SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP OF OIL AND GAS INTERESTS

BEAR CANYON UNIT AREA

RIO ARRIBA COUNTY, NEW MEXICO

2.	FEDER 1.	TRACT
T26N-R2W, N.M.P.M. Sec. 3: E½SW½ Sec. 10: E½NW½, SE½	FEDERAL LANDS:  1. T26N-R2W, N.M.P.M. Sec. 3: W½SW½ Sec. 11: NE½SW½, W½SE½ Sec. 13: S½S½	T DESCRIPTION OF LAND
320.00	360.00	NUMBER OF ACRES
NM-13809 Effective 6-1-71	NM-7993 Effective 11-1-68	SERIAL NUMBER AND EXPIRATION DATE OF LEASE
U.S.AA11	U.S.AAll	BASIC ROYALTY AND PERCENTAGE
W. M. Gallaway	Dugan Production Corp. R. L. Andes W. E. Lang	LESSEE OF RECORD AND PERCENTAGE
100% F. J. Bradsahw Estate	Billie Robinson 50% 30% 20%	OVERRIDING ROYALTY AND PERCENTAGE
<b>5</b>	5%	
W. M. Gallaway	Dugan Production Cor R. L. Andes W. E. Lang	WORKING INTEREST AND PERCENTAGE
100%	50% 30% 20%	

HBP

<b>5</b>		ω •
T26N-R2W, N.M.P.M. Sec. 11: W2SW2, SE2SW2	T26N-R2W, N.M.P.M. Sec. 3: N2SE4	T26N-R2W, N.M.P.M. Sec. 2: SW\2SW\2 Sec. 10: E\2SW\2
120.00	80.00	120.00
NM-29756 Effective 3-1-82	NM-28811 Effective 11-1-76 Expires 10-31-86	NM-19560 Effective 12-1-73
U.S.AA11	U.S.AAll	U.S.AA11
Southland Royalty Company 100%	Michael W. Murphy 100%	W. M. Gallaway 100%
Marian Z. Simmons and Detroit Bank and Trust Company Co-Trustees of Charles D. Simmons Trust 5%	)% Charles Meeker & Charles Niemeth 6.25%	)% Charles R. Greer 5%
Southland Royalty C	Michael W. Murphy	W. M. Gallaway
Company 100%	100%	100%

7		7.		6.
FEDERAL		T26N-R2W, N.M.P.M.		126N-R2W, N.Μ.Ρ.Μ. Sec. 13: Ν <sup>2</sup> / <sub>2</sub> ΝΕ <sup>3</sup> / <sub>χ</sub> Sec. 14: SE <sup>3</sup> / <sub>χ</sub>
TRACTS		N.M.P.M.		N.M.P.M. N2NEZ SEZ
TOTALING		40.00		240.00
1,280.00	Effective 10-1-85 Expires 9-30-95	NM-62743	Expires 8-31-94	NM-58703 Effective
ACRES		U.S.AAll		U.S.AA11
OR				11
26.67%		William E.		Amoco Production Company
OF UN		Jeffers		ction Comp
UNIT		100%		oany 100%
AREA			Nancy June Nolan .3333% Michael C. Donegan .3333%	Anthony Minerals Co
			.3333%	Company 4.25% .6666%
		William E. Jeffers		Amoco Production Company 100%
		100%		any 100%

					8. T26N-R2W, N.M.P.M. Sec. 1: S2
					320.00
3-28-90	3-28-90	3-28-90	3-28-90	3-28-90	8-31-87
Lance B. Reemtsma 2	Dirk Vanhorn Reemtsma 2	Susan Pierce Nelson	David Pierce	John B. Pierce	Oliver Windale Davis and Ruby Irene Ozanich, Trustees of the Frederick Harold Davis and Sarah Alma Davis Family Trust
2.8125%	2.8125%	3.75%	3.75%	3.75%	and derick rah rust 46.875%
Amoco Production Company 100%					
Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton					
	.8333% .8333% .8333%	. 83333 . 83333 . 83333 . 83333 . 83333 . 83333	.8333% .8333% .8333%	.8333% .8333% .8333%	. 83333 833333 83333 883333 8
Amoco Production Company 2.8125%	Amoco Production Company 2.8125%	Amoco Production Company 3.75%	Amoco Production Company 3.75%	Amoco Production Company 3.75%	Amoco Production Company 46.875%

7-9-89	9-9-89	9-9-87	9-9-87	7-9-89
Guy C. Davis, Individually and as Co-Trustee of the Testamentary Trust created by the Last Will and Testament of Guy Davis 1.5625%	Juanita D. Cochran, Individually and as Co- Trustee of the Testamentary Trust created by the Last Will and Testament of Guy Davis 1.5625%	Kenneth C. Leach and Judith Dianne Duff Leach, as Co-Trustees of the Duff- Leach Family Trust dated April 20, 1984 8.28125%	United New Mexico Trust Company, Trustee for the Arthur L. Duff, Jr. Trust 8.28125%	Roland D. Pritchett & April Annette Pritchett (h&w) 16.5625%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%
Jeff Wiepking 1.875% Tom Fullerton 1.875% Hunt Walker 1.875% James B. Fullerton 1.875%	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
1.875% 1.875% 1.875% 1.875%	1.875% 1.875% 1.875% 1.875%	.3125% .3125% .3125% .3125%	.3125% .3125% .3125% .3125%	.8333% .8333% .8333%
Amoco Production Company 1.5625%	Amoco Production Company 1.5625%	Amoco Production Company 8.28125%	Amoco Production Company 8.28125%	Amoco Production Company 16.5625%

								9. T26N-R2W, N.M. P.M. 80.00 Sec. 2: E2SE2
10-5-88	10-5-88	10-5-88	10-5-88	11-1-88	10-5-88	7-23-88	2-8-89	00 4-30-88
Suzanne B. Kay & David G. Kay (w&h) 2.7778%	Cynthia B. Bowmer 2.7778%	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778%	May Anna Anderson & Carl T. Anderson (w&h) 4.1667%	Peggy Williamson McCullough 4.1667%	Donald C. Ward 4.1667%	Thomas S. Schalk & Betty June Schalk (h&w) 8.3333%	Frank Kell Cahoon & Lula Jane Seydell 16.6666%	Armando Vidal Garcia, Jose Blas Garcia & Olivia Garcia 50%
Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%
None	None	None	None	None	None	None	None	None
Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 4.1667%	Amoco Production Company 4.1667%	Amoco Production Company 4.1667%	Amoco Production Company 8.3333%	Amoco Production Company 16.6666%	Amoco Production Company 50%

10. T26N-R2W, N.M.P.M. 320.00 Sec. 2: W2SE4, E2SW4 Sec. 11: W2NE4, E12NW4	9. Cont'd.
3-4-88	11-12-88
Oliver Windale Davis and Ruby Irene Ozanich, Trustees of the Frederick Harold Davis and Sarah Alma Davis Family Trust	W. C. Duncan, II as Trustee for Mae Bell Duncan under the Will of William Collins 2.0833%  W. C. Duncan, II 2.0833%
From the surface to 100 feet below the base of the Dakota Formation: Amoco Production Company 100%  From said depth and below: Unleased 100%	Amoco Production None Company 100%  Amoco Production None Company 100%
From the surface to 100 feet below the base of the Dakota Formation: Amoco Production Company 100%  From said depth and below: Unleased 100%	Amoco Production Company 2.0833% Amoco Production Company 2.0833%

