTAGE		

SF 077942 T-26-N, R-10-W 638.08 TRACT 31, 31A

Sec. 7: Lots 1,2,3,4, E/2 W/2, E/2 (A11)
 Royalty; 12.500000% 12.500000% 1.481882
 Working Interest:
 El Paso Natural Gas Co. et al (1) (2)
 Amoco Production Co.; 47.583549% 47.583549%
 ORRI; 29.697500% 29.697500%
 10.218951% 10.218951%
 TOTAL 100.000000% 100.000000%

TRACT 32

NM 0433 T-26-N, R-10-W 480.00 TRACT 32

Sec. 8: N/2 N/2 12.500000% 12.500000% 1.114756%
 Sec. 9: W/2
 Royalty;
 Working Interest:
 El Paso Natural Gas Co. et al (1);
 Amoco Production Company; 40.998755% 40.998755%
 ORRI; 29.697500% 29.697500%
 16.803745% 16.803745%
 TOTAL 100.000000% 100.000000%

TRACT 32-A

0433-A T-26-N, R-10-W 160.00 TRACT 32-A

Sec. 21: NW/4
 Royalty;
 Working Interest:
 El Paso Natural Gas Co. et al (1);
 Amoco Production Company; 40.998755% 40.998755%
 ORRI; 29.697500% 29.697500%
 16.803745% 16.803745%
 TOTAL 100.000000% 100.000000%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAT
			OWNERSHIP	PERCENTAGE		
TRACT 33						
SF 080374	T-26-N, R-10-W Sec. 8: S/2	320.00	Royalty;	12.500000%	12.500000%	.743171%
			Working Interest;			
			El Paso Natural Gas Co. et al			
			(1)(2);	47.583549%	47.583549%	
			Amoco Production Company;	29.697500%	29.697500%	
			ORRI;	10.218951%	10.218951%	
			TOTAL	100.000000%	100.000000%	
TRACT 34						
SF 080456	T-26-N, R-10-W Sec. 9: SE/4	160.00	Royalty;	12.500000%	12.500000%	.371585%
			Working Interest;			
			El Paso Natural Gas Co. et al			
			(1);	40.998755%	40.998755%	
			Amoco Production Company;	29.697500%	29.697500%	
			ORRI;	16.803745%	16.803745%	
			TOTAL	100.000000%	100.000000%	
TRACT 35						
S. J80120	T-26-N, R-10-W Sec. 29: S/2 SE/4	80.00	Royalty;	12.500000%	12.500000%	.185793%
			Working Interest;			
			El Paso Natural Gas Co. et al			
			(1)(2);	70.038142%	70.038142%	
			ORRI;	17.461858%	17.461858%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPATION
			OWNERSHIP			
SF 080120-A	T-26-N, R-10-W Sec. 9: NE/4	160.00	TRACT 35-A			
			Royalty;	12.500000%	12.500000%	.371585%
			Working Interest;			
			El Paso Natural Gas Co. et al			
			(1)(2);	44.601656%	44.601656%	
	Amoco Production Co.;	29.697500%	29.697500%			
	ORRI;	13.200844%	13.200844%			
	TOTAL	100.000000%	100.000000%			
SF 079658	T-26-N, R-10-W Sec. 10: W/2	320.00	TRACT 36			
			Royalty;	12.500000%	12.500000%	.743171%
			Working Interest;			
			El Paso Natural Gas Co. et al			
			(1)(2);	47.583549%	47.583549%	
	Amoco Production Company;	29.697500%	29.697500%			
	ORRI;	10.218951%	10.218951%			
	TOTAL	100.000000%	100.000000%			
S. 079658-A	T-26-N, R-10-W Sec. 10: E/2	320.00	TRACT 36-A			
			Royalty;	12.500000%	12.500000%	.743171%
			Working Interest;			
			El Paso Natural Gas Co. et al			
			(1)(2);	47.583549%	47.583549%	
	Amoco Production Company;	29.697500%	29.697500%			
	ORRI;	10.218951%	10.218951%			
	TOTAL	100.000000%	100.000000%			

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPA
			OWNERSHIP	PERCENTAGE		
NM 01365	T-26-N, R-10-W	640.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1); Amoco Production Company; ORRI;			
	Sec. 11: SE/4			12.500000%	12.500000%	<u>1.486342%</u>
	Sec. 14: NE/4			40.998755%	40.998755%	
	Sec. 15: N/2			29.697500%	29.697500%	
				16.803745%	16.803745%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 37</u>			
SF 080646	T-26-N, R-10-W	160.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;			
	Sec. 11: NW/4			12.500000%	12.500000%	<u>.371585%</u>
				47.583549%	47.583549%	
				29.697500%	29.697500%	
				10.218951%	10.218951%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 38</u>			
SF 080795	T-26-N, R-10-W	160.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;			
	Sec. 11: NE/4			12.500000%	12.500000%	<u>.371585%</u>
				47.583549%	47.583549%	
				29.697500%	29.697500%	
				10.218951%	10.218951%	
			TOTAL	<u>100.000000%</u>	<u>100.000000%</u>	
			<u>TRACT 39</u>			

SCHEDULE XLX

TRIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATI
			OWNERSHIP	PERCENTAGE		
TRACT 40						
SF 080433	T-26-N, R-10-W Sec. 11: SW/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co. et al. (1)(2); Amoco Production Company; ORRI;	12.500000% 47.583549% 29.697500% 10.218951% TOTAL 100.000000%	12.500000% 47.583549% 29.697500% 10.218951% TOTAL 100.000000%	.371585%
TRACT 41						
SF 081024	T-26-N, R-10-W Sec. 12: NE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1); Amoco Production Company; ORRI;	12.500000% 40.998755% 29.697500% 16.803745% TOTAL 100.000000%	12.500000% 40.998755% 29.697500% 16.803745% TOTAL 100.000000%	.371585%
TRACT 42						
SF 077935	T-26-N, R-10-W Sec. 12: NW/4 NW/4, SE/4 Sec. 13: NE/4, SW/4	520.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000% 47.583549% 29.697500% 10.218951% TOTAL 100.000000%	12.500000% 47.583549% 29.697500% 10.218951% TOTAL 100.000000%	1.207652%

Effective July 1, 1978

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 43						
SF 077806	T-26-N, R-10-W	640.00				1.486342%
	Sec. 12: SW/4		Royalty;	12.500000%	12.500000%	
	Sec. 14: NW/4		Working Interest:			
	Sec. 15: S/2		El Paso Natural Gas Co. et al			
			(1)(2);	47.583549%	47.583549%	
			Amoco Production Company;	29.697500%	29.697500%	
			ORRI;	10.218951%	10.218951%	
			TOTAL	100.000000%	100.000000%	
TRACT 44						
NM 015151	T-26-N, R-10-W	120.00				.278689%
	Sec. 12: E/2 NW/4,		Royalty;	12.500000%	12.500000%	
	SW/4 NW/4		Working Interest:			
			Amoco Production Company;	82.500000%	82.500000%	
			ORRI;	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
TRACT 45						
NM 01368	T-26-N, R-10-W	160.00				.371585%
	Sec. 13: NW/4		Royalty;	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co. et al			
			(1)(2);	47.583549%	47.583549%	
			Amoco Production Company;	29.697500%	29.697500%	
			ORRI;	10.218951%	10.218951%	
			TOTAL	100.000000%	100.000000%	

SCHEDULE XLX

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

SF 079617

T-26-N, R-10-W

160.00

Sec. 14: SW/4

TRACT 46

Royalty;

Working Interest:

El Paso Natural Gas Co. et al

(1);

Amoco Production Company;

ORRI;

12.500000%

12.500000%

.371585%

40.998755%

29.697500%

16.803745%

100.000000%

100.000000%

41.841714%

29.697500%

15.960786%

100.000000%

12.500000%

12.500000%

2.693994%

SF 078020

T-25-N, R-10-W

1039.60

Sec. 1: Lots 1,2,3,4, S/2 N/2, S/2 (A11)

TRACT 47

Royalty;

Working Interest:

El Paso Natural Gas Co.;

ORRI;

12.500000%

12.500000%

2.414376%

76.050000%

11.450000%

100.000000%

100.000000%

76.050000%

11.450000%

100.000000%

12.500000%

12.500000%

.464482%

NM 02874

T-26-N, R-10-W

200.00

Sec. 33: NE/4, NE/4 NW/4

TRACT 48

Royalty;

Working Interest:

El Paso Natural Gas Co.;

ORRI;

12.500000%

12.500000%

.464482%

67.276562%

20.223438%

100.000000%

100.000000%

67.276562%

20.223438%

100.000000%

12.500000%

12.500000%

.464482%

NM 02874-A

T-26-N, R-10-W

1160.00

Sec. 14: SE/4

TRACT 48-A

Royalty;

Working Interest:

El Paso Natural Gas Co.;

Amoco Production Company;

ORRI;

12.500000%

12.500000%

2.693994%

41.841714%

29.697500%

15.960786%

100.000000%

100.000000%

41.841714%

29.697500%

15.960786%

100.000000%

12.500000%

12.500000%

2.693994%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIPA
			OWNERSHIP	PERCENTAGE		
SF 078012	T-26-N, R-10-W Sec. 17: NE/4	160.00	TRACT 49			
	Royalty; Working Interest: El Paso Natural Gas Co. et al. (1)(2); Amoco Production Company; ORRI;					
				12.500000%	12.500000%	.371585%
				47.583549%	47.583549%	
				29.697500%	29.697500%	
				10.218951%	10.218951%	
				100.000000%	100.000000%	
			TRACT 51			
SF 077933	T-26-N, R-10-W Sec. 19: Lots 1,2, E/2 NW/4, NE/4	319.08				
	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); ORRI;					
				12.500000%	12.500000%	.741034%
				73.018397%	73.018397%	
				14.481603%	14.481603%	
				100.000000%	100.000000%	
			TRACT 51-A			
077933-A	T-26-N, R-10-W Sec. 20: SE/4, W/2 NW/4, SE/4 NW/4	280.00				
	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;					
				12.500000%	12.500000%	.650274%
				47.583549%	47.583549%	
				29.697500%	29.697500%	
				10.218951%	10.218951%	
				100.000000%	100.000000%	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
SF 081051	T-26-N, R-10-W Sec. 19: Lot 3, NE/4 SW/4, N/2 SE/4	159.57	TRACT 52			<u>.370587%</u>
			Royalty:	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co. et al (1) (2);	73.018397% 14.481603%	73.018397% 14.481603%	
			ORRI;	100.000000%	100.000000%	
			TOTAL			
SF 080893	T-26-N, R-10-W Sec. 20: SW/4	160.00	TRACT 53			<u>.371585%</u>
			Royalty:	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co. et al (1) (2);	47.583549% 29.697500%	47.583549% 29.697500%	
			Amoco Production Co.; ORRI;	10.218951% 100.000000%	10.218951% 100.000000%	
			TOTAL			
SF 081363	T-26-N, R-10-W Sec. 21: NW/4 NE/4 SW/4 SE/4 Sec. 22: SE/4 NE/4 Sec. 23: NW/4	280.00	TRACT 54			<u>.650274%</u>
			Royalty:	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co. et al (1);	40.998755% 29.697500%	40.998755% 29.697500%	
			Amoco Production Co.; ORRI;	16.803745% 100.000000%	16.803745% 100.000000%	
			TOTAL			
SF 077938	T-26-N, R-10-W Sec. 21: SW/4 Sec. 23: S/2 NE/4, SW/4, N/2 SE/4 Sec. 24: NW/4	640.00	TRACT 55			<u>1.486342%</u>
			Royalty:	12.500000%	12.500000%	
			Working Interest:			
			El Paso Natural Gas Co. et al (1) (2);	47.583549% 29.697500%	47.583549% 29.697500%	
			Amoco Production Co.; ORRI;	10.218951% 100.000000%	10.218951% 100.000000%	
			TOTAL			
Effective July 1, 1978						

Effective July 1, 1978

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 56						
SF 078429	T-26-N, R-10-W Sec. 21: NE/4 NE/4 Sec. 22: N/2 NW/4, 1 SE/4 NW/4	160.00	Royalty; Working Interest: Billie D. Hood; El Paso Natural Gas Co. et al (1); Amoco Production Company; ORRI;	12.500000% 13.125000% 35.373755% 29.697500% 9.303745% 100.000000%	12.500000% 13.125000% 35.373755% 29.697500% 9.303745% 100.000000%	.371585%
TRACT 57						
SF 077812	T-26-N, R-10-W Sec. 22: NE/4 SW/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	.092896%
TRACT 58						
SF 077981	T-26-N, R-10-W Sec. 22: N/2 NE/4, SW/4 NE/4	120.00	Royalty; Working Interest: Amoco Production Company; ORRI;	12.500000% 83.500000% 4.000000% 100.000000%	12.500000% 83.500000% 4.000000% 100.000000%	.278689%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 59						
NM 01369	T-26-N, R-10-W 80.00 Sec. 23: N/2 NE/4		Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.185793%
			47.583549% 29.697500% 10.218951% TOTAL		47.583549% 29.697500% 10.218951% TOTAL	
			TRACT 60			
NM 02138	T-26-N, R-10-W 80.00 Sec. 23: S/2 SE/4		Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.185793%
			47.583549% 29.697500% 10.218951% TOTAL		47.583549% 29.697500% 10.218951% TOTAL	
			TRACT 61			
NM 01367	T-26-N, R-10-W 120.00 Sec. 24: E/2 NE/4; NW/4 NE/4		Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.278689%
			47.583549% 29.697500% 10.218951% TOTAL		47.583549% 29.697500% 10.218951% TOTAL	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIPATION
			OWNERSHIP	PERCENTAGE		
TRACT 62						
SF 076578	T-26-N, R-10-W Sec. 24: SW/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.371585%
TRACT 63						
SF 079942	T-26-N, R-10-W Sec. 24: SE/4, SW/4 NE/4	200.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.464482%
TRACT 64						
SF 076605	T-26-N, R-10-W Sec. 25: SE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.371585%
TRACT 65						

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAT
			OWNERSHIP	PERCENTAGE		

SF 080894

T-26-N, R-10-W 80.00

Sec. 25: S/2 NE/4

TRACT 65

Royalty;	12.500000%	12.500000%	.185793%
Working Interest:			
Ola E. Callahan;	13.125000%	13.125000%	
El Paso Natural Gas Co. et al			
(1);	35.373755%	35.373755%	
Amoco Production Company.	29.697500%	29.697500%	
ORRI;	9.303745%	9.303745%	
TOTAL	100.000000%	100.000000%	

TRACT 66

SF 077949

T-26-N, R-10-W 160.00

Sec. 25: SW/4

TRACT 66

Royalty;	12.500000%	12.500000%	.371585%
Working Interest:			
El Paso Natural Gas Co. et al			
(1)(2);	47.583549%	47.583549%	
Amoco Production Company;	29.697500%	29.697500%	
ORRI;	10.218951%	10.218951%	
TOTAL	100.000000%	100.000000%	

