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1	NGPADAT2.XLS Various dates	Spreadsheets	8 sheets, include NFPA Prices from 1/84 thru 12/88
2	NGPADAT3.XLS	Methology Jicarilla Apache	Draft-Major Portion and Dual Accounting Analysis dtd 10/21/97/
3	NGPADAT4.XLS	Spreadsheets	4 sheets of Major Portion prices January 1988 thru December 1988
4	Ngpada5.xls	Spreadsheets	36 sheets of Major Portion prices January 1984 thru December 1988 to incl. Weighted Average Pricing Calculations for Temporary Price Reduction Periods
5	NM9095.XLS	Spreadsheet & Graph	All New Mexico NYMES & Price Differentials
6	OKLA190.XLS	Spreadsheets	31 sheets on Dual accounting Example without plan efficiency Factor dtd from Jan-90 thru Oct-96 w/dual accounting calculation summary Lease 503-006916-0
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NGPA PRICES 1/84 THROUGH 12/88

	102	102+tax	103b1 new gas	103+tax	104 post 74	104+tax post 74	104 73/74 Bien	104+tax 73/74 Bien	Replac. small 104R	104+tax small replacemei	flowing small 104F	104+tax small flowing	105	105+tax	108 stripper	108+tax	109 other	109+tax
Jan-84	3.586	3.636000	2.849	2.899000	2.359	2.409000	1.997	2.047000	1.120	1.170000	0.566	0.616000	1.120	1.170000	3.841	3.891000	2.359	2.409000
Feb-84	3.609	3.659000	2.859	2.909000	2.367	2.417000	2.004	2.054000	1.124	1.174000	0.568	0.618000	1.124	1.174000	3.866	3.916000	2.367	2.417000
Mar-84	3.632	3.682000	2.869	2.919000	2.375	2.425000	2.011	2.061000	1.128	1.178000	0.570	0.620000	1.128	1.178000	3.891	3.941000	2.375	2.425000
Apr-84	3.656	3.706000	2.879	2.929000	2.383	2.433000	2.018	2.068000	1.132	1.182000	0.572	0.622000	1.132	1.182000	3.916	3.966000	2.383	2.433000
May-84	3.680	3.730000	2.889	2.939000	2.391	2.441000	2.025	2.075000	1.136	1.186000	0.574	0.624000	1.136	1.186000	3.942	3.992000	2.391	2.441000
Jun-84	3.705	3.755000	2.899	2.949000	2.399	2.449000	2.032	2.082000	1.140	1.190000	0.576	0.626000	1.140	1.190000	3.968	4.018000	2.399	2.449000
Jul-84	3.730	3.780000	2.909	2.959000	2.407	2.457000	2.039	2.089000	1.144	1.194000	0.578	0.628000	1.144	1.194000	3.994	4.044000	2.409	2.459000
Aug-84	3.752	3.802000	2.917	2.967000	2.414	2.464000	2.045	2.095000	1.147	1.197000	0.580	0.630000	1.147	1.197000	4.018	4.068000	2.414	2.464000
Sep-84	3.774	3.824000	2.925	2.975000	2.421	2.471000	2.051	2.101000	1.150	1.200000	0.582	0.632000	1.150	1.200000	4.042	4.092000	2.421	2.471000
Oct-84	3.797	3.847000	2.933	2.983000	2.428	2.478000	2.057	2.107000	1.153	1.203000	0.584	0.634000	1.153	1.203000	4.066	4.116000	2.428	2.478000
Nov-84	3.821	3.871000	2.942	2.992000	2.436	2.486000	2.063	2.113000	1.157	1.207000	0.586	0.636000	1.157	1.207000	4.092	4.142000	2.436	2.486000
Dec-84	3.845	3.895000	2.951	3.001000	2.444	2.494000	2.069	2.119000	1.161	1.211000	0.588	0.638000	1.161	1.211000	4.118	4.168000	2.444	2.494000
Jan-85	3.869	3.919000	2.960	3.010000	2.452	2.502000	2.075	2.125000	1.165	1.215000	0.590	0.640000	1.165	1.215000	4.144	4.194000	2.452	2.502000
Feb-85	3.890	3.940000	2.966	3.016000	2.457	2.507000	2.079	2.129000	1.167	1.217000	0.591	0.641000	1.167	1.217000	4.166	4.216000	2.457	2.507000