						11. T26N-R2W, N.M.P.M. Sec. 3: \$\frac{1}{2}SE\frac{1}{2}\$
						80.00
10-5-88	12-18-89	12-18-89	7-23-88	11-10-89	6-26-89	2-8-89
Donald C. Ward	Barbara Simpson, fo Barbara Downen	Beverly Jenkins	Thomas S. Schalk & June Schalk (h&w)	The Portales Nation as Trustee of the Testamentary Trust under the Last Will Testament of M. H.	Maxine Bodenhamer	Frank Kell Cahoon and Lula Jane Seydell 16.666
4.1667%	ormerly 4.1667%	4.1667%	Betty 8.3333%	nal Bank, t created l1 and . McGrail 12.5%	12.5%	and Lula 16.6666%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%	100%	100%
None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None
	. 83333 . 83333 . 83333 . 83333 . 8	.8333% .8333% .8333%		. 8333333333333333333333333333333333333	.8333% .8333% .8333%	
Amoco Production Company 4.1667%	Amoco Production Company 6.25%	Amoco Production Company 6.25%	Amoco Production Company 8.3333%	Amoco Production Company 12.5%	Amoco Production Company 12.5%	Amoco Production Company 16.6666%
	Donald C. Ward 4.1667% Amoco Production None Amoco Production Company 100% Company 4.1	9 Barbara Simpson, formerly Amoco Production Jeff Wiepking .833% Amoco Production Barbara Downen 4.1667% Company 100% Tom Fullerton .833% Company 6 Hunt Walker .833% Company 5 James B. Fullerton .833%  Donald C. Ward 4.1667% Amoco Production Company 100% Company 4.1	9 Beverly Jenkins 4.1667% Amoco Production Jeff Wiepking .8333% Amoco Production (Company 100% Tom Fullerton .8333% Company (Hunt Walker .8333% Company James B. Fullerton .8333% Company James B. Fullerton .8333% Amoco Production James B. Fullerton .8333% Company Hunt Walker .8333% Company Hunt Walker .8333% Company (Manco Production .8333% James B. Fullerton .8333% Company 4.1 Company 4.1	Thomas S. Schalk & Betty June Schalk (h&w) 8.3333 Company 1007  9 Beverly Jenkins 4.16672 Amoco Production Barbara Simpson, formerly Barbara Downen 4.16672 Company 1007 Tom Fullerton .83332 Company  9 Barbara Simpson, formerly Barbara Downen 4.16672 Company 1007 Tom Fullerton .83332 Amoco Production Hunt Walker .83332 Company Hunt Walker .83333 Amoco Production Hunt Walker .83333 Company Hunt Walker .83333 Company Hunt Walker .83333 Company  Hunt Walker .83333 Company  Gompany 4.16672 Amoco Production Company 4.1	9 The Portales National Bank, a moco Production as Trustee of the Testamentary Trust created under the Last Will and Testament of M. H. McGrail 12.5%  Thomas S. Schalk & Betty June Schalk (h&w) 8.333% Company 100% Tom Fullerton .8333% James B. Fullerton .8333% Company 12.5%  Thomas S. Schalk & Betty Amoco Production 100% James B. Fullerton .8333% Company 8.3  9 Beverly Jenkins 4.1667% Amoco Production Company 100% Tom Fullerton .8333% Company 8.3  9 Barbara Simpson, formerly Barbara Downen 4.1667% Company 100% Tom Fullerton .8333% Company (Company Barbara Downen 4.1667% Company 100% Tom Fullerton .8333% Company (Company Barbara Downen 4.1667% Company 100% Tom Fullerton .8333% Company (Company Barbara Downen 4.1667% Company 100% Tom Fullerton .8333% Company (Company 4.1667% Amoco Production .8333% James B. Fullerton .8333% Company (Company 4.1667% Amoco Production .8333% James B. Fullerton .8333% Company (Company 4.1667% James B. Fullerton .8333% James B. Fullerton .	Maxine Bodenhamer 12.5% Amoco Production Jeff Wiepking .833% Amoco Production 100% Tom Fullerton .833% Company  The Portales National Bank, as Trustee of the Testamentary Trust created under the Last Will and Testament of M. H. McGrail 12.5% Amoco Production 100% Tom Fullerton .833% Company 8.33% Company 8.33% Company 8.33% Company 8.33% Company 8.33% Manoco Production 100% Tom Fullerton .833% Manoco Production 100% Manoco Produc

6-11-89	6-27-89	10-5-88	10-5-88	10-5-88	12-18-89	10-5-88
John C. Robertson & Janice Eugenia Robertson (h&w) 2.083	J. W. Jones & Myra Loudene Jones (h&w) 2.083	Suzanne B. Kay & David G. Kay (w&h) 2.77	Cynthia B. Bowmer	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778%	Betty Jennings	May Anna Anderson & Anderson (w&h)
Janice h&w) 2.0833%	2.0833%	id G. 2.7778%	2.7778%	xecutor hn S. e of 2.7778%	4.1666%	Carl T. 4.1667%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%	100%	100%
Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None
. 8333333333333333333333333333333333333	.8333% .8333% .8333%				.8333% .8333% .8333% .8333%	
Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 4.1666%	Amoco Production Company 4.1667%

11-18-88	6-11-89	11-12-88	11-12-88	6-27-89	8-7-87	8-3-87
U. S. Royalties Corporation .8335%	Melvin D. Rueckhaus & Anne C. Rueckhaus (h&w) 1.25%	W. C. Duncan, II 2.0833%	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%	Edgar Alfred Boring & Evelyn Boring (h&w) 2.0833%	Harold Adkins & Linda Muriel Adkins (h&w) 2.0833%	Susan Elizabeth Schulze 2.0833%
Kindermac Partners, A Colorado General Partnership 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%
None	Jeff Wiepking .8 Tom Fullerton .8 Hunt Walker .8 James B. Fullerton .8	None	None	Jeff Wiepking .8 Tom Fullerton .8 Hunt Walker .8 James B. Fullerton .8	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
	. 8333% 8333% 8333% 8333%			.8333% .8333% .8333%	.8333% .8333% .8333%	.8333% .8333% .8333%
Kindermac Partners, A Colorado General Partnership .8335%	Amoco Production Company 1.25%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%