TRACT 67

NM 02515

T-26-N, R-10-W 960.00

Sec. 27: W/2

Sec. 28: A11

TRACT 67

Royalty;	12.500000%	12.500000%	2.229512%
Working Interest:			
El Paso Natural Gas Co. et al			
(1)(2);	47.583549%	47.583549%	
Amoco Production Company;	29.697500%	29.697500%	
ORRI;	10.218951%	10.218951%	
TOTAL	100.000000%	100.000000%	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 67-A						
NM 02515	T-26-N, R-10-W Sec. 27: E/2	320.00	Royalty; Working Interest: Union Texas Petroleum, a Division of Allied Chemical Corporation; Texas Pacific Oil Co.; ORRI;	12.500000%	12.500000%	.743171%
			TOTAL	69.589043% 13.917809% 3.993148% 100.000000%	69.589043% 13.917809% 3.993148% 100.000000%	
TRACT 68						
SF 078002	T-26-N, R-10-W Sec. 29: S/2 NE/4, SW/4	240.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); ORRI;	12.500000%	12.500000%	.557378%
			TOTAL	73.018397% 14.481603% 100.000000%	73.018397% 14.481603% 100.000000%	
TRACT 68-A						
SF 078002-A	T-26-N, R-10-W Sec. 34: N/2 NE/4 Sec. 35: E/2	400.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.928963%
			TOTAL	47.583549% 29.697500% 10.218951% 100.000000%	47.583549% 29.697500% 10.218951% 100.000000%	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AI PARTICIPA
			OWNERSHIP	PERCENTAGE		

TRACT 69

SF 078557 T-26-N, R-10-W 160.00 .371585%
Sec. 29: NW/4

Royalty;
Working Interest:
El Paso Natural Gas Co. et al
(1)(2);
ORRI;
12.500000% 12.500000%
73.018397% 73.018397%
14.481603% 14.481603%
TOTAL 100.000000%

TRACT 70

SF 080636 T-26-N, R-10-W 80.00 .185793%
Sec. 29: N/2 SE/4

Royalty;
Working Interest:
El Paso Natural Gas Co. et al
(1)(2);
ORRI;
12.500000% 12.500000%
73.018397% 73.018397%
14.481603% 14.481603%
TOTAL 100.000000%

TRACT 71

SF 078372 T-26-N, R-10-N 160.00 .371585%
Sec. 31: NE/4

Royalty;
Working Interest:
El Paso Natural Gas Co. et al
(1)(2);
ORRI;
12.500000% 12.500000%
70.038142% 70.038142%
17.461858% 17.461858%
TOTAL 100.000000%

TRACT 71-A

SF 078372 T-26-N, R-10-N 597.68 1.388057%
Sec. 30: W/2 NE/4,

E/2 SE/4
Sec. 31: Lots 1,2,3,4,
E/2 W/2, W/2
SE/4, SE/4 SE/4
Royalty;
Working Interest:
El Paso Natural Gas Co. et al
(1)(2);
ORRI;
12.500000% 12.500000%
70.958675% 70.958675%
16.541325% 16.541325%
TOTAL 100.000000%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 72						
NM 02890	T-26-N, R-10-W Sec. 30: E/2 NE/4, W/2 SE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co.; ORRI;	12.500000% 67.276562% 20.223438% 100.000000%	12.500000% 67.276562% 20.223438% 100.000000%	.371585%
TRACT 74						
SF 079203	T-26-N, R-10-W Sec. 33: W/2 NW/4, SE/4 NW/4 Sec. 31: NE/4 SE/4	160.00	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); ORRI;	12.500000% 73.018397% 14.481603% 100.000000%	12.500000% 73.018397% 14.481603% 100.000000%	.371585%
TRACT 75						
SF 078005	T-26-N, R-10-W Sec. 33: S/2	320.00	Royalty; Working Interest; El Paso Natural Gas Co. et al (1) ORRI;	12.500000% 66.433603% 21.066397% 100.000000%	12.500000% 66.433603% 21.066397% 100.000000%	.743171%
TRACT 77						
SF 078000	T-26-N, R-9-W Sec. 9: All	640.00	Royalty; Working Interest; Amoco Production Company; ORRI;	12.500000% 85.000000% 2.500000% 100.000000%	12.500000% 85.000000% 2.500000% 100.000000%	1.486342%

Effective July 1, 1978

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUA PARTICIPATION
			OWNERSHIP	PERCENTAGE		
NM 03154	T-26-N, R-9-W	640.00	TRACT 78			
	Sec. 15: A11					
	Royalty;		12.500000%	.000000%	0.000000%	
	Working Interest: Turner, et al, ORRI;		87.500000% .000000% 100.000000%	.000000% .000000% 000000%		
	TOTAL		100.000000%			
NM 03493	T-26-N, R-9-W	1772.74	TRACT 79			
	Sec. 19: A11					
	Sec. 20: N/2, SW/4					
	Sec. 30: A11					
	Royalty;		12.500000%	12.500000%	4.117026%	
	Working Interest: El Paso Natural Gas Co.;	47.208902%	47.208902%			
	Amoco Production Company;	27.197500%	27.197500%			
	ORRI;	13.093598%	13.093598%			
	TOTAL	100.000000%	100.000000%			
	TRACT 80					
SF 077980	T-26-N, R-9-W	481.82				
	Sec. 5: Lots 1,2, S/2 NE/4					
	Sec. 17: E/2					
	Royalty;		12.500000%	12.500000%	1.118983%	
	Working Interest: El Paso Natural Gas Co.;		47.208902%	47.208902%		
	Amoco Production Company;	27.197500%	27.197500%			
	ORRI;	13.093598%	13.093598%			
	TOTAL	100.000000%	100.000000%			
	TRACT 80-A					
	SF 077980-A	T-26-N, R-9-W	1442.28			
Sec. 5: Lots 3,4, S/2 NW/4, SW/4, SE/4						
Sec. 8: A11						
Sec. 17: W/2						
Royalty;		12.500000%		12.500000%	3.349563%	
	Working Interest: El Paso Natural Gas Co.;	47.208902%	47.208902%			
	Amoco Production Company;	27.197500%	27.197500%			
	ORRI;	13.093598%	13.093598%			
	TOTAL	100.000000%	100.000000%			
	TRACT 80-B					
EFFECTIVE July 1, 1978						

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE	
SF 078000-A	T-26-N, R-9-W Sec. 18: NE/4 SE/4, S/2 SE/4 Sec. 20: SE/4 Sec. 29: A11	920.00			
	Royalty; Working Interest; El Paso Natural Gas Co.; Amoco Production Company; ORRI;				
	TOTAL				
	<u>TRACT 81</u>				
			12.500000%	12.500000%	2.136616%
SF 078060	T-26-N, R-9-W Sec. 21: N/2 Sec. 27: A11	960.00			
	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;				
	TOTAL				
	<u>TRACT 82-A</u>				
			12.500000%	12.500000%	2.229512%
SF 078060-A	T-26-N, R-9-W Sec. 21: S/2 Sec. 28: A11	960.00			
	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;				
	TOTAL				
	<u>TRACT 82-A</u>				
			12.500000%	12.500000%	2.229512%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		
<u>TRACT 83</u>						
NM 012736	T-26-N, R-9-W Sec. 22: N/2 N/2, SW/4 NW/4	200.00				.464482%
	Royalty; Working Interest: El Paso Natural Gas Co.; Barbara Irene McConnell; Barbara Ann M. Bruss; O. J. Lilly; J. W. McConnell, Jr.; ORRI;		12.500000% 48.600000% 16.898018% 5.747624% .409500% .344858% 15.500000%	12.500000% 48.600000% 16.898018% 5.747624% .409500% .344858% 15.500000%		
	TOTAL		100.000000%	100.000000%		
<u>TRACT 84</u>						
SF 080127	T-26-N, R-9-W Sec. 22: SW/4, W/2 SE/4, SE/4 SE/4	280.00				.650274%
	Royalty; Working Interest: El Paso Natural Gas Co.; ORRI;		12.500000% 75.000000% 12.500000%	12.500000% 75.000000% 12.500000%		
	TOTAL		100.000000%	100.000000%		
<u>TRACT 85</u>						
SF 078103	T-26-N, R-9-W Sec. 23: All Sec. 26: N/2, SW/4	1120.00				2.601097%
	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;		12.500000% 34.068457% 42.500000% 10.931543%	12.500000% 34.068457% 42.500000% 10.931543%		
	TOTAL		100.000000%	100.000000%		

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		
<u>TRACT 85-B</u>						
SF 078103-B	T-26-N, R-9-W Sec. 26: SE/4	160.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	<u>.371585%</u>
<u>TRACT 86</u>						
SF 078518-A	T-26-N, R-9-W Sec. 31: Lots 1,2, 3,4, E/2 W/2, E/2 T-25-N, R-9-W Sec. 5: A11	1527.32	Royalty; Working Interest: El Paso Natural Gas Co.; Amoco Production Company; ORRI;	12.500000%	12.500000%	<u>3.547061%</u>
<u>TRACT 88</u>						
SF 078077-A	T-25-N, R-10-W Sec. 12: SW/4; W/2 SE/4	240.00	Royalty; Working Interest: Consolidated Oil & Gas, Inc.; ORRI;	12.500000%	12.500000%	<u>.557378%</u>

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		

SF 079787

T-25-N, R-10-W

320.00

Sec. 13: S/2

TRACT 89

Royalty;

Working Interest;

Consolidated Oil & Gas Inc.;

Alfred Gross, Trustee of the

Jane Gross Trust;

Peter Gross;

ORRI;

12.500000%

48.437500%

14.531250%

14.531250%

10.000000%

100.000000%

12.500000%

48.437500%

14.531250%

14.531250%

10.000000%

100.000000%

.743171%

SF 079787

T-25-N, R-10-W

320.00

Sec. 13: N/2

TRACT 89-A

Royalty;

Working Interest;

Consolidated Oil & Gas, Inc.;

Alfred Gross, Trustee of the

Jane Gross Trust;

Peter Gross;

N-M Oil & Gas Venture;

ORRI;

12.500000%

9.687500%

14.531250%

14.531250%

38.750000%

10.000000%

100.000000%

12.500000%

9.687500%

14.531250%

14.531250%

38.750000%

10.000000%

100.000000%

.743171%

SF 079231

T-25-N, R-9-W

1895.04

Sec. 6: Lots 1,2,3,4,5,6,7,

SE/4 NW/4, S/2 NE/4,

E/2 SW/4, SE/4 (A11)

Sec. 7: Lots 1,2,3,4, E/2

W/2, NE/4, N/2 SE/4,

SW/4 SE/4

Sec. 18: Lots 1,2,3,4, E/2

W/2, E/2

TRACT 92

Royalty;

Working Interest;

Sunland Refining Corp.;

Dr. Sherman Wengerd

ORRI;

12.500000%

81.675000%

.825000%

5.000000%

100.000000%

12.500000%

81.675000%

.825000%

5.000000%

100.000000%

4.401057%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICI
			OWNERSHIP	PERCENTAGE		

E-921-3 T-26-N, R-10-W 40.00
Sec. 32: SW/4 NW/4 TRACT 96
Royalty; 12.500000% 12.500000% .092896%

Working Interest;
El Paso Natural Gas Co.
et al (1)(2);
ORRI;
73.018397% 73.018397%
14.481603% 14.481603%
100.000000% 100.000000%

TOTAL
TRACT 96-A

E-921-6 T-26-N, R-10-W 79.55
Sec. 2: Lot 4, TRACT 97-A
SE/4 NE/4 Royalty; 12.500000% 12.500000% .184748%

Working Interest;
El Paso Natural Gas Co.
et al (1)(2);
Amoco Production Company;
ORRI;
47.583549% 47.583549%
29.697500% 29.697500%
10.218951% 10.218951%
100.000000% 100.000000%

TOTAL
TRACT 97-A

B-8801-28 T-26-N, R-10-W 120.00
Sec. 2: S/2 NW/4, TRACT 97
NW/4 SW/4 Royalty; 12.500000% 12.500000% .278689%

Working Interest;
El Paso Natural Gas Co.
et al (1)(2);
Amoco Production Company;
ORRI;
47.583549% 47.583549%
29.697500% 29.697500%
10.218951% 10.218951%
100.000000% 100.000000%

TRACT 97

B-3801-30 T-26-N, R-10-W 40.00
Sec. 32: NW/4 SE/4 TRACT 97
Royalty; 12.500000% 12.500000% .092896%

Working Interest;
El Paso Natural Gas Co. et
al (1) (2)
ORRI;
73.018397% 73.018397%
14.481603% 14.481603%
100.000000% 100.000000%

TOTAL

Effective July 1, 1978

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPAT
			OWNERSHIP			
			PERCENTAGE			
TRACT 98						
B-10815-7	T-26-N, R-10-W	120.00				
	Sec. 32: SE/4 NE/4, SW/4 SE/4, NE/4 SE/4		Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); ORRI;	12.500000% 73.018397% 14.481603% 100.000000%	12.500000% 73.018397% 14.481603% 100.000000%	.278689%
TOTAL						
TRACT 98-A						
B-10815-8	T-26-N, R-10-W	40.00				
	Sec. 36: SE/4 SW/4		Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	.092896%
TOTAL						
TRACT 98-B						
B-10815-9	T-26-N, R-10-W	160.00				
	Sec. 2: NE/4 SW/4, NW/4 SE/4		Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	12.500000% 47.583549% 29.697500% 10.218951% 100.000000%	.371585%
TOTAL						

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT A PARTICIPA
			OWNERSHIP	PERCENTAGE	
TRACT 99					
B-11356-17	T-26-N, R-10-W Sec. 2: Lots 2,3	79.26			
	Royalty;		12.500000%	12.500000%	.184074%
	Working Interest:				
	El Paso Natural Gas Co. et al				
	(1)(2);		47.583549%	47.583549%	
	Amoco Production Company;		29.697500%	29.697500%	
	ORRI;		10.218951%	10.218951%	
	TOTAL		100.000000%	100.000000%	
	TRACT 100				
B-9320-6	T-26-N, R-10-W Sec. 32: E/2 NW/4	80.00			
	Royalty;		12.500000%	12.500000%	.185793%
	Working Interest:				
	El Paso Natural Gas Co. et al				
	(1)(2);		70.038142%	70.038142%	
	ORRI;		17.461858%	17.461858%	
	TOTAL		100.000000%	100.000000%	
	TRACT 100-A				
B-9320-6	T-26-N, R-10-W Sec. 2: S/2 SW/4, SW/4 SE/4	360.00			
	Royalty;		12.500000%	12.500000%	.336067%
	Working Interest:				
	El Paso Natural Gas Co. et al				
	(1)(2);		44.601656%	44.601656%	
	Amoco Production Company;		29.697500%	29.697500%	
	ORRI;		13.200844%	13.200844%	
	TOTAL		100.000000%	100.000000%	
	Sec. 16: N/2 NW/4, NE/4 SW/4, SW/4 SW/4				
	Sec. 36: SE/4 NE/4, SE/4 NW/4				