Mar-85	3.911	3.961000	2.972	3.022000	2.462	2.512000	2.083	2.133000	1.169	1.219000	0.592	0.642000	1.169	1.219000	4.188	4.238000	2.462	2.512000
Apr-85	3.932	3.982000	2.978	3.028000	2.467	2.517000	2.087	2.137000	1.172	1.222000	0.593	0.643000	1.172	1.222000	4.210	4.260000	2.467	2.517000
May-85	3.962	4.012000	2.991	3.041000	2.478	2.528000	2.096	2.146000	1.177	1.227000	0.596	0.646000	1.177	1.227000	4.242	4.292000	2.478	2.528000
Jun-85	3.992	4.216650	3.004	3.185425	2.489	2.647894	2.105	2.247094	1.182	1.283713	0.599	0.675206	1.182	1.283713	4.274	4.510988	2.409	2.564394
Jul-85	4.022	4.247963	3.017	3.198994	2.500	2.659375	2.114	2.256488	1.187	1.288931	0.602	0.678338	1.187	1.288931	4.306	4.544388	2.500	2.659375
Aug-85	4.045	4.271969	3.024	3.206300	2.506	2.665638	2.119	2.261706	1.190	1.292063	0.603	0.679381	1.190	1.292063	4.330	4.569438	2.506	2.665638
Sep-85	4.068	4.295975	3.031	3.213606	2.512	2.671900	2.124	2.266925	1.193	1.295194	0.604	0.680425	1.193	1.295194	4.354	4.594488	2.512	2.671900
Oct-85	4.091	4.319981	3.038	3.220913	2.518	2.678163	2.129	2.272144	1.196	1.298325	0.605	0.681469	1.196	1.298325	4.379	4.620581	2.518	2.678163
Nov-85	4.116	4.346075	3.047	3.230306	2.525	2.685469	2.135	2.278406	1.199	1.301456	0.607	0.683556	1.199	1.301456	4.405	4.647719	2.525	2.685469
Dec-85	4.141	4.372169	3.056	3.239700	2.532	2.692775	2.141	2.284669	1.202	1.304588	0.609	0.685644	1.202	1.304588	4.432	4.675900	2.532	2.692775
Jan-86	4.166	4.398263	3.065	3.249094	2.539	2.700081	2.147	2.290931	1.205	1.307719	0.611	0.687731	1.205	1.307719	4.459	4.704081	2.539	2.700081
Feb-86	4.191	4.430957	3.074	3.263329	2.546	2.711397	2.153	2.300585	1.208	1.312753	0.613	0.690784	1.208	1.312753	4.486	4.739328	2.546	2.711397
Mar-86	4.216	4.457090	3.083	3.272737	2.553	2.718715	2.159	2.306857	1.211	1.315889	0.615	0.692875	1.211	1.315889	4.513	4.767552	2.553	2.718715
Apr-86	4.241	4.483223	3.092	3.282145	2.560	2.726032	2.165	2.313129	1.214	1.319025	0.617	0.694966	1.214	1.319025	4.540	4.795776	2.560	2.726032
May-86	4.264	4.507266	3.099	3.289462	2.566	2.732304	2.170	2.318355	1.217	1.322161	0.618	0.696011	1.217	1.322161	4.565	4.821909	2.566	2.732304
Jun-86	4.287	4.531308	3.106	3.296779	2.572	2.738576	2.175	2.323582	1.220	1.325297	0.619	0.697056	1.220	1.325297	4.590	4.848042	2.572	2.738576
Jul-86	4.310	4.555351	3.113	3.304097	2.578	2.744848	2.180	2.328809	1.223	1.328432	0.620	0.698102	1.223	1.328432	4.615	4.874175	2.578	2.744848
Aug-86	4.332	4.578348	3.119	3.310369	2.583	2.750074	2.184	2.332990	1.225	1.330523	0.621	0.699147	1.225	1.330523	4.639	4.899263	2.583	2.750074
Sep-86	4.354	4.601345	3.125	3.316641	2.588	2.755301	2.188	2.337171	1.227	1.332614	0.622	0.700192	1.227	1.332614	4.663	4.924350	2.588	2.755301
Oct-86	4.376	4.624342	3.131	3.322913	2.593	2.760528	2.192	2.341352	1.229	1.334704	0.623	0.701237	1.229	1.334704	4.687	4.949438	2.593	2.760528
Nov-86	4.403	4.652566	3.141	3.333366	2.601	2.768890	2.199	2.348670	1.233	1.338886	0.625	0.703328	1.233	1.338886	4.716	4.979753	2.601	2.768890
Dec-86	4.431	4.681835	3.151	3.343819	2.609	2.777253	2.206	2.355987	1.237	1.343067	0.627	0.705419	1.237	1.343067	4.746	5.011112	2.609	2.777253