						12.
						T26N-R2W, N.M.P.M. Sec. 10: NE½ Sec. 11: W%NW½
						N.M.P.M. NEX
						240.00
10-5-88	12-18-89	12-18-89	7-23-88	11-10-89	6-26-89	2-8-89
Donald C. Ward	Barbara Simpson, f Barbara Downen	Beverly Jenkins	Thomas S. Schalk & June Schalk (h&w)	The Portales Natio as Trustee of the Testamentary Trus under the Last Wi Testament of M. H	Maxine Bodenhamer	Frank Kell Cahoon and Lula Jane Seydell 16.666
4.1667%	ormerly 4.1667%	4.1667%	Betty 8.3333%	nal Bank, t created ll and . McGrail l2.5%	12.5%	and Lula 16.6666%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%	100%	100%
None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None
		. 83333 83333 83333 8		.8333% .8333% .8333% .8333%	. 83333 83333 83333 83333 83333 8	
Amoco Production Company 4.1667	Amoco Production Company 6.25	Amoco Production Company 6.25	Amoco Production Company 8.3333	Amoco Production Company 12.5	Amoco Production Company 12.5	Amoco Production Company 16.6668
	Donald C. Ward 4.1667% Amoco Production None Company 100%	9 Barbara Simpson, formerly Amoco Production Jeff Wiepking .833% Amoco Production Barbara Downen 4.1667% Company 100% Tom Fullerton .8333% Company Hunt Walker .8333% Company James B. Fullerton .8333% Donald C. Ward 4.1667% Amoco Production None Amoco Production Company 100%	9 Beverly Jenkins 4.1667% Amoco Production 100% Tom Fullerton .8333% Amoco Production 100% Tom Fullerton .8333% Company  9 Barbara Simpson, formerly Barbara Downen 4.1667% Company 100% Tom Fullerton .8333% Amoco Production 100% Tom Fullerton .8333% Amoco Production 100% Tom Fullerton .8333% Amoco Production .8333% James B. Fullerton .8333% Amoco Production .8333% James B. Fullerton .8333% Amoco Production .833%	Thomas S. Schalk & Betty June Schalk (h&w) 8.3333 Company  9 Beverly Jenkins 4.16677 Amoco Production Company  9 Barbara Simpson, formerly Barbara Downen 4.16677 Company  1007 Tom Fullerton James B. Fullerton Barbara Downen 4.16677 Company  1007 Tom Fullerton James B. Fullerton 1008 Tom Fullerton 1008 Company  Hunt Walker 1008 Tom Fullerton 1008 Tom Fullerton 1008 Sand Fullerton 1008 Tom Fullerton 1008 Sand Fullerton 1008	The Portales National Bank, a Amoco Production as Trustee of the Testamentary Frust created under the Last Will and Testament of M. H. McGrail 12.5%  Thomas S. Schalk & Betty Lierton 12.5%  Thomas S. Schalk & Betty Amoco Production June Schalk (h&w) 8.333%  Beverly Jenkins 4.1667% Amoco Production Barbara Simpson, formerly Barbara Downen 4.1667%  Barbara Simpson, formerly Barbara Downen 4.1667%  Donald C. Ward 4.1667% Amoco Production Company 100%  Donald C. Ward 4.1667% Amoco Production Company 100%  Donald C. Ward 4.1667% Amoco Production Lierton 100%  Donald C. Ward 4.1667%  Don	6-26-89 Maxine Bodenhamer 12.5% Amoco Production Jeff Wiepking .833% Amoco Production Company 100% Tom Fullerton .833% Company James B. Fullerton .833% Company B. James B. Fullerton .833% Company S. Schalk 6.8etty James B. Fullerton .833% Company B. James B. Fullerton .833% Company S. James B. Fullerton .833% Company James B. Fullerton .833% Company James B. Fullerton .833% Company S. James B. Fullerton .833% Company James B. Fullerton .833% Amoco Production James B. Fullerton .833% Company James B. Fullerton .833% Amoco Production James B. Fullerton .833% Amoco Production Company James B. Fullerton .833% Amoco Production James B. Fullerton .833% Amoco Production James B. Fullerton .833% Amoco Production Company James B. Fullerton .833% Amoco Production James B. Fullerton .833% Amoco Production Company James B. Fullerton .833% Amoco Production Laborated La

6-11-89	6-27-89	10-5-88	10-5-88	10-5-88	12-18-89	10-5-88
John C. Robertson & Janice Eugenia Robertson (h&w) 2.0833%	J. W. Jones & Myra Loudene Jones (h&w) 2.0833%	Suzanne B. Kay & David G. Kay (w&h) 2.7778%	Cynthia B. Bowmer 2.7778%	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778%	Betty Jennings 4.1666%	May Anna Anderson & Carl T. Anderson (w&h) 4.1667%
Amoco Production Company	Amoco Production	Amoco Production 18% Company	8% Amoco Production Company	Amoco Production Company	6% Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	n 100%	100%	100%
Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None
	. 83333% 83333% 83333%				. 8333% . 8333% . 8333%	
Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 4.1666%	Amoco Production Company 4.1667%

11-18-88	6-11-89	11-12-88	11-12-88	6-27-89	8-7-87	8-3-87
U. S. Royalties Corporation .8335%	Melvin D. Rueckhaus & Anne C. Rueckhaus (h&w) 1.25%	W. C. Duncan, II 2.0833%	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%	Edgar Alfred Boring & Evelyn Boring (h&w) 2.0833%	Harold Adkins & Linda Muriel Adkins (h&w) 2.0833%	Susan Elizabeth Schulze 2.0833%
Kindermac Partners, A Colorado General Partnership 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%
None	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
	. 83333 83333 83333 83333 8			.8333% .8333% .8333%	. 83333 83333 83333 83333	. 83333% . 83333% . 83333%
Kindermac Partners, A Colorado General Partnership .8335%	Amoco Production Company 1.25%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.0833%

I.	10	10	7-		14. T26N-R2W, N.M.P.M. 120.00 4- Sec. 11: E½NE½,		13. T26N-R2W, N.M.P.M. 160.00 3- Sec. 10: W2W2
11-1-88	10-5-88	10-5-88	7-23-88	2-8-89	4-30-88		3-3-88
Peggy Williamson McCullough 4.1667%	May Anna Anderson & Carl T. Anderson (w&h) 4.1667%	Donald C. Ward 4.1667%	Thomas S. Schalk & Betty June Schalk (h&w) 8.3333%	Frank Kell Cahoon & Lula Jane Seydell 16.6666%	Armando Vidal Garcia, Jose Blas Garcia & Olivia Garcia 50%		Oliver Windale Davis and Ruby Irene Ozanich, Trustees of the Frederick Harold Davis and Sarah Alma Davis Family Trust
Amoco Production None Company 100%	Amoco Production None Company 100%	Amoco Production None Company 100%	Amoco Production None Company 100%	Amoco Production None Company 100%	Amoco Production None Company 100%	As to other depths: Unleased 100%	From the base of the Mesaverde Formation down to a depth of 100 feet below the base of the Dakota Formation: Amoco Production Company 100%
Amoco Production Company 4.1667%	Amoco Production Company 4.1667%	e Amoco Production Company 4.1667%	Amoco Production Company 8.3333%	Amoco Production Company 16.6666%	Amoco Production Company 50%	As to other depths: Unleased 100%	From the base of the  Mesaverde Formation  down to a depth of  100 feet below the  base of the Dakota  Formation:  Amoco Production  Company  100%

		14. Cont'd.
		10-5-88
Frances C. Bristol 2.7778%	of the Estate of John S. Bristol & the Estate of	John R. Bowmer, as Executor
	Company 100%	Amoco Production
	%	None

	10-5-88
	Cynthia B. Bowmer
	в.
	Bowmer
	2.7778%
Company	Amoco Production
100%	
~	None

Amoco Production Company 2.7778%

Amoco Production
Company 2.7778% Amoco Production
Company 2.7778%

Amoco Production
Company 2.0833%

Amoco Production Company 2.0833%

Company

100%

								15.
								T26N-R2W, Sec. 11: Sec. 14:
								N.M.P.M. SE <sup>1</sup> / <sub>3</sub> SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub>
								80.00
10-5-88	10-5-88	10-5-88	11-1-88	10-5-88	10-5-88	7-23-88	2-8-89	6-7-89
Suzanne B. Kay & David G. Kay (w&h) 2.77	Cynthia B. Bowmer 2.7	John R. Bowmer, as Executor of the Estate of John S. Bristol and the Estate of Frances C. Bristol 2.7778%	Peggy Williamson McCullough 4.1667	May Anna Anderson & Carl Anderson (w&h) 4.16	Donald C. Ward 4.1	Thomas S. Schalk & Betty June Schalk (h&w) 8.3	Frank Kell Cahoon & Lula Jane Seydell 16.6666%	William A. Riley & Lois Riley (h&w) and Lorena Riley
78%	2.7778% An	<b>%</b>	•~	T. 67%	4.1667% Am	333%	66%	Dawn Arr A. C 50%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%	100%	100%	100%	100%
None	None	None	None	None	None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
								1.875% 1.875% 1.875% 1.875%
Amoco Production Company 2.	Amoco Production Company 2.	Amoco Production Company 2.7	Amoco Production Company 4.	Amoco Production Company 4.	Amoco Production Company 4.	Amoco Production Company 8.	Amoco Production Company 16.	Amoco Production Company
n 2.7778%	n 2.7778%	7778%	n 4.1667%	on 4.1667%	n 4.1667%	n 8.3333%	on 16.6666%	50%