Effective July 1, 1978

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT AC PARTICIPA
			OWNERSHIP	PERCENTAGE		
B-9320-6	T-26-N, R-9-W Sec. 32: NE/4 NW/4	40.00	TRACT 100			
	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;			12.500000%	12.500000%	.092896%
				44.499861%	44.499861%	
				29.697500%	29.697500%	
				13.302639%	13.302639%	
	TOTAL			100.000000%	100.000000%	
			TRACT 101			
B-11571-5	T-26-N, R-10-W Sec. 2: Lot 1 (NE/4 NE/4)	39.71				
	Royalty; Working Interest; Amoco Production Company; ORRI;			12.500000%	12.500000%	.092223%
				82.500000%	82.500000%	
				5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
			TRACT 102			
E-4493-1	T-26-N, R-10-W Sec. 2: SW/4 NE/4	40.00				
	Royalty; Working Interest; Amoco Production Company; ORRI;			12.500000%	12.500000%	.092896%
				82.500000%	82.500000%	
				5.000000%	5.000000%	
	TOTAL			100.000000%	100.000000%	
			TRACT 103			
B-10940-5	T-26-N, R-10-W Sec. 16: NW/4 SW/4, NW/4 NE/4	80.00				
	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;			12.500000%	12.500000%	.185793%
				47.583549%	47.583549%	
				29.697500%	29.697500%	
				10.218951%	10.218951%	
	TOTAL			100.000000%	100.000000%	

Effective July 1, 1978

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT A PARTICIP
			OWNERSHIP	PERCENTAGE		
-11512-4	T-26-N, R-10-W 80.00					
	Sec. 32: SW/4 NE/4, SE/4 SE/4					
	Royalty;		12.500000%	12.500000%	.185793%	
	Working Interest:					
	El Paso Natural Gas Co. et al					
	(1)(2);		73.018397%	73.018397%		
	ORRI;		14.481603%	14.481603%		
	TOTAL		100.000000%	100.000000%		
	TRACT 104					
	TRACT 104-A					
-11512-6	T-26-N, R-10-W 240.00					
	Sec. 16: NE/4 NE/4, W/2 SE/4, SE/4 SE/4					
	Royalty;		12.500000%	12.500000%	.557378%	
	Working Interest:					
	El Paso Natural Gas Co. et al					
	(1)(2);		47.583549%	47.583549%		
	Amoco Production Company;		29.697500%	29.697500%		
	ORRI;		10.218951%	10.218951%		
	TOTAL		100.000000%	100.000000%		
	TRACT 104-B					
-11512-5	T-26-N, R-10-W 160.00					
	Sec. 36: N/2 SW/4, SW/4 SW/4, SW/4 SE/4					
	Royalty;		12.500000%	12.500000%	.371585%	
	Working Interest:					
	El Paso Natural Gas Co. et al					
	(1)(2);		47.583549%	47.583549%		
	Amoco Production Company;		29.697500%	29.697500%		
	ORRI;		10.218951%	10.218951%		
	TOTAL		100.000000%	100.000000%		

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC
			OWNERSHIP			
TRACT 105						
-331-19	T-26-N, R-10-W Sec. 16: SE/4 NE/4	40.00	Royalty; Working Interest; Amoco Production Company; ORRI;	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	.092896%
TRACT 106						
-3348	T-26-N, R-10-W Sec. 16: SE/4 NW/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co; ORRI;	12.500000% 87.500000% .000000% 100.000000%	12.500000% 87.500000% .000000% 100.000000%	.092896%
TRACT 107						
-8973-3	T-26-N, R-10-W Sec. 32: NW/4 NW/4, NW/4 SW/4	80.00	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); ORRI;	12.500000% 73.018397% 14.481603% 100.000000%	12.500000% 73.018397% 14.481603% 100.000000%	.185793%
TRACT 108						
-10251-2	T-26-N, R-10-W Sec. 32: NW/4 NE/4	40.00	Royalty; Working Interest; El Paso Natural Gas Co. et al (1)(2); ORRI;	12.500000% 73.018397% 14.481603% 100.000000%	12.500000% 73.018397% 14.481603% 100.000000%	.092896%

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIAL
			OWNERSHIP	PERCENTAGE		
B-10894-7	T-26-N, R-10-W	80.00				
	Sec. 32: NE/4 NE/4, SE/4 SW/4					
	TRACT 109					
	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); ORRI; TOTAL	12.500000% 70.710818% 16.789182% 100.000000%	12.500000% 70.710818% 16.789182% 100.000000%	.185793%		
E-85-37	T-26-N, R-10-W	40.00				
	Sec. 32: NE/4 SW/4					
	TRACT 110					
	Royalty; Working Interest: Amoco Production Co.; ORRI; TOTAL	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	.092896%		
E-85-37	T-26-N, R-10-W	40.00				
	Sec. 32: SW/4 SW/4					
	TRACT 111					
	Royalty; Working Interest: Amoco Production Co.; ORRI; TOTAL	12.500000% 82.500000% 5.000000% 100.000000%	12.500000% 82.500000% 5.000000% 100.000000%	.092896%		
B-9590-5	T-26-N, R-10-W	40.00				
	Sec. 36: NE/4 NE/4					
	TRACT 112					
	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI; TOTAL	12.500000% 44.810518% 29.697500% 12.991982% 100.000000%	12.500000% 44.810518% 29.697500% 12.991982% 100.000000%	.092896%		

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRES PAR
			OWNERSHIP	PERCENTAGE		
TRACT 113						
B-9096-14	T-26-N, R-10-W Sec. 36: NW/4 SE/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.092896
TOTAL				100.000000%	100.000000%	
TRACT 113-A						
B-9096-15	T-26-N, R-10-W Sec. 36: SW/4 NE/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	.185793
TOTAL				100.000000%	100.000000%	
TRACT 114						
B-11419-16	T-26-N, R-10-W Sec. 36: NE/4 SE/4	40.00	Royalty; Working Interest: El Paso Natural Gas Co. et al (1)(2); Amoco Production Company; ORRI;	12.500000%	12.500000%	0.000000%
TOTAL				100.000000%	100.000000%	

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIAL
			OWNERSHIP	PERCENTAGE		
B-8381-26	T-26-N, R-10-W	40.00				
	Sec. 36: SE/4 SE/4					
	TRACT 115					
	Royalty:	12.500000%	12.500000%			
	Working Interest:					
	El Paso Natural Gas Co. et al					
	(1)(2):	44.601656%	44.601656%			
	Amoco Production Company;	29.697500%	29.697500%			
	ORRI:	13.200844%	13.200844%			
	TOTAL	100.000000%	100.000000%			
B-10894-9	T-26-N, R-9-W	200.00				
	Sec. 16: E/2 NW/4, W/2 SW/4, NE/4 SW/4					
	TRACT 116					
	Royalty:	12.500000%	.000000%	0.000000%		
	Working Interest:					
	Rock Island Oil and Refining Co., Inc.;	63.750000%	.000000%			
	American Petrofina Co. of Texas;	21.250000%	.000000%			
	ORRI:	2.500000%	.000000%			
	TOTAL	100.000000%	.000000%			
	TRACT 116-A					
B-10894-9	T-26-N, R-9-W	200.00				
	Sec. 16: NE/4, SE/4 SE/4					
	TRACT 117					
	Royalty:	12.500000%	.000000%	0.000000%		
	Working Interest:					
	El Paso Natural Gas Co.;	18.750000%	.000000%			
	Koch Industries, Inc.	63.750000%	.000000%			
	ORRI:	5.000000%	.000000%			
	TOTAL	100.000000%	.000000%			
	TRACT 117					
B-9320-8	T-26-N, R-9-W	200.00				
	Sec. 16: W/2 NW/4, SE/4 SW/4, W/2 SE/4					
	TRACT 117					
	Royalty:	12.500000%	12.500000%	.464482		
	Working Interest:					
	El Paso Natural Gas Co. et al	68.945911%	68.945911%			
	(1)(2):	18.544089%	18.544089%			
	ORRI:	100.000000%	100.000000%			
	TOTAL	100.000000%	100.000000%			
	TRACT 117					

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC	
			OWNERSHIP	PERCENTAGE			
3-10894-8	T-26-N, R-9-N Sec. 32: SW/4 NW/4	40.00	Royalty;	12.500000%	.000000%	0.000000	
			Working Interest;				
			El Paso Natural Gas Co.;	75.000000%	.000000%		
			ORRI;	12.500000%	.000000%		
			TOTAL	100.000000%	.000000%		
	TRACT 119						
	E-2941-2	T-26-N, R-9-N Sec. 32: N/2 SW/4	80.00	Royalty;	12.500000%	12.500000%	.18579
				Working Interest;			
				El Paso Natural Gas Co.;	47.208902%	47.208902%	
				Amoco Production Company;	29.697500%	29.697500%	
ORRI;				10.593598%	10.593598%		
TRACT 120							
E-2659-5	T-27-N, R-10-M Sec. 32: NW/4	160.00	Royalty;	12.500000%	12.500000%	.371585	
			Working Interest;				
			El Paso Natural Gas Co.;	82.500000%	82.500000%		
			ORRI;	5.000000%	5.000000%		
			TOTAL	100.000000%	100.000000%		
TRACT 122							
E-2659-8	T-27-N, R-10-M Sec. 32: SW/4	160.00	Royalty;	12.500000%	12.500000%	.371585	
			Working Interest;				
			El Paso Natural Gas Co.;	82.500000%	82.500000%		
			ORRI;	5.000000%	5.000000%		
			TOTAL	100.000000%	100.000000%		
TRACT 122-A							

Effective July 1, 1978

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC
			OWNERSHIP	PERCENTAGE		
E-2659-2	T-27-N, R-10-W Sec. 32: E/2	320.00	TRACT 122-B			
			Royalty;	12.500000%	12.500000%	.743171%
			Working Interest;			
			El Paso Natural Gas Co.;	82.500000%	82.500000%	
			ORRI;	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
			TRACT 123			
			Royalty;	12.500000%	12.500000%	.092896%
			Working Interest;			
			El Paso Natural Gas Co.;	47.208902%	29.697500%	
Amoco Production Company;	10.593598%	10.593598%				
ORRI;	100.000000%	100.000000%				
E-2941-2	T-26-N, R-9-W Sec. 32: NW/4 NW/4, SE/4 NW/4, SW/4 SW/4	120.00	TRACT 123-A			
			Royalty;	12.500000%	12.500000%	.278689%
			Working Interest;			
			El Paso Natural Gas Co.;	47.208902%	29.697500%	
			Amoco Production Company;	10.593598%	10.593598%	
			ORRI;	100.000000%	100.000000%	
			TRACT 123-B			
			Royalty;	12.500000%	12.500000%	.464482%
			Working Interest;			
			El Paso Natural Gas Co.;	47.208902%	29.697500%	
Amoco Production Company;	10.593598%	10.593598%				
ORRI;	100.000000%	100.000000%				
E-2942-1	T-26-N, R-10-W Sec. 2: E/2 SE/4 Sec. 16: SW/4 NW/4, SE/4 SW/4, NE/4 SE/4	200.00	TRACT 123-B			
			Royalty;	12.500000%	12.500000%	.464482%
			Working Interest;			
			El Paso Natural Gas Co.;	47.208902%	29.697500%	
			Amoco Production Company;	10.593598%	10.593598%	
			ORRI;	100.000000%	100.000000%	
			TRACT 123			
			Royalty;	12.500000%	12.500000%	.092896%
			Working Interest;			
			El Paso Natural Gas Co.;	47.208902%	29.697500%	
Amoco Production Company;	10.593598%	10.593598%				
ORRI;	100.000000%	100.000000%				

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC
			OWNERSHIP	PERCENTAGE		
TRACT 139						
3-2941-1	T-26-N, R-9-W	40.00				
	Sec. 16: NE/4 SE/4		Royalty;	12.500000%	12.500000%	.092896%
			Working Interest;			
			Amoco Production Company;	87.500000%	87.500000%	
			ORRI;	.000000%	.000000%	
			TOTAL	100.000000%	100.000000%	
TRACT 140						
Sullivan- Frame Fee Lease	T-26-N, R-10-W	320.00				
	Sec. 21: S/2 NE/4, N/2 SE/4, SE/4 SE/4		Royalty;	12.500000%	12.500000%	.743171%
			Working Interest;			
	Sec. 22: SW/4 NW/4, W/2 SW/4		Amoco Production Company;	82.500000%	82.500000%	
			ORRI;	5.000000%	5.000000%	
			TOTAL	100.000000%	100.000000%	
TRACT 141						
C. E. Thompson, et al	T-26-N, R-9-W	40.00				
	Sec. 22: NE/4 SE/4		Royalty;	12.500000%	12.500000%	.092896%
			Working Interest;			
			El Paso Natural Gas Co.;	48.600000%	48.600000%	
			Barbara Irene McConnell;	17.199000%	17.199000%	
			Barbara Ann Bruss;	5.850000%	5.850000%	
			J. W. McConnell, Jr.	.351000%	.351000%	
			ORRI;	15.500000%	15.500000%	
			TOTAL	100.000000%	100.000000%	

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTIC
			OWNERSHIP			
				PERCENTAGE		

Swire
Fee Lease T-26-N, R-9-M 40.00
 Sec. 22: SE/4 NW/4

<u>TRACT 142</u>						
Royalty;	12.500000%		.000000%			<u>.092896%</u>
Working Interest:						
Cenard Oil & Gas Company;	57.023750%		57.023750%			
B & M Construction Company;	11.228963%		11.228963%			
Benson-Montin-Greer Drilling Corp.;	8.317750%		8.317750%			
K. E. McAfee;	4.158875%		4.158875%			
Albert R. Greer;	2.079438%		2.079438%			
Charline Greer;	2.079437%		2.079437%			
La Plata Gathering System, Inc.;	.574525%		.574525%			
O. J. Lilly;	.287262%		.287262%			
ORRI;	1.750000%		1.750000%			
TOTAL	<u>100.000000%</u>				<u>87.500000%</u>	