				16.		15.
·				T26N-R2W, N.M.P.M. Sec. 12: NW1/2		Cont'd.
		-		N.M.P.M.		
				160.00		
10-5-88	7-23-88	2-8-89	6-11-89	8-31-87	11-12-88	11-12-88
May Anna Anderson & Carl T. Anderson (w&h) 4.1667	Thomas S. Schalk & Be June Schalk (h&w)	Frank Kell Cahoon & Lula Jane Seydell 16.6	Melvin D. Rueckhaus & Anna C. Rueckhaus (h&w) 2	Oliver Windale Davis and Ruby Irene Ozanich, Trustees of the Frederick Harold Davis and Sarah Alma Davis Family Trust 25%	W. C. Duncan, II	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%
Carl T. 4.1667%	Betty 8.3333%	Lula 16.6666%	& Anna 25%	and derick rah rust 25%	2.0833%	Trustee under Collins 2.0833%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%	100%	100%
None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	None
			. 8333333333333333333333333333333333333			
Amoco Production Company 4.	Amoco Production Company 8.	Amoco Production Company 16.	Amoco Production Company	Amoco Production Company	Amoco Production Company 2.0	Amoco Production Company 2.0
1667%	.3333%	6666%	25%	25%	.0833%	.0833%

						16. Cont'd.
11-12-88	11-12-88	10-5-88	10-5-88	10-5-88	11-1-88	10-5-88
W. C. Duncan, II	W. C. Duncan, II, as for Mae Bell Duncan the will of William	Cynthia B. Bowmer	Suzanne B. Kay & David G. Kay (w&h) 2.77	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778	Peggy Williamson McCullough 4.1667	Donald C. Ward
2.0833%	Trustee under Collins 2.0833%	2.7778%	id G. 2.7778%	xecutor hn S. e of 2.7778%	ullough 4.1667%	4.1667%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
None 100%	None 100%	None 100%	None 100%	None 100%	None 100%	None 100%
Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 4.1667%	Amoco Production Company 4.1667%

							17. T26N-R2W, N.M.P.M. Sec. 12: SW\(\frac{1}{2}\) Sec. 13: N\(\frac{1}{2}\)N\(\frac{1}{2}\)
							240.00
10-5-88	10-5-88	11-1-88	10-5-88	10-5-88	7-23-88	2-8-89	6-7-89
Suzanne B. Kay & David G. Kay (w&h) 2.7778%	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778%	Peggy Williamson McCullough 4.1667%	Donald C. Ward 4.1667%	May Anna Anderson & Carl T. Anderson (w&h) 4.1667%	Thomas S. Schalk & Betty June Schalk (h&w) 8.3333%	Frank Kell Cahoon & Lula Jane Seydell 16.6666%	William A. Riley & Lois Dawn Riley (h&w) and Lorena A. Riley 50%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%	100%	100%	100%
None	None	None	None	None	None	None	Jeff Wiepking 1.8 Tom Fullerton 1.8 Hunt Walker 1.8 James B. Fullerton 1.8
							1.875% 1.875% 1.875% 1.875%
Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 4.1667%	Amoco Production Company 4.1667%	Amoco Production Company 4.1667%	Amoco Production Company 8.3333%	Amoco Production Company 16.6666%	Amoco Production Company 50%
	Suzanne B. Kay & David G. Amoco Production None Amoco Production Kay (w&h) 2.7778% Company 100% Company 2.	John R. Bowmer, as Executor Amoco Production None of the Estate of John S. Company 100% Company 2.  Bristol & the Estate of Frances C. Bristol 2.7778%  Suzanne B. Kay & David G. Amoco Production None Kay (w&h) 2.7778% Company 100%	Peggy Williamson McCullough 4.1667% Company 4.1667% Company 4.1667% Company 4.1667% Company 4.1667% Company 4.1667% Company 4.  John R. Bowmer, as Executor Amoco Production of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778% Company 8uzanne B. Kay & David G. Amoco Production Company 2.7778% Company 4.  Amoco Production None Amoco Production Company 2.	Donald C. Ward 4.1667% Amoco Production Company 100% None Company 4.  Peggy Williamson McCullough 4.1667% Company 100% None 4.1667% Company 4.  John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778% Company 100% None Suzanne B. Kay & David G. Amoco Production 100% None Company 2.7778% Company 2.	May Anna Anderson & Carl T. Annoco Production Anderson (w&h) Anoco Production Anderson (w&h) Anoco Production Company Anoco Production Peggy Williamson McCullough of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778%  Suzanne B. Kay & David G. Kay (w&h) Anoco Production Company Anoco Production Company Anoco Production 100% None Company 100% Anoco Production 100% None Company 2. Anoco Production Company 2.	Thomas S. Schalk & Betty June Schalk (h&w) 8.3337  May Anna Anderson & Carl T. Anoco Production Anderson (w&h) 4.16677  Donald C. Ward 4.16677  Peggy Williamson McCullough of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.77787  Suzanne B. Kay & David G. Kay (w&h) 2.77787  Anoco Production Company Company Anoco Production	Frank Kell Cahoon & Lula Jane Seydell  16.6666%  Amoco Production  100%  None  Thomas S. Schalk & Betty June Schalk (h&w) 8.3333%  Amoco Production  None  May Anna Anderson & Carl T. Anderson (w&h)  Anderson (w&h)  Anderson McCullough Peggy Williamson McCullough of the Estate of John S. Bristol & Amoco Production Company  2.7778%  Amoco Production Company  2.7778%  Amoco Production Company 2.  Amoco Production Company 2.  Amoco Production Company 2.  Amoco Production Company 2.