TRACT 142-A

Swire
Fee Lease T-26-N, R-9-M 80.00
 Sec. 22: S/2 NE/4

Royalty;	12.500000%		.000000%			<u>.185793%</u>
Working Interest:						
Cenard Oil & Gas Company;	57.023750%		57.023750%			
B & M Construction Company;	11.228963%		11.228963%			
Benson-Montin-Greer Drilling Corp.;	8.317750%		8.317750%			
K. E. McAfee;	4.158875%		4.158875%			
Albert R. Greer;	2.079438%		2.079438%			
Charline Greer;	2.079437%		2.079437%			
La Plata Gathering System, Inc.;	.574525%		.574525%			
O. J. Lilly;	.287262%		.287262%			
ORRI;	1.750000%		1.750000%			
TOTAL	<u>100.000000%</u>				<u>87.500000%</u>	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIP
			OWNERSHIP	PERCENTAGE		
TRACT 143						
14-20-603-1326	T-25-N, R-10-W Sec. 2: Lots 1,2, S/2 NE/4	159.79	Royalty; Working Interest; Consolidated Oil & Gas, Inc.;	12.500000% 87.500000% .000000%	.000000% .000000% .000000%	0.000000
			ORRI;	100.000000%	.000000%	
			TOTAL			
			TRACT 143-A			
14-20-603-1327	T-25-N, R-10-W Sec. 2: SE/4	160.00	Royalty; Working Interest; Consolidated Oil & Gas, Inc.;	12.500000% 87.500000% .000000%	.000000% .000000% .000000%	
			ORRI;	100.000000%	.000000%	
			TOTAL			
			TRACT 143-B			
14-20-603-1295	T-25-N, R-10-W Sec. 2: Lots 3,4, S/2 NW/4	160.17	Royalty; Working Interest; Union Texas Petroleum;	12.500000% 87.500000% .000000%	.000000% .000000% .000000%	0.000000
			ORRI;	100.000000%	.000000%	
			TOTAL			
			TRACT 143-C			
14-20-603-1296	T-25-N, R-10-W Sec. 2: SW/4	160.00	Royalty; Working Interest; Union Texas Petroleum;	12.500000% 87.500000% .000000%	.000000% .000000% .000000%	
			ORRI;	100.000000%	.000000%	
			TOTAL			

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICI
			OWNERSHIP	PERCENTAGE		
14-20-603-1328	T-25-N, R-10-W Sec. 11: NE/4	160.00	TRACT 143-D			0.000000
	Royalty;			12.500000%	.000000%	
	Working Interest:					
	Consolidated Oil & Gas, Inc.;			87.500000%	.000000%	
	ORRI;			.000000%	.000000%	
	TOTAL			100.000000%	.000000%	
			TRACT 143-E			
14-20-603-1372	T-25-N, R-10-W Sec. 11: SE/4	160.00				0.000000
	Royalty;			12.500000%	.000000%	
	Working Interest:					
	Consolidated Oil & Gas, Inc.;			87.500000%	.000000%	
	ORRI;			.000000%	.000000%	
	TOTAL			100.000000%	.000000%	
			TRACT 143-F			
14-20-603-1371	T-25-N, R-10-W Sec. 11: NW/4	160.00				0.000000
	Royalty;			12.500000%	.000000%	
	Working Interest:					
	Consolidated Oil & Gas, Inc.;			87.500000%	.000000%	
	ORRI;			.000000%	.000000%	
	TOTAL			100.000000%	.000000%	
			TRACT 143-G			
14-20-603-1297	T-25-N, R-10-W Sec. 11: SW/4	160.00				0.000000
	Royalty;			12.500000%	.000000%	
	Working Interest:					
	Consolidated Oil & Gas, Inc.;			87.500000%	.000000%	
	ORRI;			.000000%	.000000%	
	TOTAL			100.000000%	.000000%	

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 144</u>						
14-20-603-9537	T-25-N, R-9-N	120.00				
	Sec. 7: SE/4 SE/4		Royalty;	16.666666%	16.666666%	
	Sec. 8: W/2 SW/4		Working Interest;			
			El Paso Natural Gas Co.;	41.666667%	41.666667%	
			Amoco Production Company;	41.666667%	41.666667%	
			ORRI;	.000000%	.000000%	
			TOTAL	100.000000%	100.000000%	.278689%



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

April 19, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

195

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

Attention: Mr. D. N. Canfield

Re: 1982 Plan of Development for
Huerfano Unit, San Juan
County, New Mexico

Dear Mr. Canfield:

The New Mexico Oil Conservation Division has this date approved your 1982 Plan of Development for the Huerfano Unit, San Juan County, New Mexico. This approval is subject to like approval by the Minerals Management Service and the Commissioner of Public Lands of the State of New Mexico.

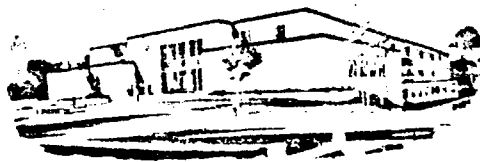
Sincerely,

W. PERRY PEARCE
General Counsel

WPP/dr

cc: Minerals Management Service - Albuquerque
Commissioner of Public Lands - Santa Fe

State of New Mexico



Commissioner of Public Lands

ALEX J. ARMIJO
COMMISSIONER

April 2, 1982

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501
87504-1148

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

195

Re: Huerfano Unit
San Juan County, New Mexico
1982 Drilling Program

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1982 Drilling Program for the Huerfano Unit, San Juan County, New Mexico. Such plan proposes the drilling of no wells during the calendar year 1982, however, operator plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary. This approval is subject to like approval by the New Mexico Oil Conservation Division and the United States Minerals Management Service.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505/827-2748

AJA/RDG/pm
encls.
cc:

~~000~~ Santa Fe, New Mexico
USMMS-Albuquerque, New Mexico

El Paso NATURAL GAS
COMPANY

APR 02 1982
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600
SANTA FE

March 31, 1982

Area Oil and Gas Supervisor
United States Geological Survey
Post Office Box 26124
Albuquerque, New Mexico 87125

195

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

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

Re: Huerfano Unit I Sec. No. 731
San Juan County, New Mexico
1982 Drilling Program

Gentlemen:

By letter dated November 7, 1980, El Paso Natural Gas Company, as Unit Operator of the Huerfano Unit, filed a Drilling Program covering the subject Unit for the calendar year 1981. This Program provided for the drilling of the three (3) Dakota wells (#144E, #213E, #284). Well #284 was not drilled in 1981. The remaining wells have been completed. Well #144E and #213E are within the current Dakota Participating Area.

As of this date, the total number of wells in the Huerfano Unit is as follows:

Pictured Cliffs (Commercial)	50
Pictured Cliffs (Non-commercial)	2
Pictured Cliffs (Plugged and Abandoned)	33
Gallup (Commercial)	17
Gallup (Commercial, Plugged back from Dakota)	1
Gallup (Non-commercial)	6
Dakota (Commercial)	122
Dakota (Being Evaluated)	3
Dakota (Non-commercial)	6
Dakota (Plugged and Abandoned)	7
Dakota (Temporarily Abandoned)	2

March 10, 1982

Page Two

Gallup/Dakota (Commercial)	11
Gallup/Dakota (Commercial in Gallup only)	1
Gallup/Dakota (Commercial in Dakota only)	3
Greenhorn (Non-commercial, Plugged back from Dakota)	1
Gallup/Dakota (Gallup - Non-commercial)	
Plugged back from Pennsylvania	1
	<u>266</u>

Pursuant to Section 9 of the Huerfano Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year 1982.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,


D. N. Canfield ^{RJH}
Attorney-In-Fact ^{Jim}

DNC/RJH/gs
Attachments
Huerfano Unit, 3.0

Approved: _____ DATE: _____
Area Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division

Approved: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey
and the Oil Conservation Division

Approved: _____ DATE: _____
Oil Conservation Division
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

The foregoing approvals for the 1982 Drilling Program for the Huerfano Unit I,
Section No. 731, San Juan County, New Mexico.

HUERFANO UNIT
WORKING INTEREST OWNERS

Amoco Production Company
Attention: Land Department
Denver, Colorado

Amoco Production Company
Attention: Production Department
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling
Corporation

Mr. Robert L. Breedlove

Barbara Ann McConnell Bruss

Mrs. Ola E. Callahan

Camille Chilcote

Children's Hospital

Consolidated Oil & Gas Inc.

Conoco, Inc.

Mr. Thomas G. Cornish

CRA International, Ltd.

Crown Central Petroleum Corporation

Evko Development Company

First Nat'l Bank in
Albuquerque, Trustee
u/w A. T. Hannett

Mr. and Mrs. Forrest Gelbke

Mr. Albert R. Greer

Mrs. Charline K. Greer

Gross Oil Delaware Corporation

Gulf Oil Company

Dr. and Mrs. James J.
Hamilton, Jr.

James J. Hamilton

G. W. Hannett

Mrs. Beulah Irene Hanson

Clarence E. Hinkle &
Frank O. Elliott

Clarence E. Hinkle &
Edna I. Hall

Mrs. Billie D. Hood

Sonia H. Hopkins, Executrix
of the Estate of John
S. Chapman, Decd.

Bernice Jeffs

Maryan Klinger

Corinne Roy Kelly

Mrs. Frances Langmore Kerrigan

La Plata Gathering System, Inc.

Everett S. Layman

Lear Petroleum Exploration, Inc.

Julia B. Lilly, Individually
and as Ancillary Administratrix
of the Estate of O. J. Lilly

Matagorda Oil Company

Mrs. K. E. McAfee

Mr. William H. McCartney

HUERFANO UNIT
WORKING INTEREST OWNERS

PAGE TWO

Barbara Irene McConnell

Mr. J. W. McConnell, Jr.

Mildred Moore

N-M Oil & Gas Venture

Northwest Pipeline Coporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

Pearl O. Pipkin

Roteliz Corporation

Mrs. Laina Mabel Saari

Salvation Army

Gladys Sketch

Mr. J. C. Smith

Southern Union Exploration
Company

Sunland Refining Corporation

Sunshine Royalty Company

Tenneco Oil Company

Sun Texas Company (2)

Union Texas Petroleum
Denver, Colorado

Union Texas Petroleum
Houston, Texas

David William Walters

Dr. Sherman Wengerd

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

December 8, 1980

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

Attention: D. N. Canfield

Re: Case No. 195
Huerfano Unit
1981 Drilling Program

Gentlemen:

We hereby approve the 1981 Drilling Program for the Huerfano Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/EP/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

November 7, 1980

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

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

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

Re: Huerfano Unit, I Sec. No. 731
San Juan County, New Mexico
1981 Drilling Program

Gentlemen:

By letter dated January 7, 1980, El Paso Natural Gas Company, as Unit Operator of the Huerfano Unit, filed a Drilling Program covering the subject Unit for the calendar year 1980. This Program provided for the drilling of the four (4) Dakota wells (#177R, 270, 271, 275). Well #271 will not be drilled in 1980. The remaining wells have been completed. Well #177R and #270 are within the current Dakota Participating Area. Well #275 is outside the current Dakota Participating Area and this well is currently being evaluated to determine whether it is capable of producing unitized substances so as to cause an expansion of the Dakota Participating Area.

As of this date, the total number of wells in the Huerfano Unit is as follows:

Pictured Cliffs, Commercial	50
Pictured Cliffs, Non-commercial	2
Pictured Cliffs, Plugged and Abandoned	33
Gallup, Commercial	17
Gallup, Commercial, Plugged back from Dakota	1
Gallup, Non-commercial	6
Dakota, Commercial	120
Dakota, Being Evaluated	3
Dakota, Non-commercial	6
Dakota, Plugged and Abandoned	7
Dakota, Temporarily Abandoned	2

DEC 01 1980
OIL CONSERVATION DIVISION
SANTA FE

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

Gallup/Dakota, Commercial	11
Gallup/Dakota, Commercial in Gallup only	1
Gallup/Dakota, Commercial in Dakota only	3
Greenhorn, Non-commercial, Plugged back from Dakota	1
Gallup/Dakota, (Gallup - Non-commercial)	
Plugged back from Pennsylvania	1
	<u>264</u>

Pursuant to Section 9 of the Huerfano Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1981.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#144E	E/2 Section 31-27N-9W	Dakota Infill
#213E	E/2 Section 36-27N-10W	Dakota Infill
#284	E/2 Section 11-25N-9W	Dakota

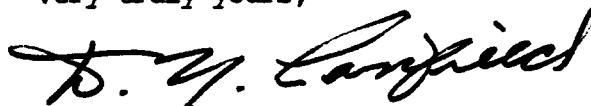
All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Copies of this letter are being sent to the working interest owners as shown below.

Very truly yours,



D. N. Canfield *gc*
Attorney-In-Fact

DNC/JL/ee
Attachments
Huerfano Unit 3.0

Approved: _____
Regional Oil & Gas Supervisor
United States Geological Survey
Subject to like approval by the
Commissioner of Public Lands and
the Oil Conservation Division

DATE: _____

Approved: _____
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey
and the Oil Conservation Division

DATE: _____

Approved:  _____
Oil Conservation Division
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

DATE: 12/8/80

The foregoing approvals are for the 1981 Drilling Program for the Huerfano Unit, I Sec. No. 731, San Juan County, New Mexico.

HUERFANO UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling Corporation

Mr. Robert L. Breedlove

Barbara Ann McConnell Bruss

Mrs. Ola E. Callahan

Camille Chilcote

Children's Hospital

Consolidated Oil & Gas Inc..

Conoco, Inc.

Mr. Thomas G. Cornish

CRA International, Ltd.

Crown Central Petroleum Corporation

Evko Development Company

First Nat'l Bank in Albuquerque, Trustee
u/w A. T. Hannett

Mr. and Mrs. Forrest Gelbke

Mr. Albert R. Greer

Mrs. Charline K. Greer

Gross Oil Delaware Corporation

Gulf Oil Company

Dr. and Mrs. James J. Hamilton, Jr.

HUERFANO UNIT
WORKING INTEREST OWNERS

PAGE TWO

James J. Hamilton

G. W. Hannett

Mrs. Beulah Irene Hanson

Clarence E. Hinkle & Frank O. Elliott

Clarence E. Hinkle & Edna I. Hall

Mrs. Billie D. Hood

Sonia H. Hopkins, Executrix of the
Estate of John S. Chapman, Decd.

Bernice Jeffs

Maryan Klinger

Corinne Roy Kelly

Mrs. Frances Langmore Kerrigan

La Plata Gathering System, Inc.

Everett S. Layman

Lear Petroleum Exploration, Inc.

Julia B. Lilly, Individually and as Ancillary
Adminstratrix of the Estate of O. J. Lilly

Matagorda Oil Company

Mrs. K. E. McAfee

Mr. William H. McCartney

Barbara Irene McConnell

Mr. J. W. McConnell, Jr.