				18.		17.
				T26N-R2W, N.M.P.M. Sec. 12: E/2		Cont'd.
				320.00		
	7-2-89	7-25-89	7-7-89	7-7-89	11-12-88	11-12-88
1	Mary Ellen Burns Gonzales 10%	Patricia Ann Burns Hickam 10%	Marie Louise Quarles 40%	E. Patrick Barton, Jr. 10% Andrew W. Barton 10% John Kevin Barton 10% Andrew W. Barton, as Personal Representative of the Estate of Jeffrey Evan Barton, deceased 10%	W. C. Duncan, II 2.0833%	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%
19 -	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%
	Jeff Wiepking .8: Tom Fullerton .8: Hunt Walker .8: James B. Fullerton .8:	Jeff Wiepking .8: Tom Fullerton .8: Hunt Walker .8: James B. Fullerton .8:	Jeff Wiepking 1 Tom Fullerton 1 Hunt Walker 1 James B. Fullerton 1	Jeff Wiepking 1 Tom Fullerton 1 Hunt Walker 1 James B. Fullerton 1	None	None
	.8333% .8333% .8333% .8333%	.8333% .8333% .8333% .8333%	1.875% / 1.875% 1.875% 1.875%	1.875% / 1.875% 1.875% 1.875%		_
Revised 9-8-86	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company 2.0	Amoco Production Company 2.0
	10%	10%	40%	40%	0833%	0833%

								19.
								T26N-R2W, Sec. 13:
								T26N-R2W, N.M.P.M. Sec. 13: S2N2, N2S2
								320.00
10-5-88	10-5-88	11-1-88	10-5-88	10-5-88	7-23-88	7-15-89	2-8-89	9-13-87
Cynthia B. Bowmer	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778	Peggy Williamson McCullough 4.1667	Donald C. Ward	May Anna Anderson & Carl Anderson (w&h) 4.16	Thomas S. Schalk & l June Schalk (h&w)	Milton B. Davis & Ma R. Davis (h&w)	Frank Kell Cahoon & Lula Jane Seydell 16.66	Mercantile National Bank, Trustee for the Catherine Mary Florence Trust 2
2.7778%	Executor ohn S. te of 2.7778%	Cullough 4.1667%	4.1667%	Carl T. 4.1667%	Betty 8.3333%	& Maryetta 12.5%	Lula 16.6666%	Bank, therine 25%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%	100%	100%	100%	100%
None	None	None	None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
						. 83333 83333 83333 83333 8		.3125% .3125% .3125% .3125%
Amoco Production Company 2.7	Amoco Production Company 2.7	Amoco Production Company 4.1	Amoco Production Company 4.1	Amoco Production Company 4.1	Amoco Production Company 8.3	Amoco Production Company	Amoco Production Company 16.6	Amoco Production Company
7778%	7778%	n 4.1667%	n 4.1667%	n 4.1667%	n 8.3333%	12.5%	on 16.6666%	25%

11-12-88	11-12-88	6-27-89	8-7-87	8-3-87	6-11-89	6-27-89	10-5-88
W. C. Duncan, II 2.0833%	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%	Edgar Alfred Boring & Evelyn Boring (h&w) 2.0833%	Harold Adkins & Linda Muriel Adkins (h&w) 2.0833%	Susan Elizabeth Schulze 2.0833%	John C. Robertson & Janice Eugenia Robertson (h&w) 2.0833%	J. W. Jones & Myra Loudene Jones (h&w) 2.0833%	Suzanne B. Kay & David G. Kay (w&h) 2.7778%
Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%
None	None	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	None
Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	33% Amoco Production 33% Company 2.0833% 33%	Amoco Production Company 2.7778%				

				20.		19.
				T26N-R2W, N.M.P.M. Sec. 14: \(\mathbb{W}_2\subseteq \mathbb{W}_3\subseteq \mathbb{W}_3\s		Cont'd.
				P.M. 80.00		
7-18-88	7-18-88	7-18-88	7-18-88	8-31-87	11-18-88	6-11-89
Anita H. Kramer	Letty Carolyn Howard	Robert B. Howard & Shir A. Howard (h&w)	Edward L. Howard & Connie P. Howard (h&w) 12	Frederick Harold Davis, S and Sarah A. Davis (h&w)	U. S. Royalties Corporation .8335	Melvin D. Rueckhaus & A C. Rueckhaus (h&w)
12.5% A	12.5% A	Shirley And 12.5%	5%	Sr. v) 25%	*	Anne A
Amoco Production Company 100%	Kindermac Partners, A Colorado General Partnership 100%	Amoco Production Company 100%				
Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
.3125% .3125% .3125% .3125%	.3125% .3125% .3125% .3125%	.3125% .3125% .3125% .3125%	.3125% .3125% .3125% .3125%	. 83333 83333%		.8333% .83333% .83333%
Amoco Production Company 12.5%	Amoco Production Company 12.5%	Amoco Production 12.5%	Amoco Production Company 12.5%	Amoco Production Company 25%	Kindermac Partners, A Colorado General Partnership .8335%	Amoco Production Company 1.25%

			21.			20.
			T26N-R2W, N.M.P.M. Sec. 14: Stynet			Cont'd.
			80.00			
10-5-88	7-23-88	2-8-89	6-7-89	6-18-89	4-20-87	6-26-87
Donald C. Ward	Thomas S. Schalk & Be June Schalk (h&w)	Frank Kell Cahoon & Lula Jane Seydell 16.66	Teodora Mercure	Augustus P. Loring, III & Elizabeth B. Loring (h&w) 3.125%	Kirby Exploration Company 10.93	Rita Louise Willis & Bank of Oklahoma, NA Co-Trusto of the Rita Louise Willio Trust 10.93
4.1667%	Betty 8.3333%	Lula 16.6666%	50%	[II & (h&w) 3.125%	mpany 10.9375%	Bank Trustees Willis 10.9375%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Kindermac Partners, A Colorado General Partnership 10	Amoco Production Company
100%	100%	100%	100%	100%	cs, cal 100%	100%
None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton		Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
			1.875% 1.875% 1.875% 1.875%			.3125% .3125% .3125% .3125%
Amoco Production Company 4.1	Amoco Production Company 8.3	Amoco Production Company 16.6	Amoco Production Company	Amoco Production Company 3.	Kindermac Partners, A Colorado General Partnership 10.9375%	Amoco Production Company 10.9
1667%	3333%	on 16.6666%	50%	. 125%	3, 31 )375%	9375%

11-12-88	11-12-88	10-5-88	10-5-88	10-5-88	11-1-88	10-5-88
W. C. Duncan, II 2.0833%	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%	Suzanne B. Kay & David G. Kay (w&h) 2.7778%	Cynthia B. Bowmer 2.7778%	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778%	Peggy Williamson McCullough 4.1667%	May Anna Anderson & Carl T. Anderson (w&h) 4.1667%
Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%
None	None	None	None	None	None	None
Amoco Production Company 2.0833%	Amoco Production Company 2.0833%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 2.7778%	Amoco Production Company 4.1667%	Amoco Production Company 4.1667%

					22.
					126N-R2W, N.M.P.M. Sec. 14: NW4, NW4 Figure
				1,20 H	T26N-R2W, N.M.P.M. Sec. 14: NW\(\frac{1}{2}\), NW\(\frac{1}{2}\)NW\(\frac{1}{2}\)NW\(\frac{1}{2}\)NW\(\frac{1}{2}\)
					280.00
Unleased	7-2-89	7-2-89	5-5-89	Unleased	5-26-87
El Paso Natural Gas Co.	Michael A. Milinovich and Anne K. Milinovich (h&w) 6.	Porter Finance Corporation 9.37	A. G. Crumpler	Albert J. Blair, Jr. 15.625%	T. W. Stevenson and Vivian Stevenson (h&w)
6.25%	and 1&w) 6.25%	tion 9.375%	12.5%	5.625%	vian 50%
Unleased	Amoco Production Company	Amoco Production Company	Amoco Production Company	Unleased	Meridian Oil, Inc. 1
100%	100%	100%	100%	100%	c. 100%
100% None	Jeff Wiepking 1.875% Tom Fullerton 1.875% Hunt Walker 1.875% James B. Fullerton 1.875%	Jeff Wiepking 1.875% Tom Fullerton 1.875% Hunt Walker 1.875% James B. Fullerton 1.875%	Jeff Wiepking .8333% Tom Fullerton .8333% Hunt Walker .8333% James B. Fullerton .8333%	None	None
	1.875% 1.875% 1.875% 1.875%	1.875% 1.875% 1.875% 1.875%	.8333% .8333% .8333%		
Unleased	Amoco Production Company	Amoco Production Company	Amoco Production Company	Unleased	Meridian Oil, Inc
6.25%	n 6.25%	n 9.375%	n 12.5%	15.625%	nc. 50%

									23.
									T26N-R2W, N.M.P.M
								NE\SE\	N.M.P.M.
									280.00
10-5-88	10-5-88	10-5-88	11-1-88	10-5-88	10-5-88	7-23-88	10-11-89	2-8-89	Unleased
Cynthia B. Bowmer	Suzanne B. Kay & David G. Kay (w&h) 2.77	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778	Peggy Williamson McCullough 4.1667	Donald C. Ward	May Anna Anderson & Carl T. Anderson (w&h) 4.1667	Thomas S. Schalk & June Schalk (h&w)	The Portales National Bank, as Trustee of the Testamentary Trust created under the Last Will and Testament of W. H. McGrail	Frank Kell Cahoon & Lula Jane Seydell 16.6	A. G. Hill
2.7778%	vid G. 2.7778%	, as Executor of John S. Estate of istol 2.7778%	Cullough 4.1667%	4.1667%	Carl T. 4.1667%	Betty 8.3333%	al Bank, created l and McGrail 12.5%	Lula 16.6666%	37.5%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Unleased
100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
None	None	None	None	None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	None
							. 83333 . 833333 . 83333 . 83333 . 83333 . 83333 . 83333 . 83333 . 83333 . 833		
Amoco Production Company 2.7	Amoco Production Company 2.	Amoco Production Company 2.7	Amoco Production Company 4.	Amoco Production Company 4.	Amoco Production Company 4.	Amoco Production Company 8.	Amoco Production Company	Amoco Production Company 16.	Unleased
,7778%	7778%	,7778%	n 4.1667%	n 4. 1667%	n 4.1667%	n 8. 3333%	12.5%	on 16.6666%	37.5%

				24.		23.
				T26N-R2W, N.M.P.M. Sec. 15: SE\SE\		Cont'd.
				40.00		
7-18-88	7-18-88	7-18-88	7-18-88	8-31-87	11-12-88	11-12-88
Anita H. Kramer 1	Letty Carolyn Howard 1	Robert B. Howard & Shirley A. Howard (h&w) 12.	Edward L. Howard & Connie P. Howard (h&w) 12	Oliver Windale Davis and Ruby Irene Ozanich, Trustees of the Frederick Harold Davis and Sarah Alma Davis Family Trust 2	W. C. Duncan, II 2.0	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%
12.5%	12.5%	rley 12.5%	nie 12.5%	ck 25%	2.0833%	Trustee under Collins 2.0833%
Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Amoco Production Company 100%	Meridian 0i1, Inc. 100%	Amoco Production Company 100%	Amoco Production Company 100%
Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	None	None
.3125% .3125% .3125% .3125%	.3125% .3125% .3125% .3125%	.3125% .3125% .3125% .3125%	.3125% .3125% .3125% .3125%			
Amoco Production Company 12	Amoco Production Company 12	Amoco Production Company 12	Amoco Production Company 12	Meridian Oil, Inc.	Amoco Production Company 2.08	Amoco Production Company 2.0833%
12.5%	12.5%	12.5%	12.5%	25%	2.0833%	333 <b>%</b>

				25.			24.
				T26N-R2W, N.M.P.M. Sec. 15: N2			Cont'd.
				320.00			
10-5-88	10-5-88	7-23-88	2-8-89	8-31-87	6-18-89	4-20-87	6-26-87
Donald C. Ward	May Anna Anderson & Carl Anderson (w&h) 4.1	Thomas S. Schalk & Be	Frank Kell Cahoon & Lula Jane Seydell 16.6	Oliver Windale Davis and Ruby Irene Ozanich, Trustees of the Frederick Harold Davis and Sarah Alma Davis Family Trust 5	Augustus P. Loring, III & Elizabeth B. Loring (h&w)	Kirby Exploration Company 10.93	Rita Louise Willis & Bank of Oklahoma, NA, Co-Trustees of the Rita Louise Willis Trust
4.1667%	arl T. 4.1667%	Betty 8.3333%	Lula 16.6666%	and erick ah ust 50%	II & (h&w) 3.125%	mpany 10.9375%	Bank of ustees Willis 10.9375%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Kindermac Partners, A Colorado General Partnership 10	Amoco Production Company
100%	100%	100%	100%	100%	100%	s, al 100%	100%
None	None	None	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton	None	Jeff Wiepking Tom Fullerton Hunt Walker James B. Fullerton
				. 8333333333333333333333333333333333333			.3125% .3125% .3125% .3125%
Amoco Production Company 4.166	Amoco Production Company 4.166	Amoco Production Company 8.3333%	Amoco Production Company 16.6666%	Amoco Production Company	Amoco Production Company 3.12	Kindermac Partners, A Colorado General Partnership 10.9375%	Amoco Production Company 10.9375%
1667%	1667%	33%	56%	50%	. 125%	75%	75%

Amoco Froduction Company 2.77	Amoco Froduction None Company 100%	of the Estate of John S.	10-5-88	
			•	
Company 4.10	Company 100%	4.1667%		
Amoco Production	Amoco Production None	Peggy Williamson McCullough	25. Cont'd. 11-1-88	25.

11-12-88	11-12-88	10-5-88	10-5-88	10-5-88
W. C. Duncan, II	W. C. Duncan, II, as Trustee for Mae Bell Duncan under the will of William Collins 2.0833%	Cynthia B. Bowmer	Suzanne B. Kay & David G. Kay (w&h) 2.77	John R. Bowmer, as Executor of the Estate of John S. Bristol & the Estate of Frances C. Bristol 2.7778%
2.0833%	Trustee under Collins 2.0833%	2.7778%	id G. 2.7778%	xecutor hn S. e of 2.7778%
Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company	Amoco Production Company
100%	100%	100%	100%	100%
None	None	None	None	None

Amoco Production Company 2.0833%

Amoco Production	Amoco Production	Amoco Production	Amoco Production	Company
Company 2	Company 2	Company 2	Company 2	
ion	ion	ion	ion	4.1667%
2.0833%	2.7778%	2.7778%	2.7778%	

PATENTED TRACTS TOTALING 3,520.00 ACRES OR 73.33% OF UNIT AREA		25	18	
TOTALING 3,520.00 ACRES OR 73.33% OF UNIT		TRACTS	PATENTED	
3,520.00 ACRES OR 73.33% OF UNIT		TOTALING	TRACTS	
3,520.00 ACRES OR 73.33% OF UNIT		4,800.00	TOTALING	
ACRES OR 73.33% OF UNIT		ACRES		
OR 73.33% OF UNIT		IN		
OR 73.33% OF UNIT		TINU	CRES	
73.33% OF UNIT	;		OR.	
TINU		REA	73.33%	
UNIT AREA			OF	
AREA			UNIT	
			AREA	

NOISIVED REVISION DEPOSITE



'90 MAR 29 AM 9 21

#8998

#### **Amoco Production Company**

Southern Division 1670 Broadway P.O. Box 800 Denver, Colorado 80201 303-830-4040

T. D. Autry
Division Production Manager

February 21, 1990

Bureau of Land Management P. O. Box 1449 Santa Fe, NM 87501

New Mexico State Land Office Oil and Gas Development P. O. Box 1148 Santa Fe, NM 87501-1148

Office of District Engineer Bureau of Land Management P. O. Box 959 Farmington, NM 87401

File: LF- 114-414

Gentlemen:

1990 Plan of Development Bear Canyon Unit Rio Arriba County, New Mexico Bureau of Land Management P. O. Box 6770 Albuquerque, NM 87197-6770

Oil Conservation Commission State of New Mexico P. O. Box 2088 Santa Fe, NM 87501-2088

Amoco Production Company, as Unit Operator, submits for your approval, the attached 1990 Plan of Development (POD) for the Bear Canyon Unit. The subject POD proposes the drilling of no new wells in the unit during 1990. The POD has been approved by working interest owners under the terms of the Unit Operating Agreement.