Mildred Moore

N-M Oil & Gas Venture

Northwest Pipeline Coporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

HUERFANO UNIT
WORKING INTEREST OWNERS

PAGE THREE

Pearl O. Pipkin

Roteliz Corporation

Mrs. Laina Mabel Saare

Salvation Army

Gladys Sketch

Mr. J. C. Smith

Sunland Refining Corporation

Sunshine Royalty Company

Tenneco Oil Company

Texas Pacific Oil Company, Inc. (2)

Union Texas Petroleum
Denver, Colorado

Union Texas Petroleum
Houston, Texas

David William Walters

Dr. Sherman Wengerd



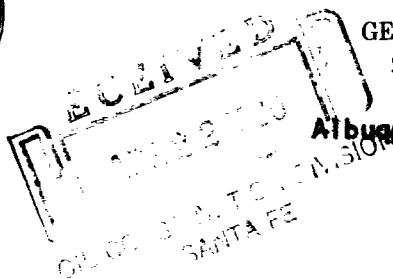
United States Department of the Interior

GEOLOGICAL SURVEY

South Central Region

P. O. Box 26124

Albuquerque, New Mexico 87125



APR 18 1980

195

El Paso Natural Gas Company
Attention: D. N. Canfield
P. O. Box 1492
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1980 plan of development for the Huerfano unit area, San Juan County, New Mexico, are enclosed. Such plan, proposing the drilling of four Dakota wells and any other wells necessary to prevent drainage, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JACK WILLOCK

Jack Willock
Acting Deputy Conservation Manager
Oil and Gas

Enclosures 3

cc:
NMOC, Santa Fe
Comm. Public Lands, Santa Fe



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

State of New Mexico



Commissioner of Public Lands

December 2, 1980

ALEX J. ARMIJO
COMMISSIONER

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

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

Re: Huerfano Unit
San Juan County, New Mexico
1981 Drilling Program

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1981 Drilling Program for the Huerfano Unit, San Juan County, New Mexico. Such program proposes the drilling of wells No. 144E, 213E and 284. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
FLOYD O. PRANDO, Assistant Director
Oil and Gas Division
AC 505-827-2748

AJA/FOP/s
encls.

cc: OCD-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

195

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

February 20, 1980

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

Attention: D. N. Canfield

Re: Case No. 195
Huerfano Unit
1980 Drilling Program

Gentlemen:

We hereby approve the 1980 Drilling Program for the Huerfano Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Drilling Program is returned herewith.

Yours very truly,

JOE D. RAMEY
Director

JDR/KP/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

January 7, 1980

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

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

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

195 OIL CONSERVATION DIVISION
SANTA FE
OK for approval
eff 2/19/80

Re: Huerfano Unit, I Sec. No. 731
San Juan County, New Mexico
1980 Drilling Program

Gentlemen:

By letter dated December 16, 1978, El Paso Natural Gas Company, as Unit Operator of the Huerfano Unit, filed a Drilling Program covering the subject Unit for the calendar year 1979. This Program provided for the drilling of the Huerfano Unit Com #91 and #274 Wells. Both wells have been drilled, logged and are scheduled for completion in the near future. The Com #91 well is within the current Dakota Participating Area. Well #274 is outside the current Dakota Participating Area. We will be waiting, therefore, for a determination as to whether the well will create an expansion of the Participating Area.

As of this date, the total number of wells in the Huerfano Unit is as follows:

Pictured Cliffs, Commercial	50
Pictured Cliffs, Non-commercial	2
Pictured Cliffs, Plugged and Abandoned	33
Gallup, Commercial	17
Gallup, Commercial, Plugged back from Dakota	1
Gallup, Non-commercial	6
Dakota, Commercial	118
Dakota, Non-commercial	6
Dakota, Plugged and Abandoned	7
Dakota, Temporarily Abandoned	2
Gallup/Dakota, Commercial	11
Gallup/Dakota, Commercial in Gallup only	1
Gallup/Dakota, Commercial in Dakota only	3
Greenhorn, Non-commercial, Plugged back from Dakota	1
Gallup/Dakota, (Gallup - Non-commercial) Plugged back from Pennsylvania	1
Pending Expansion Status (#274)	1
	<u>260</u>

Pursuant to Section 9 of the Huerfano Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of the following wells during the calendar year 1980.

<u>Well</u>	<u>Drilling Block</u>	<u>Formation</u>
#270	W/2 Sec. 7, T-26-N, R-10-W	Dakota
#271	W/2 Sec. 18, T-26-N, R-10-W	Dakota
#275	E/2 Sec. 36, T-27-N, R-11-W	Dakota
#177R	E/2 Sec. 22, T-26-N, R-10-W	Dakota Replacement

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

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

Very truly yours,



D. N. Canfield
Attorney-in-Fact *DCM*

DNC/DCH/sfg
Attachments
Huerfano Unit 3.0

HUERFANO UNIT
WORKING INTEREST OWNERS

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling Corporation

Mr. Robert L. Breedlove

Barbara Ann McConnell Bruss

Mrs. Ola E. Callahan

Camille Chilcote

Children's Hospital

Consolidated Oil & Gas Inc.

Conoco, Inc.

Mr. Thomas G. Cornish

CRA International, Ltd.

Crown Central Petroleum Corporation

Evko Development Company

First Nat'l Bank in Albuquerque, Trustee
u/w A. T. Hannett

Mr. and Mrs. Forrest Gelbke

Mr. Albert R. Greer

Mrs. Charline K. Greer

Gross Oil Delaware Corporation

Gulf Oil Company

Dr. and Mrs. James J. Hamilton, Jr.

James J. Hamilton

G. W. Hannett

Mrs. Beulah Irene Hanson

Clarence E. Hinkle & Frank O. Elliott

Clarence E. Hinkle & Edna I. Hall

Mrs. Billie D. Hood

Sonia H. Hopkins, Executrix of the
Estate of John S. Chapman, Decd.

Bernice Jeffs

Elma R. Jones

Corinne Roy Kelly

Mrs. Frances Langmore Kerrigan

La Plata Gathering System, Inc.

Everett S. Layman

Lear Petroleum Exploration, Inc.

Julia B. Lilly, Individually and as Ancillary
Adminstratrix of the Estate of O. J. Lilly

Matagorda Oil Company

Mrs. K. E. McAfee

Mr. William H. McCartney

Barbara Irene McConnell

Mr. J. W. McConnell

Mildred Moore

N-M Oil & Gas Venture

Northwest Pipeline Coporation
Denver, Colorado

Northwest Pipeline Corporation
Farmington, New Mexico

HUERFANO UNIT
WORKING INTEREST OWNERS

PAGE THREE

Pearl O. Pipkin

Roteliz Corporation

Mrs. Laina Mabel Saare

Salvation Army

Gladys Sketch

Mr. J. C. Smith

Sunland Refining Corporation

Sunshine Royalty Company

Tenneco Oil Company

Texas Pacific Oil Company, Inc. (2)

Union Texas Petroleum
Denver, Colorado

Union Texas Petroleum
Houston, Texas

David William Walters

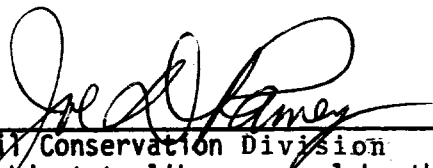
Dr. Sherman Wengerd

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

DATE: _____

APPROVED: _____
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey
and the Oil Conservation Division

DATE: _____

APPROVED:  _____
Oil Conservation Division
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

DATE: 2/21/80

The foregoing approvals are for the 1980 Drilling Program for the
Huerfano Unit, I Sec. No. 731, San Juan County, New Mexico.

State of New Mexico



Commissioner of Public Lands

January 14, 1980

ALEX J. ARMIJO
COMMISSIONER

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

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

195

Re: Huerfano Unit
San Juan County, New Mexico
1980 DRILLING PROGRAM

ATTENTION: Mr. D. N. Canfield

Gentlemen:

The Commissioner of Public Lands has this date approved your 1980 Drilling Program for the Huerfano Unit, San Juan County, New Mexico. Such plan provides for the drilling of wells no. 270, 271, 275 and 177R. Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Please remit a Three (\$3.00) Dollar filing fee.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division
AC 505-827-2748

AJA/RDG/s

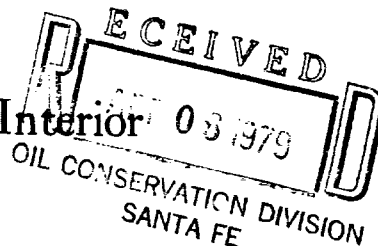
encl.

cc: OCD-Santa Fe, New Mexico
 USGS-Roswell, New Mexico
 USGS-Albuquerque, New Mexico



United States Department of the Interior

GEOLOGICAL SURVEY
P. O. Box 26124
Albuquerque, New Mexico 87125



APR 05 1979

El Paso Natural Gas Company
Attention: Mr. James R. Permenter
P. O. Box 1482
El Paso, Texas 79978

no 195

Gentlemen:

Your application of February 23, 1979, requesting approval of the 48th revision of the Dakota participating area, Hurricane unit agreement, San Juan County, New Mexico, I-Enc. No. 731, was approved on this date by the Oil and Gas Supervisor, effective as of July 1, 1978.

The 48th revision adds 328.08 acres described as the E₁ sec. 31, T. 27 N., R. 10 W., N.M.P.M., which enlarges the total participating area to 82,888.36 acres. This revision is based on the information contributed by unit well No. 202 in the SE₁NE₁ sec. 31, T. 27 N., R. 10 W., N.M.P.M., completed on June 29, 1978, for 646 MCF per day.

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

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Oil and Gas Supervisor, SPM

Enclosures (3)

cc:
BLM, Santa Fe (1tr. only)
Gen. Pub. Lands, Santa Fe (1tr. only)
MWD, Santa Fe (1tr. only)

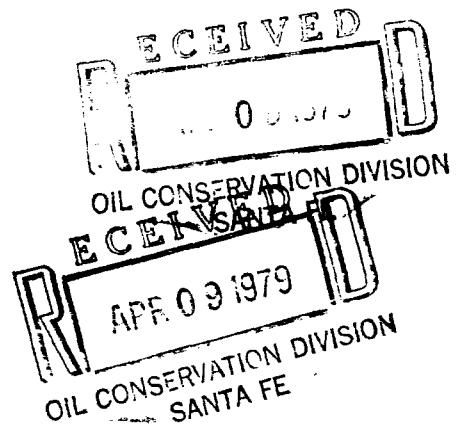
← This Copy for

April 6, 1979

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

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

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



Re: Huerfano Unit
I Sec. No. 731,
San Juan County, New Mexico
Forty-Eighth Revision
of the Dakota Participating
Area Effective July 1, 1978

Gentlemen:

The Forty-Eighth Expansion of the Dakota Participating Area for the referenced unit was approved as follows:

United States Geological Survey	April 5, 1979
Oil Conservation Division	March 5, 1979
Commissioner of Public Lands	March 9, 1979

A copy of this letter is being furnished to all the Huerfano Unit Working Interest Owners.

Very truly yours,

Jeanne L. Morrison
Associate Landman
Land Department
Energy Resource Development

JLM/sfg
Huerfano Unit 4.3, 5.0

cc: Working Interest Owners

HUERFANO UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling Corp.

Robert L. Breedlove

Brookhaven Oil Company

Barbara Ann McConnell Bruss

Mrs. Ola E. Callahan

Sonia H. Hopkins

Camille Chilcote

Children's Hospital

Consolidated Oil & Gas, Inc.

Continental Oil Company

Thomas G. Cornish

CRA International, Ltd.

Crown Central Petroleum Corporation

Evko Development Company

**First National Bank in Albuquerque,
Trustee U/W of A. T. Hannett, Deceased,
and U/A dated July 15, 1969 of
Louise Westfall Hannett**

Mr. and Mrs. Forrest Gelbke

Albert R. Greer

Mrs. Charline K. Greer

HUERFANO UNIT
Working Interest Owners - Page Two

Gross Oil Delaware Corporation

Gulf Oil Company

Dr. & Mrs. James J. Hamilton, Jr.

Larry Gilghrist
Executor of the Estate of
Vincent B. Hamilton, Deceased

Mr. G. W. Hannett

Mrs. Beulah Irene Hanson

Clarence E. Hinkle and
Edna I. Hall, Trustees

Clarence E. Hinkle and
Frank O. Elliott, Trustees

Mrs. Billie D. Hood

Bernice Jeffs

Elma R. Jones

Corinne Roy Kelly, Individually and
as Executrix of the Estate of Frank
S. Kelly, Jr., Deceased

Mrs. Frances Langmore Kerrigan

La Plata Gathering System, Inc.

Everett F. Layman & Arthur J. Lempert

O. J. Lilly

Matagorda Oil Company

K. E. McAfee

William H. McCartney

Barbara Irene McConnell

J. W. McConnell, Jr.

Mildred Moore

HUERFANO UNIT

Working Interest Owners - Page Three

N-M Oil & Gas Venture

Northwest Pipeline Corporation

Pearl O. Pipkin

Laina Mabel Saari

Gladys Sketch

J. C. Smith

Sunland Refining Corporation

Sunshine Royalty Company

Tenneco Oil Company

Texas Pacific Oil Company, Inc. (2)

Estate of Mr. and Mrs. Frank Toombs

**Union Texas Petroleum
Denver, Colorado**

**Union Texas Petroleum
Houston, Texas**

David William Walters

Dr. Sherman Wengerd

**Northwest Pipeline Corporation
Farmington, New Mexico**

El Paso NATURAL GAS
COMPANY

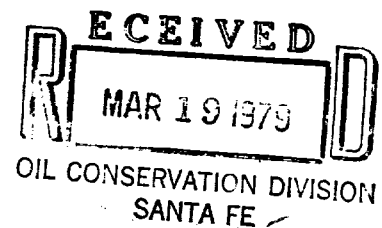
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

March 15, 1979

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

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

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



no. 195

Re: Huerfano Unit
Forty-Eighth Expansion
of the Dakota
Participating Area
Effective July 1, 1978

Gentlemen:

Enclosed herewith is a corrected Page 12 for the referenced expansion of the Huerfano Unit, recently filed with your agency. The previous page did not separate Tracts 31 and 31A, as is set forth in the correction. Please substitute this corrected Page 12 for that previously furnished you.

Thank you for your cooperation in this matter.

Very truly yours,

A handwritten signature in cursive script that reads "Jeanne L. Morrison".

Jeanne L. Morrison
Associate Landman
Land Department
Energy Resource Development

JLM/sfg
Huerfano Unit 4.3, 5.0
cc: Huerfano Unit Working
Interest Owners

SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACT PARTICIPATION
			OWNERSHIP	PERCENTAGE		
077942	TRACT 31					
	T-26-N, R-10-W	160.00	Royalty;	12.500000%	12.500000%	.371585%
	Sec. 7: NE/4		Working Interest:			
			El Paso Natural Gas Co.,	47.583549%	47.583549%	
			et al (1) (2);	29.697500%	29.697500%	
			Amoco Production Co.;	10.218951%	10.218951%	
			ORRI:	100.000000%	100.000000%	
	TOTAL:				100.000000%	
	TRACT 31A					
	077942-A	T-26-N, R-10-W	478.08	SAME AS TRACT 31 ABOVE		
0433	TRACT 32					
	T-26-N, R-10-W	480.00	Royalty;	12.500000%	12.500000%	1.114756%
	Sec. 8: N/2 N/2		Working Interest:			
	Sec. 9: W/2		El Paso Natural Gas Co.,	40.998755%	40.998755%	
			et al (1);	29.697500%	29.697500%	
			Amoco Production Company;	16.803745%	16.803745%	
			ORRI:	100.000000%	100.000000%	
	TOTAL:				100.000000%	
	TRACT 32-A					
	0433-A	T-26-N, R-10-W	160.00	Royalty;	12.500000%	12.500000%
	Sec. 21: NW/4		Working Interest:			
			El Paso Natural Gas Co.	40.998755%	40.998755%	
			et al (1);	29.697500%	29.697500%	
			Amoco Production Company;	16.803745%	16.803745%	
			ORRI:	100.000000%	100.000000%	
TOTAL				100.000000%	100.000000%	

HUERFANO UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling Corp.

Robert L. Breedlove

Brookhaven Oil Company

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Mrs. Ola E. Callahan

Sonia H. Hopkins

Camille Chilcote

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Continental Oil Company

Thomas G. Cornish

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Evko Development Company

First National Bank in Albuquerque,
Trustee U/W of A. T. Hannett, Deceased,
and U/A dated July 15, 1969 of
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Mr. and Mrs. Forrest Gelbke

Albert R. Greer

Mrs. Charline K. Greer

HUERFANO UNIT
Working Interest Owners - Page Two

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Executor of the Estate of
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Clarence E. Hinkle and
Frank O. Elliott, Trustees

Mrs. Billie D. Hood

Bernice Jeffs

Elma R. Jones

Corinne Roy Kelly, Individually and
as Executrix of the Estate of Frank
S. Kelly, Jr., Deceased

Mrs. Frances Langmore Kerrigan

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O. J. Lilly

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Mildred Moore

HUERFANO UNIT
Working Interest Owners - Page Three

N-M Oil & Gas Venture

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Gladys Sketch

J. C. Smith

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Farmington, New Mexico

El Paso NATURAL GAS
COMPANY

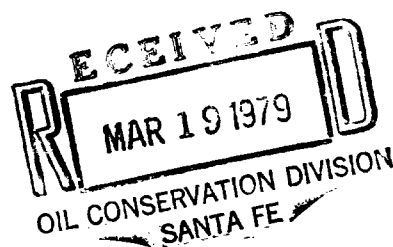
P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

March 15, 1979

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

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

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



Re: Huerfano Unit
Forty-Eighth Expansion
of the Dakota
Participating Area
Effective July 1, 1978

Gentlemen:

Enclosed herewith is a corrected Page 12 for the referenced expansion of the Huerfano Unit, recently filed with your agency. The previous page did not separate Tracts 31 and 31A, as is set forth in the correction. Please substitute this corrected Page 12 for that previously furnished you.

Thank you for your cooperation in this matter.

Very truly yours,

A handwritten signature in cursive script that reads "Jeanne L. Morrison".

Jeanne L. Morrison
Associate Landman
Land Department
Energy Resource Development

JLM/sfg
Huerfano Unit 4.3, 5.0
cc: Huerfano Unit Working
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SCHEDULE XLX

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACT PARTICIPATI
			OWNERSHIP	PERCENTAGE	
077942	T-26-N, R-10-W Sec. 7: NE/4	160.00	TRACT 31		.371585%
			Royalty;		
			Working Interest:		
			El Paso Natural Gas Co.,		
			et al (1) (2);		
			Amoco Production Co.;		
			ORRI:		
			TOTAL:		
			TRACT 31A		
			SAME AS TRACT 31 ABOVE		
077942-A	T-26-N, R-10-W Sec. 7: Lots 1, 2, 3, 4, E/2 W/2, SE/4	478.08	TRACT 32		1.110297%
			Royalty;		
			Working Interest:		
			El Paso Natural Gas Co.,		
			et al (1);		
			Amoco Production Company;		
			ORRI:		
			TOTAL:		
			TRACT 32-A		
			Royalty;		
0433	T-26-N, R-10-W Sec. 8: N/2 N/2 Sec. 9: W/2	480.00	TRACT 32		1.114756%
			Royalty;		
			Working Interest:		
			El Paso Natural Gas Co.,		
			et al (1);		
			Amoco Production Company;		
			ORRI:		
			TOTAL:		
			TRACT 32-A		
			Royalty;		
0433-A	T-26-N, R-10-W Sec. 21: NW/4	160.00	TRACT 32		.371585%
			Royalty;		
			Working Interest:		
			El Paso Natural Gas Co.		
			et al (1);		
			Amoco Production Company;		
			ORRI:		
			TOTAL		
			TRACT 32-A		
			Royalty;		

HUERFANO UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling Corp.

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Brookhaven Oil Company

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HUERFANO UNIT
Working Interest Owners - Page Two

Gross Oil Delaware Corporation

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Mrs. Beulah Irene Hanson

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Frank O. Elliott, Trustees

Mrs. Billie D. Hood

Bernice Jeffs

Elma R. Jones

Corinne Roy Kelly, Individually and
as Executrix of the Estate of Frank
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HUERFANO UNIT
Working Interest Owners - Page Three

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Northwest Pipeline Corporation

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J. C. Smith

Sunland Refining Corporation

Sunshine Royalty Company

Tenneco Oil Company

Texas Pacific Oil Company, Inc. (2)

Estate of Mr. and Mrs. Frank Toombs

**Union Texas Petroleum
Denver, Colorado**

**Union Texas Petroleum
Houston, Texas**

David William Walters

Dr. Sherman Wengerd

**Northwest Pipeline Corporation
Farmington, New Mexico**

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

March 5, 1979

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

Attention: James R. Permenter

Re: Case No. 195
Huerfano Unit
Forty-Eighth Revision of
the Participating Area
for the Dakota Formation

Gentlemen:

We hereby approve the Forty-Eighth Revision of the Participating Area for the Dakota Formation for the Huerfano Unit, San Juan County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Revision is returned herewith.

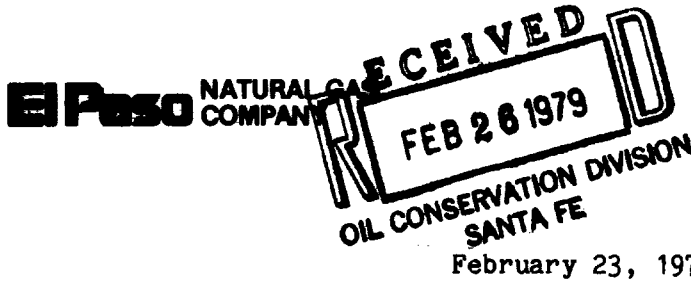
Yours very truly,

JOE D. RANEY
Director

JDR/LT/fd
enc.

cc: U.S.G.S. - Roswell
Commissioner of Public Lands

C
O
P
Y



P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600

February 23, 1979

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

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

~~State of New Mexico~~
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

No. 195
Approve

Re: Huerfano Unit, I Sec. No. 731,
San Juan County, New Mexico
APPLICATION FOR APPROVAL OF THE
FORTY-EIGHTH REVISION OF THE
PARTICIPATING AREA FOR THE
DAKOTA FORMATION,
Effective July 1, 1978

Gentlemen:

El Paso Natural Gas Company, as Unit Operator of the Huerfano Unit Agreement, approved by the Director of the United States Geological Survey on June 6, 1950, by the Commissioner of Public Lands of the State of New Mexico on September 26, 1949, and by the Oil Conservation Commission of the State of New Mexico on September 20, 1949, pursuant to the provisions of Section 10 thereof, respectfully submits for your approval the following lands to constitute the Forty-Eighth Revision of the Participating Area for the Dakota Formation, to wit:

Forty Eighth Revision - Effective July 1, 1978

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 27 North, Range 10 West, N.M.P.M.</u> Section 31: E/2	320.00

This proposed Forty-Eighth Expansion of the Participating Area for the Dakota Formation is predicated upon the knowledge and information first obtained upon the completion in paying quantities of the Huerfano Unit #282 Well.

The Huerfano Unit #282 Well, located 2510' from the North line and 1180' from the East line of Section 31, Township 27 North, Range 10 West, N.M.P.M., was spudded on May 9, 1978, and completed on June 29, 1978, at a total depth of 6404'. The Dakota Formation at the intervals of 6204', 6247', 6263', 6306', 6310', 6314', 6331', 6335', and 6346' was treated with a sand-water fracturing process on June 19, 1978. The well was shut-in on June 21, 1978, and after being shut-in for eight (8) days, the Dakota Formation was tested on June 29, 1978, using the Pitot tube method with an after frac guage of 646 MCF/D, with an SIPC of 1864 psia and an SIPT of 1862 psia. The spacing unit for this well is described as the E/2 of Section 31, Township 27 North, Range 10 West, N.M.P.M., containing 320.00 acres.

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

EXHIBIT "A"

Ownership map reflecting the boundaries of the Unit and the proposed Forty-Eighth Expansion of the Dakota Participating Area.

EXHIBIT "B"

Geological Report concerning the Forty-Seventh Expansion of the Dakota Formation in the Huerfano Unit.

EXHIBIT "C"

Huerfano Unit Structure Map contoured on the top of the Dakota Formation.

EXHIBIT "D"

Schedule of Dakota oil and gas production.

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

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

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

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

Yours very yours,

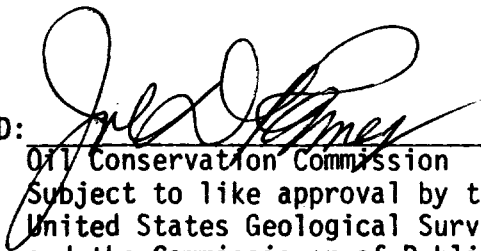
A handwritten signature in cursive script, appearing to read "James R. Permenter".

James R. Permenter
Manager, Land Contracts & Titles
Land Department
Energy Resource Development

JRP/JLM/sfg
Attachments
Huerfano Unit, 4.3

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

APPROVED: _____ DATE: _____
Commissioner of Public Lands
Subject to like approval by the
United States Geological Survey
and the Oil Conservation Commission

APPROVED:  _____ DATE: March 6, 1979
Oil Conservation Commission
Subject to like approval by the
United States Geological Survey
and the Commissioner of Public Lands

The foregoing approvals are for the Forty-Seventh Revision of the Participating Area for the Dakota Formation, effective August 1, 1977, under the Huerfano Unit, I Sec. No. 731, San Juan County, New Mexico.

HUERFANO UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling Corp.

Robert L. Breedlove

Brookhaven Oil Company

Barbara Ann McConnell Bruss

Mrs. Ola E. Callahan

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Albert R. Greer

Mrs. Charline K. Greer

HUERFANO UNIT
Working Interest Owners - Page Two

Alfred Gross, Trustee

Gulf Oil Company

Dr. and Mrs. James J. Hamilton, Jr.

Mr. Vincent B. Hamilton

Mr. G. W. Hannett

Mrs. Beulah Irene Hanson

Clarence E. Hinkle and
Edna I. Hall, Trustees

Clarence E. Hinkle and
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Mrs. Billie D. Hood

Bernice Jeffs

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HUERFANO UNIT
Working Interest Owners - Page Three

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Estate of Mr. and Mrs. Frank Toombs

Union Texas Petroleum
Denver, Colorado

Union Texas Petroleum
Houston, Texas

David William Walters

Dr. Sherman Wengerd

State of New Mexico

RECEIVED
MAR 2 1979
Oil Conservation



Commissioner of Public Lands

March 1, 1979

ALEX J. ARMIJO
COMMISSIONER

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

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

No. 195

Re: Huerfano Unit
San Juan County, New Mexico
APPLICATION FOR APPROVAL OF THE
FORTY-EIGHTH REVISION OF THE
PARTICIPATING AREA FOR THE
DAKOTA FORMATION,
EFFECTIVE July 1, 1978

ATTENTION: Mr. James R. Permenter

Gentlemen:

The Commissioner of Public Lands has this date approved the Forty-Eighth Revision of the Participating Area for the Dakota Formation for the Huerfano Unit, San Juan County, New Mexico. This Forty-Eighth Revision covers the E/2 of Section 31, Township 27 North, Range 10 West a total of 320.00 acres.

Our approval is subject to like approval by the United States Geological Survey and the New Mexico Oil Conservation Division.

Enclosed is one approved copy for your files.

Very truly yours,

ALEX J. ARMIJO
COMMISSIONER OF PUBLIC LANDS

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

AJA/RDG/s
encl.
cc:

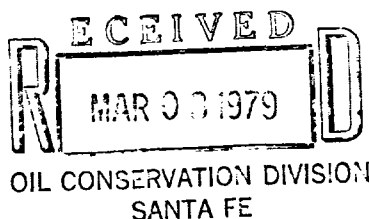
OCD-Santa Fe, New Mexico
USGS-Roswell, New Mexico
USGS-Albuquerque, New Mexico

March 5, 1979

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

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

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



Re: Huerfano Unit
Forty-Eighth Revision
of the Dakota Participating
Area Effective July 1, 1978

Gentlemen:

The recapitulation pages for the referenced expansion of the Huerfano Unit were inadvertently omitted when such was recently filed with your agency. Enclosed herewith are copies of Pages 48 and 49; please include such in your copies.

The working interest owners will be furnished with these same pages by copy of this letter.

Very truly yours,

Jeanne L. Morrison
Associate Landman
Land Department
Energy Resource Development

JLM/sfg
Huerfano Unit 4.3, 5.0

cc: Working Interest Owners

HUERFANO UNIT
Working Interest Owners

Amoco Production Company (3)
Denver, Colorado

Amoco Production Company
Farmington, New Mexico

Atlantic Richfield Company (3)

B & M Construction Corporation

Benson-Montin-Greer Drilling Corp.

Robert L. Breedlove

Brookhaven Oil Company

Barbara Ann McConnell Bruss

Mrs. Ola E. Callahan

Sonia H. Hopkins

Camille Chilcote

Children's Hospital

Consolidated Oil & Gas, Inc.

Continental Oil Company

Thomas G. Cornish

CRA International, Ltd.

Crown Central Petroleum Corporation

Evko Development Company

First National Bank in Albuquerque,
Trustee U/W of A. T. Hannett, Deceased,
and U/A dated July 15, 1969 of
Louise Westfall Hannett

Mr. and Mrs. Forrest Gelbke

Albert R. Greer

Mrs. Charline K. Greer

HUERFANO UNIT
Working Interest Owners - Page Two

Gross Oil Delaware Corporation

Gulf Oil Company

Dr. & Mrs. James J. Hamilton, Jr.

Larry Gilghrist
Executor of the Estate of
Vincent B. Hamilton, Deceased

Mr. G. W. Hannett

Mrs. Beulah Irene Hanson

Clarence E. Hinkle and
Edna I. Hall, Trustees

Clarence E. Hinkle and
Frank O. Elliott, Trustees

Mrs. Billie D. Hood

Bernice Jeffs

Elma R. Jones

Corinne Roy Kelly, Individually and
as Executrix of the Estate of Frank
S. Kelly, Jr., Deceased

Mrs. Frances Langmore Kerrigan

La Plata Gathering System, Inc.