Please direct any questions regarding this correspondence to Leon Thurmon at (303) 830-4920.

T. D. Awty SFR

T. D. Autry

SFR/pas

Attachments

# 1990 Plan of Development Bear Canyon Unit Rio Arriba County, New Mexico

#### 1989 Operations Summary

The Bear Canyon Unit Well No. 5 was drilled and completed in SW/4, SW/4, Section 12, Township 26N, Range 2W in 1989. The well is incapable of producing in paying quantities and will be plugged and abandoned. Additionally, the Bear Canyon Unit Well No. 3 was deepened to develop the Gallup C-Zone reserves. Both items were proposed, and approved, in the 1989 Plan of Development.

#### Production Summary

The total, and 1989, Cum production for each well in the unit follows:

				1989 Cum Produ	ıction	Tota Cum Produ	
<u>Well</u>				MBO	MMCF	<u>MBO</u>	MMCF
BCU No.				116.9	284.7	262.9	311.1
BCU No.				54.9	22.9	139.9	37.8
BCU No.				54.0	42.6	87.7	48.4
BCU No.	5						
BCU No.	8			66.4	201.2	72.3	216.0
Simmons	Fed.	No.	1	45.4	16.4	48.6	17.6

Individual production curves for each well are attached.

### 1990 Proposed Drilling Program

No wells are proposed for drilling in the Bear Canyon Unit in 1990.

INDOVINI TROUDO ION DAIA RAIMI

GENID: 5W077179

LOCATION: 15G26N 2W

RESERVOIR: MK

218,307 50,693

COMP DATE: 87 09

TOT, OIL CUM: TOT, GAS CUM:

FIRST PROD

LAST PROD 89 06

COUNTY: RIO ARRIBA

039

STATE: NM

OPERATOR: AMOCO PRODUCTION CO

FIELD: GAVILAN MANCOS

BEAR CANYON UNIT

000001

MK 008030374 019922

CUM OIL PROD - BBLS 1990-02-15 PERCENT BSW GROSS WATER PROD - BNPD IN FSIG 50 - CFPØ GROSS GAS PROD 1000 GOR GROSS OIL PROD 1250 FIRST PROD FIELD: GAVILAN MANCOS REQUESTOR: MCGILLIV-M122 STATE: NM 30 OPERATOR: AMOCO PRODUCTION CO WELL: BEAR CANYON UNIT 144 322 100 267 376 TYDOUTAL TRODUCTION DAIA RAITH INT DLO 393 374 LAST PROD 89 06 363 254 302 296 243 COUNTY: RIO ARRIBA 104 242 257 000002 160 MK 008030374 019922 LOCATION: DENVER HIME H COMP DATE: 88 02 RESERVOIR: MK LOCATION: 10C26N 2W TOT. GAS CUM: TOT. OIL CUM: 128,186 32,282 REPORT NUMBER 321 GENID: 5W086112

CUM OIL PROD - BBLS 100000 1990-02-15 MAJOR PRODUCT GROSS WATER PROD - BWPD 100 GROSS GAS PROD - MCFD 100 GROSS OIL PROD 80PD 1000 5000 265 27 0 222 211 235 231 133 161 159 167 TIME

REPORT NUMBER 321

MK 003030374 RESERVOIR: MK LOCATION: 11L26N 2W API NO: 300390000000 GENID: 5WOB2430

000003

55,028 27,373

REQUESTOR: MCGILLIV-M122

LOCATION: DENVER

FIRST PROD STATE: NM 30

LAST PROD 89 06

COUNTY: RIO ARRIBA

039

019922

OPERATOR: AMOCO PRODUCTION CO

FIELD: GAVILAN MANCOS WELL: BEAR CANYON UNIT

COMP DATE: 88 05 TOT. GAS CUM: TOT. OIL CUM:

INDUSTRY PRODUCTION DATA RATE-TIME PLOTS GENID: 5WOB3566

- -0

IN PSIG

- CFPB 1250

2500

GOR

REQUESTOR: MCGILLIV-M122 FIRST PROD STATE: NM 30

WELL: BEAR CANYON UNIT FIELD: GAVILAN MANCOS OPERATOR: AMOCO PRODUCTION CO 000004

MK 008030374 019922

COUNTY: RIO ARRIBA

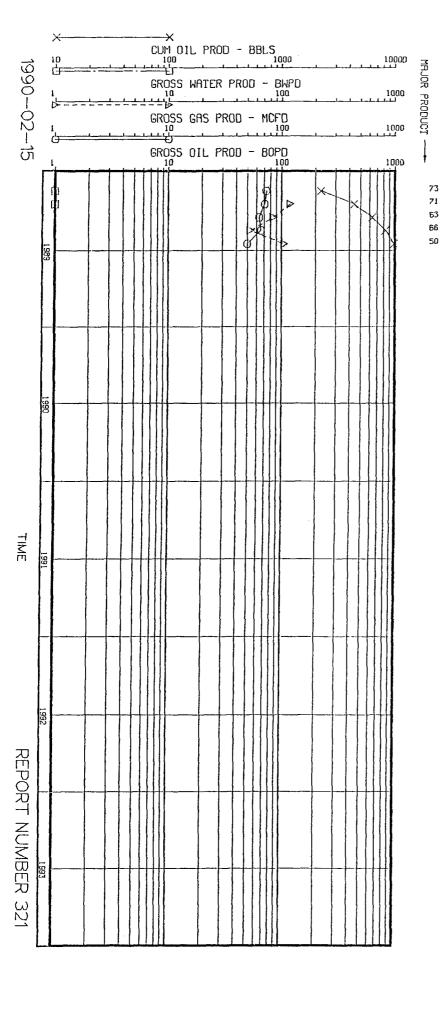
LAST PROD 89 06

RESERVOIR: MK LOCATION: 2M26N 2W

COMP DATE: 89 02

TOT. GAS CUM: TOT. OIL CUM: 9,815 11,015

LOCATION: DENVER



CUM DIL PROD - BBLS 100000 MAJOR PRODUCT PERCENT BSW 0 50 GROSS WATER PROD - BWPD 100 ---IN PSIG GROSS GAS PROD - MCFD PS 50 → CFPB 2500 GOR 10000 100 GROSS OIL PROD BOPD 5000 44 206 261 239 264 世紀年 モアモニ ガー ラニン・チェス

INDUSTRY PRODUCTION DATA RATE-TIME PLOTS

FIELD: GAVILAN MANCOS

BEAR CANYON UNIT

800000

MK 008030374 019922

OPERATOR: AMOCO PRODUCTION CO

API NO: 300390000000 GENID: 5W0B3568 LOCATION: 14K26N 2W

LOCATION: 14K26N 2W RESERVOIR: MK

COMP DATE: 89 02

TOT. OIL CUM: 30,853
TOT. GAS CUM: 79,000

LOCATION: DENVER PER

REQUESTOR: MCGILLIV-M122

STATE: NM 30 FIRST PROD

LAST PROD 89 06

COUNTY: RIO ARRIBA

039

CUM OIL PROD - BBLS 100000 1000 MAJOR PRODUCT 1990-02-15 PERCENT BSW GROSS WATER PROD - BWPD IN PSIG GROSS GAS PROD GOR - CFPB 0 500 - BOPD 1000 1000 155 158 140 148 TIME REPORT NUMBER 321

INDUSTRY PRODUCTION DATA RATE-TIME PLOT

LOCATION: 3F26N 2W GENID: 5W0B3567

WELL: SIMMONS FEDERAL FIELD: GAVILAN MANCOS

OPERATOR: AMOCO PRODUCTION CO

REQUESTOR: MCGILLIV-M122

FIRST PROD STATE: NM 30

LAST PROD 89 06

COUNTY: RIO ARRIBA

039

MK 008030374

COMP DATE: 89 02 RESERVOIR: MK

TOT. GAS CUM: TOT. OIL CUM: 18,255 5,452

LOCATION: DENVER



PROD. WELLS

2500

STATE: NM 30 OPERATOR: AMOCO PRODUCTION CO

COUNTY: RIO ARRIBA

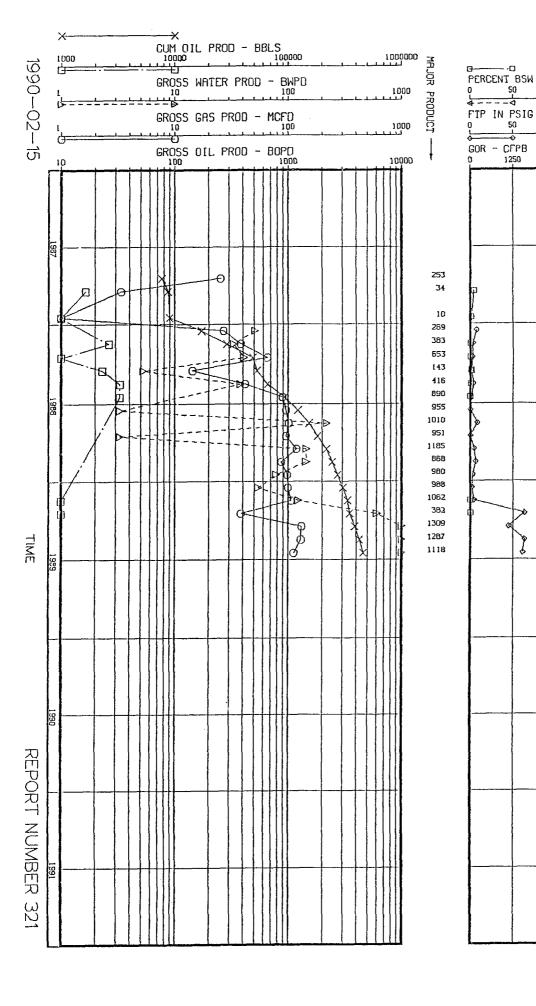
LAST PROD 89 06

FIRST PROD

COMP DATE:

TOT. OIL CUM:

TOT. GAS CUM: 460,444 205,815



Bureau of Land Management Minerals Division 435 Montano NE Albuquerque, NM 87107



APR 2 8 1987

Bear Canyon (UA) 3180 (O15)

Amoco Production Company ATTN: Doug Broadfoot P.O. Box 800 Denver, CO 80201

Gentlemen:

An approved copy of the Bear Canyon Unit Agreement, Rio Arriba County, New Mexico is enclosed. The Agreement has been assigned No. 14-08-0001-19597 and is effective the same date as approved.

You are requested to furnish all interested principles with appropriate evidence of this approval.

If you have any questions, please contact Robert Kent at the above address or call (505) 761-4503.

Sincerely,

(Orig. Signed) - GARY A. STEPHENS

For District Manager

Enclosure

CC: NMOCD NM-943C NM-016

015:RKent:klm:4-27-87:3028M



Robert B. Wilson Division Land Manager



September 24, 1987

United States Department of the Interior Bureau of Land Management 435 Montano N.E. Albuquerque, NM 87107

Attention: Mr. Gary Stephens

State of New Mexico Oil Conservation Division Box 2088 Santa Fe, NM 87504

Attention: Mr. Michael Stogner

Gentlemen:

Bear Canyon Unit Federal No. 14-08-0001-19597 NMOCD Case No. 8998 (OCD Order No. R-8350) Township 26 North, Range 2 West, N.M.P.M. (Part) Rio Arriba County, New Mexico

Amoco Production Company is currently completing the Bear Canyon Unit Well No. 1 (NE/4 Section 15-T26N-R2W) as a commercial oil discovery. This well has been drilled in accordance with Article 9. <u>Drilling to Discovery</u> of the Bear Canyon Unit Agreement, which was approved effective April 28, 1987.

We are currently permitting the following two new well locations in the Bear Canyon Unit area:

- 1. Bear Canyon Unit Well No. 2
   T26N, R2W, N.M.P.M.
   Section 10: 1830' FWL x 990' FNL
- 2. Bear Canyon Unit Well No. 3
  T26N, R2W, N.M.P.M.
  Section 11: 1650' FWL x 1650' FSL

Bear Canyon Unit September 24, 1987 Page 2

Amoco hereby requests your office approve the drilling of these two wells before we file our plan of development as required under Article 10. Plan of Further Development and Operation of the Unit Agreement. We hope to commence drilling the Bear Canyon Unit Well No. 2 and possibly the Bear Canyon Unit Well No. 3 (weather permitting) before November 1, 1987. A Plan of Development for calendar year 1988 will be submitted for approval on or before March 1, 1988.

Please notify the undersigned in writing at your earliest convenience if you are willing to approve the drilling of the aforementioned wells at this time. If you have any questions, feel free to call at area code (303) 830-4899.

Thank you for considering this request.

Very truly yours,

buylas Broadfoot

Landman

DEB/lmm

cc:

Meridian Oil Inc. 3535 East 30th Street P. O. Box 4289 Farmington, NM 87499

Attn: Mr. A. E. Alexander District Land Mgr.

Dugan Production Corporation 709 Bloomfield Road P. O. Box 208 Farmington, NM 87499-0208

Attn: Mr. Richard Corcoran Landman Hixon Development Company P. O. Box 2810 Farmington, NM 87499

Attn: Mr. Aldrich L. Kuchera President

Jerome P. McHugh & Associates 650 South Cherry Suite 1225 Denver, CO 80222

Attn: Mr. Kent C. Craig Landman Bear Canyon Unit September 24, 1987 Page 3

Roberts & Murphy, Inc. P. O. Box 7125 Shreveport, LA 71107

Attn: Mr. Brad Cummings Landman

LTR961

## UnitSource INCORPORATED

BRAD W. HENTSCHEL PAUL S. CONNER BONITA L. LIMPUS UNITIZATION # 8998

September 6, 1988

The Oil Conservation Division of New Mexico P O Box 2088 Sante Fe, New Mexico 87504-2088

RE: Application for the Initial Gallup Participating Area "A" for the Bear Canyon Unit Area, Rio Arriba County, New Mexico

Diffetter Vait

#### Gentlemen:

Enclosed for your review and approval please find two (2) copies of the application for a participating area for the above referenced unit area. If you require further data please feel free to contact me and I see that you are provided with the additional materials.

Very truly yours,

UNITSOURCE INCORPORATED

Paul S. Conner

enclosure