Everett F. Layman & Arthur J. Lempert

O. J. Lilly

Matagorda Oil Company

K. E. McAfee

William H. McCartney

Barbara Irene McConnell

J. W. McConnell, Jr.

Mildred Moore

HUERFANO UNIT
Working Interest Owners - Page Three

N-M Oil & Gas Venture

Northwest Pipeline Corporation

Pearl O. Pipkin

Laina Mabel Saari

Gladys Sketch

J. C. Smith

Sunland Refining Corporation

Sunshine Royalty Company

Tenneco Oil Company

Texas Pacific Oil Company, Inc. (2)

Estate of Mr. and Mrs. Frank Toombs

**Union Texas Petroleum
Denver, Colorado**

**Union Texas Petroleum
Houston, Texas**

David William Walters

Dr. Sherman Wengerd

**Northwest Pipeline Corporation
Farmington, New Mexico**

Description of Lands in Participating Area

<u>Township 25 North, Range 9 West, N.M.P.M.</u>		
Section 5: All	Section 8: W/2	
Section 6: All	Section 18: All	
Section 7: All		
<u>Township 25 North, Range 10 West, N.M.P.M.</u>		
Section 1: All	Section 11: All	
Section 2: All	Section 12: All	
	Section 13: All	
<u>Township 26 North, Range 9 West, N.M.P.M.</u>		
Section 5: All	Section 20: All	
Section 6: All	Section 21: All	
Section 7: All	Section 22: All	
Section 8: All	Section 23: All	
Section 9: All	Section 26: All	
Section 15: All	Section 27: All	
Section 16: All	Section 28: All	
Section 17: All	Section 29: All	
Section 18: All	Section 30: All	
Section 19: All	Section 31: All	
	Section 32: W/2	
<u>Township 26 North, Range 10 West, N.M.P.M.</u>		
Section 1: All	Section 20: E/2, SW/4, W/2 NW/4, SE/4 NW/4	
Section 2: All	Section 21: All	
Section 3: All	Section 22: All	
Section 4: All	Section 23: All	
Section 6: W/2	Section 24: All	
Section 7: All	Section 25: All	
Section 8: All	Section 26: All	
Section 9: All	Section 27: All	
Section 10: All	Section 28: All	
Section 11: All	Section 29: All	
Section 12: All	Section 30: E/2	
Section 13: All	Section 31: All	
Section 14: All	Section 32: All	
Section 15: All	Section 33: All	
Section 16: All	Section 34: N/2	
Section 17: E/2	Section 35: All	
Section 19: All	Section 36: All	

Effective July 1, 1978

<u>Township 26 North, Range 11 West, N.M.P.M.</u>		
Section 1: All		
Section 12: E/2		
<u>Township 27 North, Range 9 West, N.M.P.M.</u>		
Section 31: All		
<u>Township 27 North, Range 10 West, N.M.P.M.</u>		
Section 19: All		
Section 29: All		
Section 30: All		
Section 31: E/2		
Section 32: All		
Section 33: All		
Section 34: All		
Section 35: All		
Section 36: All		
<u>Township 27 North, Range 11 West, N.M.P.M.</u>		
Section 24: All		
Section 25: All		

Total Number of Acres in Participating Area:

47,706.31

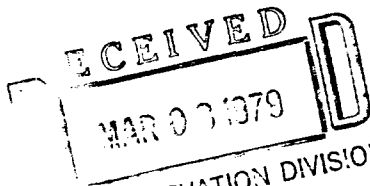
Total Number of Acres Committed in Participating Area:

43,058.71

(1)	Robert L. Breedlove	
(1)	Thomas G. Cornish	
(1)	Estate of A. T. Hannett	
(1)	G. W. Hannett	
(1)	Corrine Roy Kelly, Ind. and as Exec. of the Estate of Frank Kelly	
(1)	William H. McCartney	
(1)	J. C. Smith	
(2)	Forrest Gelbke and June Gelbke	
(2)	James J. Hamilton, Jr.	
(2)	Elma R. Jones	
(2)	Laina Mabel Saari	
(2)	Gladys Sketch	
(2)	Estates of Mabel Toombs and Frank Toombs	
(2)	Frances Walters	
(2)	Everette S. Layman & Arthur J. Lempert	
(2)	Children's Hospital	
(2)	Estate of John Chapman	
(2)	Mildred Moore	
(2)	Camille Chilcote	

El Paso NATURAL GAS
COMPANY

P. O. BOX 1492
EL PASO, TEXAS 79978
PHONE: 915-543-2600



March 5, 1979

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

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

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The working interest owners will be furnished with these same pages by copy of this letter.

Very truly yours,

Jeanne L. Morrison
Associate Landman
Land Department
Energy Resource Development

JLM/sfg
Huerfano Unit 4.3, 5.0

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HUERFANO UNIT
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Section 4: All Section 23: All
Section 6: W/2 Section 24: All
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Section 11: All Section 29: All
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Section 15: All Section 33: All
Section 16: All Section 34: N/2
Section 17: E/2 Section 35: All
Section 19: All Section 36: All

Effective July 1, 1978

Township 26 North, Range 11 West, N.M.P.M.
Section 1: All
Section 12: E/2
Township 27 North, Range 9 West, N.M.P.M.
Section 31: All

Township 27 North, Range 10 West, N.M.P.M.
Section 19: All
Section 29: All
Section 30: All
Section 31: E/2
Section 32: All
Section 33: All
Section 34: All
Section 35: All
Section 36: All

Township 27 North, Range 11 West, N.M.P.M.
Section 24: All
Section 25: All

Total Number of Acres in Participating Area: 47,706.35

Total Number of Acres Committed in Participating Area: 43,058.75

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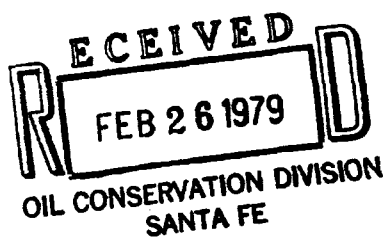


EXHIBIT "B"

HUERFANO UNIT

SAN JUAN COUNTY, NEW MEXICO

GEOLOGIC REPORT

DAKOTA PRODUCING INTERVAL

PROPOSED FORTY-EIGHTH EXPANSION

OF THE DAKOTA PARTICIPATING AREA

EL PASO NATURAL GAS COMPANY

By:


D. E. Adams, Director
Reservoir Engineering Dept.

EXHIBIT "B"

HUERFANO UNIT SAN JUAN COUNTY, NEW MEXICO

GEOLOGIC REPORT DAKOTA PRODUCING INTERVAL

PROPOSED FORTY-EIGHTH EXPANSION OF THE DAKOTA PARTICIPATING AREA

INTRODUCTION

The Huerfano Unit, located in the southwestern portion of the San Juan Basin, is comprised of 63,120.70 acres in Townships 25, 26 and 27 North, Ranges 9, 10 and 11 West, San Juan County, New Mexico.

Hydrocarbons are produced in this unit from three horizons of upper Cretaceous age. In descending order these are: (1) Pictured Cliffs sandstone, (2) Gallup member of the Mancos, and (3) Dakota Producing Interval. Within the Huerfano Unit, 156 producing wells have been drilled into the Dakota interval. The "Dakota Producing Interval," as defined by the New Mexico Commission in Rule 25, Order No. R-1670-C, is ". . . from the base of the Greenhorn limestone to a point 400 feet below the base of the said formation and consisting of the Graneros formation, the Dakota formation, and the productive upper portion of the Morrison formation."

Included as part of this report are two maps entitled Exhibit "C". Exhibit "C", Figure No. 1 shows the subsurface structure of the "Dakota Producing Interval" as reflected by using the top of the Graneros formation as the mapping horizon and mean sea level as the datum plane. The overall picture presented by this map is primarily that of gentle, regional northeast dip. Exhibit "C", Figure No. 2 is an isopachous map showing the number of feet of net reservoir sandstone which is interpreted to be present within the "Dakota Producing Interval". Detailed discussions of the stratigraphy and lithology of the "Dakota Producing Interval" in the general area of the Huerfano Unit may be found in geologic reports which have been previously submitted.

Also included with this report as Exhibit "D", Table No. 1 is a tabulation of the Huerfano Unit Dakota gas production. This tabulation shows by well the absolute open flow potential, date of first delivery into the gathering system, cumulative gas production to January 1, 1978, production by months for 1978 from January through June, 1978 annual production to July 1, 1978 and cumulative gas production to July 1, 1978. Wells within the Dakota Participating Area have produced a cumulative total of 148,514,862 Mcf as of July 1, 1978.

PROPOSED FORTH-EIGHTH EXPANSION
OF THE DAKOTA PARTICIPATING AREA

Effective Date: July 1, 1978

The proposed Forty-Eighth Expansion of the Dakota Participating Area is based upon the completion of Huerfano Unit Well No. 282, 2,510 feet from the north line, 1,180 feet from the east line, Section 31, T-27-N, R-10-W, San Juan County, New Mexico. On June 29, 1978 the Huerfano Unit No. 282 well, on after frac gauge for sizing equipment only, flowed at the rate of 646 Mcf/D. Casing shut-in pressure was 1,864 psia and tubing shut-in pressure was 1,862 psia.

Proposed Expanded Acreage

Township 27 North, Range 10 West

Section 31: East Half

The subject well produces from the sand zones within the Graneros shale and from the Dakota "A" and "B" zones which are the upper and middle sands of the Dakota formation. These producing horizons are correlative with other wells in the Unit. The proposed acreage is inferred to be capable of producing unitized substances in commercial quantities from the Dakota "A" and "B" zones and the Graneros sandstone. Exhibit "C", Figure No. 2 illustrates the net reservoir sand which is interpreted to be present under the acreage proposed for admission to the Dakota Participating Area by the Forth-Eighth Expansion.

EXHIBIT 'D'
TABLE NO. 1
HUEFANO DK
SAN JUAN COUNTY, NEW MEXICO

VOLUMES IN MCF AT 15.025 PSIA AND 60 DEGREES F.

WELL NAME AND NO.	AOF MCF/D	DATE OF FIRST DELIVERY	CURRENT WELL STATUS	1-1-78 CUM PROD	JAN.	1978 MONTHLY PRODUCTION				MAY	JUNE	1978 PROD	1978 CUM PROD
						FEB.	MAR.	APR.					
HUEFANO UNIT #281	*646	78/08/02	DISC	0	0	0	0	0	0	0	0	0	0
HUEFANO UNIT #282	*646	78/08/01		0	0	0	0	0	0	0	0	0	0
HUEFANO UNIT #4	271	51/05/31		1684245	3778	3380	3824	3709	3709	3518	21918	1706163	
MCADAMS #2 DK	4293	58/05/27		1004816	2479	2242	2334	2414	2079	1910	13458	1018274	
MCADAMS #3 DK	11236	58/09/06		631795	1594	1477	1668	1566	1746	1629	9680	641475	
MCADAMS #4 DK	19496	58/09/10		841555	1495	2162	1920	1833	1927	1833	11170	852725	
HUEFANO UNIT #99 DK	2454	59/02/05		902405	2159	2623	1638	2858	2800	2738	14816	917221	
HUEFANO UNIT #92 DK	1708	59/04/10		1138998	3518	3641	2413	2589	4010	2164	18335	1157333	
HUEFANO UNIT #104 DK	6863	59/04/21		3759438	4808	3653	4270	5435	2477	2828	23471	3782909	
HUEFANO UNIT #103 DK	5303	59/05/04		476030	441	405	438	460	390	463	2597	478627	
HUEFANO UNIT #105 DK	4864	59/05/04		1321794	4540	5639	5149	4062	5295	4907	29592	1351386	
HUEFANO UNIT #107 DK	8376	59/05/04		1762605	5279	6146	4661	5428	5677	4516	31707	1794312	
HUEFANO UNIT #106 DK	2892	59/09/24		994635	3099	3186	3216	2326	3115	3123	18065	1012700	
HUEFANO UNIT #112	983	59/11/01		6743	0	0	0	0	0	0	0	6743	
HUEFANO UNIT #109 DK	3761	59/11/17		942092	3490	2907	3359	2779	3191	2786	18512	960604	
HUEFANO UNIT #111 DK	3703	59/12/11		2357639	0	0	0	0	0	0	0	2357639	
HUEFANO UNIT #110 DK	2242	60/02/25		954861	3032	3477	3127	3201	2874	2634	18345	973206	
HUEFANO UNIT #108 DK	5437	60/04/11		1297732	4362	4001	3598	4721	3883	3522	24087	1321819	
HUEFANO UNIT #120	8372	61/02/07		3907381	13235	11662	13232	13063	12935	11886	76013	3983394	
HUEFANO UNIT #115	3217	61/02/10		382805	2	3	4	4	4	4	21	382826	
HUEFANO UNIT #113 DK	804	61/02/26		1799029	2976	2327	6753	4992	6436	5321	28805	1827634	
HUEFANO UNIT #101 DK	9765	61/03/24		1668453	5477	6708	5334	4536	5284	4214	31553	1700006	
HUEFANO UNIT #116 DK	3084	61/03/24		941913	3497	3438	3299	3302	3546	3128	20210	462123	
HUEFANO UNIT #117	2226	61/04/25		2540081	6735	6349	6777	6475	4637	4709	35682	2575763	
HUEFANO UNIT #125	7754	61/04/25		1297463	4905	4494	5148	5816	3895	4668	28926	1326389	
EVENSEN #2	8200	61/06/14		1112352	4590	4404	4471	3177	4363	3260	24265	1136617	
HUEFANO UNIT #121	20919	61/06/16		7234229	18759	15974	17806	16845	15286	14725	99395	7333624	
HUEFANO UNIT #126	3832	61/11/22		2378898	7986	6849	7910	7375	7469	6456	44045	2422943	
HANCOCK FEDERAL #3	5986	62/03/23		1062313	3884	2917	2762	4153	3202	1901	18819	1081132	
HANCOCK #12	7258	62/04/03		1200024	3682	3540	3720	3469	3737	3293	21441	1221465	
BALLARD #11 DK	2270	62/06/02		828303	2588	3355	2996	87	99	0	9125	837428	
HANCOCK FEDERAL #6	7293	62/10/09		657449	1758	1787	2015	1633	1668	1107	9968	667417	
HUEFANO UNIT #135	7143	62/11/27		1338278	3000	3370	3197	3663	2191	3947	19368	1357646	
FEDERAL SCOTT #12	2300	62/12/01	P & A	80857	0	0	0	0	0	0	80857		
HUEFANO UNIT #134	3587	63/01/30	1203165	3180	5791	3243	3139	5272	3403	24028	1227193		
HUEFANO UNIT #137	8282	63/02/04	1062276	3392	3346	3610	3388	2916	3226	19878	1082154		
HUEFANO UNIT #130	7132	63/02/05	1562474	5334	4589	5510	4505	3872	4315	28125	1390599		
HUEFANO UNIT #133	6487	63/02/25	903056	3552	3486	4778	3959	2906	1893	20574	923630		
HUEFANO UNIT #136	2625	63/02/27	960184	2444	2879	4129	3653	3008	2545	18658	978842		
F. SCOTT FEDERAL #11	1094	63/04/01	522977	2883	2613	1978	1959	1512	0	10945	533922		
HUEFANO UNIT #124	3753	63/09/11	628194	2679	2734	2823	2754	2177	2305	15472	643666		
HUEFANO UNIT #129	3062	63/12/12	1737183	4450	5238	6453	5273	4592	4612	30618	1767801		

*AFTER FRAC GAUGE

WELL NAME AND NO.	ADF MCF/D	DATE OF FIRST DELIVERY	CURRENT WELL STATUS	1-1-78 CUM PROD	1978 MONTHLY PRODUCTION					JUNE	1978 PROD	47-1-78 CUM PROD
					JAN.	FEB.	MAR.	APR.	MAY			
HUERFANO UNIT #138	1430	63/12/13	DISC	67201	0	0	0	0	0	0	0	67201
BALLARD COM #15	1052	64/02/11	P & A	81422	0	0	0	0	0	0	0	81422
ELEANOR SCOTT FEDERAL #13	960	64/09/01		341306	3008	2677	2153	3013	2169	0	13020	354326
JENNAPIA #1	9222	64/09/01		1869771	3315	3237	5192	4852	3038	0	20434	1890205
NAVAJO #1	3252	64/09/01		2183031	6588	5255	5781	6610	5699	0	20933	2212964
NAVAJO #2	4660	64/11/01		965761	4441	3779	4094	4037	4161	0	20512	986273
HUERFANO UNIT # 141	2943	64/11/25		267030	1197	1045	1174	1356	1271	1014	7087	274087
HUERFANO UNIT #140	4042	64/11/27		868240	3474	2409	2845	3199	900	3755	16582	884822
HUERFANO UNIT #142	4645	65/02/26		1212522	4311	5256	4573	4212	4512	4444	27308	1239830
NAVAJO #3	3757	65/03/01		401908	1553	1755	1093	1396	1722	0	7519	409427
LUNDEAN #1	2971	65/04/01	DISC	474975	0	0	0	0	0	0	0	474975
HUERFANO UNIT 146	5914	65/09/09		1327919	5570	6435	9732	6437	6450	5647	36271	1364190
HUERFANO UNIT #145	4384	66/02/15		1431059	3404	2916	2759	2089	2344	1988	15500	1446559
HUERFANO UNIT #144	4218	66/02/15		1735814	7441	6408	6957	6697	6001	4686	38190	1774004
HUERFANO UNIT #143	1287	66/03/01		190262	271	287	242	464	384	314	1962	192224
HUERFANO UNIT #155	2493	66/04/07		334900	1340	1353	1950	1683	1167	1208	8701	343601
HUERFANO UNIT #148	1223	66/11/01		255900	760	616	788	733	757	791	4445	260345
HUERFANO UNIT #152	7347	66/11/04		1537894	7331	7009	5481	4041	7433	6635	37930	1575824
HUERFANO UNIT #149	5835	66/11/10		713350	365	281	315	60	52	0	1073	714423
HUERFANO UNIT NP #172	1365	67/04/20		292389	1088	776	1220	1007	844	582	5087	257886
HUERFANO UNIT #156	3881	67/05/18		469665	2352	1844	1908	2441	2022	1232	11799	481464
HUERFANO UNIT #166	4405	67/05/26		946359	3761	3435	4258	3853	4475	3911	23693	970252
HUERFANO UNIT #165	4180	67/05/31		330837	1701	1533	1544	1714	1339	1301	9132	339969
HUERFANO UNIT #159	2045	67/06/08		285118	1982	1948	1988	2175	2176	1934	12113	297331
HUERFANO UNIT #158	3855	67/06/12		324316	1619	1446	2038	1615	1646	1279	9643	333959
HUERFANO UNIT #170	1666	67/06/12		1362344	7027	6308	5518	6510	5554	5055	35972	1398516
HUERFANO UNIT #132	8379	67/06/12		1199963	5211	4170	5399	5269	4244	4424	28717	1228680
HUERFANO UNIT #171	9915	67/06/16		2748019	15842	14590	15430	14236	12921	12899	85918	2833937
HUERFANO UNIT #164	8544	67/06/16		1326842	4492	3934	4432	4899	4054	4595	26406	1353248
HUERFANO UNIT #163	3917	67/06/22		1742917	8395	6490	8865	7160	4722	4239	39871	1782788
HUERFANO UNIT #169	5529	67/06/23		379197	1365	1091	1314	1377	1632	1422	8201	387398
HUERFANO UNIT #162	5326	67/06/26		2588269	15087	13466	14910	13465	13640	11262	81830	2870099
HUERFANO UNIT #167	7861	67/06/27		1141016	7721	6171	7134	6833	7113	9730	40702	1181718
HUERFANO UNIT #161	2120	67/07/13		1848203	5986	5078	6507	7904	5491	4875	35841	1884044
HUERFANO UNIT #168	4203	67/07/21		1110305	4584	4217	4573	4433	3883	3614	25304	1135609
HUERFANO UNIT #160	1032	68/04/11	P & A	330209	1525	1441	1458	1196	1372	1062	8054	338263
HUERFANO UNIT #173	4198	68/05/16		21012	0	0	0	0	0	0	0	21012
HUERFANO UNIT #180	2074	68/05/17		1463656	7504	6624	6441	8187	6787	6024	41567	1505223
HUERFANO UNIT #174	4171	68/06/04		749776	4507	4177	4114	4091	4091	4186	25166	774942
HUERFANO UNIT #179	4608	68/08/13		942181	4375	3950	4776	4502	6655	4845	29103	971284
HUERFANO UNIT #175	5553	68/08/15		1318087	6186	5751	7219	7442	7036	5662	39023	1357110
				1115129	6145	5900	6351	6530	7056	5972	37984	1153083

WELL NAME AND NO.	AUF MCF/D	DATE UP FIRST DELIVERY	CURRENT WELL STATUS	1-1-78 CUM PROD	1978 MONTHLY PRODUCTION					JUNE	1978 PROD	CUM PROD 97-1-78
					JAN.	FEB.	MAR.	APR.	MAY			
HUERFANO UNIT #178	2245	68/08/16		689022	1555	1125	1728	1006	1063	787	7264	696286
HUERFANO UNIT #177	5532	68/08/22		2750034	4472	4272	3896	3655	2493	2742	21530	2771564
HUERFANO UNIT #176	5310	68/08/22		778396	4220	3396	4217	4143	3371	3459	23206	801602
HUERFANO UNIT #153	7042	68/10/30		289202	1257	1491	1382	1472	1472	1524	8373	297575
HUERFANO UNIT #150	3520	68/11/06		686299	3949	3467	4230	4006	4226	4473	24351	710650
HUERFANO UNIT #127R	7125	68/11/15		794790	3110	2345	3421	2886	2684	1922	16568	811358
HUERFANO UNIT #182	3275	68/11/20		455866	20	47	42	47	47	47	280	456116
HUERFANO UNIT #181	3919	68/11/21		825128	2794	1776	3286	2905	3081	2011	15853	840981
HUERFANO UNIT #54	3618	69/03/12		308824	1891	1985	2337	2095	1665	1637	11610	320434
HUERFANO UNIT #193	4069	69/03/19		368325	1984	1696	2304	2850	1326	1893	12053	380378
HUERFANO UNIT #184	2944	69/04/01		561120	4225	3896	4431	4386	3882	3257	24077	585197
HUERFANO UNIT #185	3711	69/04/02		1081669	6544	6236	7059	6879	8338	6682	41738	1123407
HUERFANO UNIT #192	4435	69/04/08		512747	3033	2580	2824	2891	2891	2486	16705	529452
HUERFANO UNIT #190	6882	69/05/01		447132	2576	1788	2244	2120	2008	1920	12686	459788
HUERFANO UNIT #187	7351	69/05/02		705988	4352	3449	3163	5162	4311	4097	24534	730522
HUERFANO UNIT #194	3203	69/05/29		895577	3651	3507	3829	3248	3270	2564	20069	915646
HUERFANO UNIT #119	3435	69/06/02		754020	3638	4059	3694	3847	3623	3531	22592	776612
HUERFANO UNIT #195	6293	69/06/03		2613206	11138	10288	12077	10663	7378	8183	59727	2672933
HUERFANO UNIT #189	3947	69/06/04		628071	4572	3700	4420	3799	3769	3887	24597	652668
HUERFANO UNIT #196	8817	69/06/05		3255021	12733	15000	18443	15952	15378	12426	95072	3350093
HUERFANO UNIT #198	3129	69/06/05		409018	1685	1748	1982	1661	1391	1217	9684	418702
HUERFANO UNIT #197	6052	69/06/25		1892352	9999	8514	10141	7923	7983	3402	47962	1940314
HUERFANO UNIT #191	3691	69/08/15		717331	4471	3261	6360	5541	5602	4342	29577	746908
HUERFANO UNIT #183	5785	69/09/10		1143156	7309	6052	6404	6003	6420	6132	38322	1181478
HUERFANO UNIT #186	2698	69/09/11		415991	1693	2200	1554	2673	2075	1905	12100	428091
HUERFANO UNIT NP #199	1212	69/11/07	P & A	41085	0	0	0	0	0	0	0	41085
HUERFANO UNIT #188	7377	69/11/13		925764	6856	5868	7485	7088	7074	5676	40047	965811
HUERFANO UNIT #207	3454	70/03/25		2111766	15127	13245	13820	12986	11865	11164	78209	2189975
HUERFANO UNIT #202	2454	70/03/31		1273363	5673	5450	6243	5437	5345	4935	33083	1306446
HUERFANO UNIT #201	1485	70/04/21		465016	3058	2699	2775	2621	2976	2357	16486	481502
HUERFANO UNIT #122	2800	70/05/05		916505	6701	5956	6943	6498	6170	6220	38488	954993
HUERFANO UNIT #203	2029	70/05/07		347417	2716	2535	2466	2366	2323	2420	14846	362263
HUERFANO UNIT #200	1339	70/06/25		701605	5138	5533	5103	5012	4684	4262	29712	731337
HUERFANO UNIT #206	2971	70/07/02		284749	1888	1651	1588	1697	1410	1949	10183	294932
HUERFANO UNIT #204	1862	70/07/13		222234	1567	1535	1577	3103	1669	1495	11146	233380
HUERFANO UNIT #205	4043	70/07/24		235901	2853	5649	4858	5615	7663	8333	34941	270842
HUERFANO UNIT COM #208	4032	70/08/11		359735	3633	2619	3243	2707	2828	2425	17855	376990
HUERFANO UNIT #218 OK	4353	71/06/10		937185	4320	3489	4684	3955	3622	3490	23560	980745
HUERFANO UNIT #209	4286	71/06/11		678646	2586	3482	4242	3750	3201	3368	20049	698695
HUERFANO UNIT #131	1499	71/06/24		507069	3300	3030	2982	3344	2771	1942	17369	524438
HUERFANO UNIT #210	2603	71/06/29		567974	5318	4428	4913	4663	4494	4682	28498	596472
HUERFANO UNIT #213	1370	71/06/30		225996	1881	1580	1394	1639	1567	1499	9560	235556

WELL NAME AND NO.	AOF MCF/D	DATE OF FIRST DELIVERY	CURRENT WELL STATUS	1-1-78 CUM PROD	JAN.	1978 MONTHLY PRODUCTION				JUNE	1978 PROD	07-1-78 CUM PROD
						FEB.	MAR.	APR.	MAY			
HUFRANO UNIT #211	1157	71/09/16		164934	1021	1022	1394	1207	1055	1060	6759	171693
HUFRANO UNIT #215	1727	71/10/14		936771	5818	5090	5384	4539	4918	4359	30108	966879
HUFRANO UNIT #217	1001	71/10/14		195354	2430	2418	2087	1407	2004	1943	12289	207643
HUFRANO UNIT #219	2762	72/01/14		640063	4904	4908	5204	4526	4435	4336	28313	668376
HUFRANO UNIT #222	16323	72/04/06		2121567	14374	13677	11441	14379	748	12	54631	2176198
HUFRANO UNIT #224	407	72/04/11		290609	2185	1919	2708	2286	2432	2257	13787	304396
HUFRANO UNIT #223	1757	72/04/11		316131	3261	2857	3216	3120	2819	2769	18042	334173
HUFRANO UNIT #225	11214	72/04/12		2229859	25789	21468	24405	22903	21473	19269	135307	2365166
HUFRANO UNIT NP #216	531	72/04/12		121482	1414	1649	1531	1649	1715	1336	9294	130776
HUFRANO UNIT #227	1897	72/04/18		378315	4954	3791	4963	4085	4499	669	22961	401276
HUFRANO UNIT #228	1146	72/05/01		258646	5047	3883	2523	3863	4177	5915	23408	282054
HUFRANO UNIT #226	753	72/05/10		213770	1971	2070	1982	1807	2178	1964	11972	225742
HUFRANO UNIT #21	4956	72/05/15		530460	4871	4019	5365	4555	4213	4011	27034	557494
HUFRANO UNIT NP # 229	1033	72/07/14		159883	1465	1012	1311	1182	1275	1625	7870	167153
HUFRANO UNIT #230	754	72/08/18		251400	2578	2424	2906	2057	2471	2834	15270	286670
HUFRANO UNIT NP #212	15	72/08/24		41326	3	2055	1184	1433	1916	2359	8980	50276
HUFRANO UNIT #243	1451	73/09/10		662259	9737	8808	8689	6885	8235	7152	49306	711765
HUFRANO UNIT #245	2224	73/09/11		470430	6188	5936	5691	6181	5850	5756	35602	506032
HUFRANO UNIT #72	1571	73/09/25		214250	2810	2643	3714	2934	2829	3058	17988	232238
HUFRANO UNIT #244	4197	73/09/25		857836	8997	9785	9232	8231	8094	7110	51449	909285
HUFRANO UNIT # 118	1176	74/03/13		414942	8033	5628	7826	5208	6550	6739	39984	454926
HUFRANO UNIT # 264	1699	74/07/01	DISC	34235	0	0	0	0	0	0	0	34235
HUFRANO UNIT #259	446	74/07/03		47089	1288	1095	1103	764	941	840	6031	53116
HUFRANO UNIT #73	1614	74/07/10		160784	2420	2564	2960	2426	2462	2411	15243	176027
HUFRANO UNIT #68	1325	74/07/16		44757	0	0	0	698	982	906	2586	47343
HUFRANO UNIT #263	1384	74/07/23		175718	3214	2758	3283	3379	3194	3192	19080	194738
HUFRANO UNIT #260	526	74/07/26		332292	5533	4941	6211	6458	6168	5079	34390	366682
HUFRANO UNIT #261	317	74/08/08		418765	7309	6476	6343	7396	6054	5921	39499	458264
HUFRANO UNIT #273	3183	75/06/24		187746	2993	2695	2949	3281	2702	2503	17123	204869
HUFRANO UNIT #265DK	1128	76/02/24		68771	2284	2113	2555	2300	2124	2089	13465	82236
TOTALS				144863329	654983	605137	656002	630286	588842	516283	3651533	148514862