Jan-87	4.459	4.711104	3.161	3.354272	2.617	2.785616	2.213	2.363304	1.241	1.347248	0.629	0.707509	1.241	1.347248	4.776	5.042472	2.617	2.785616
Feb-87	4.478	4.734884	3.164	3.360177	2.620	2.791044	2.215	2.367333	1.242	1.349380	0.630	0.709106	1.242	1.349380	4.796	5.067575	2.620	2.791044
Mar-87	4.497	4.754761	3.167	3.363315	2.623	2.794183	2.217	2.369425	1.243	1.350427	0.631	0.710152	1.243	1.350427	4.816	5.088499	2.623	2.794183
Apr-87	4.516	4.774639	3.170	3.366454	2.626	2.797321	2.219	2.371518	1.244	1.351473	0.632	0.711198	1.244	1.351473	4.836	5.109423	2.626	2.797321
May-87	4.544	4.803933	3.180	3.376916	2.634	2.805691	2.226	2.378841	1.248	1.355658	0.634	0.713291	1.248	1.355658	4.866	5.140809	2.634	2.805691
Jun-87	4.572	4.833226	3.190	3.387378	2.642	2.814060	2.233	2.386165	1.252	1.359842	0.636	0.715383	1.252	1.359842	4.896	5.172195	2.642	2.814060

NGPA PRICES 1/84 THROUGH 12/88

	102	102+tax	103b1 new gas	103+tax	104 post 74	104+tax post 74	104 73/74 Bien	104+tax 73/74 Bien	Replac. small 104R	104+tax small replacemei	flowing small 104F	104+tax small flowing	105	105+tax	108 stripper	108+tax	109 other	109+tax
Jul-87	4.600	4.862520	3.200	3.397840	2.650	2.822430	2.240	2.393488	1.256	1.364027	0.638	0.717476	1.256	1.364027	4.926	5.203581	2.650	2.822430
Aug-87	4.630	4.893906	3.210	3.408302	2.659	2.831846	2.247	2.400811	1.260	1.368212	0.640	0.719568	1.260	1.368212	4.958	5.237060	2.659	2.831846
Sep-87	4.660	4.925292	3.220	3.418764	2.668	2.841262	2.254	2.408135	1.264	1.372397	0.642	0.721660	1.264	1.372397	4.990	5.270538	2.668	2.841262
Oct-87	4.690	4.956678	3.231	3.430272	2.677	2.850677	2.261	2.415458	1.268	1.376582	0.644	0.723753	1.268	1.376582	5.022	5.304016	2.677	2.850677
Nov-87	4.715	4.982833	3.238	3.437596	2.683	2.856955	2.266	2.420689	1.271	1.379720	0.645	0.724799	1.271	1.379720	5.049	5.332264	2.683	2.856955
Dec-87	4.740	5.008988	3.245	3.444919	2.689	2.863232	2.271	2.425920	1.274	1.382859	0.646	0.725845	1.274	1.382859	5.076	5.360511	2.689	2.863232
Jan-88	4.765	5.035143	3.252	3.452242	2.695	2.869509	2.276	2.431151	1.277	1.385997	0.647	0.726891	1.277	1.385997	5.103	5.388759	2.695	2.869509
Feb-88	4.792	5.071357	3.260	3.466032	2.701	2.880277	2.281	2.440174	1.280	1.391264	0.649	0.730063	1.280	1.391264	5.131	5.426582	2.701	2.880277
Mar-88	4.819	5.099649	3.268	3.474415	2.707	2.886564	2.286	2.445414	1.283	1.394408	0.651	0.732158	1.283	1.394408	5.160	5.456971	2.707	2.886564
Apr-88	4.846	5.127942	3.276	3.482798	2.713	2.892851	2.291	2.450653	1.286	1.397551	0.653	0.734254	1.286	1.397551	5.189	5.487359	2.713	2.892851
May-88	4.872	5.155186	3.283	3.490133	2.719	2.899138	2.296	2.455892	1.289	1.400695	0.654	0.735302	1.289	1.400695	5.217	5.516699	2.719	2.899138
Jun-88	4.898	5.182431	3.290	3.497468	2.725	2.905425	2.301	2.461132	1.292	1.403838	0.655	0.736350	1.292	1.403838	5.245	5.546039	2.725	2.905425
Jul-88	4.924	5.209675	3.297	3.504803	2.731	2.911712	2.306	2.466371	1.295	1.406982	0.656	0.737398	1.295	1.406982	5.273	5.575379	2.731	2.911712
Aug-88	4.957	5.244254	3.309	3.517377	2.741	2.922191	2.314	2.474754	1.300	1.412221	0.658	0.739494	1.300	1.412221	5.308	5.612054	2.741	2.922191
Sep-88	4.990	5.278834	3.321	3.529951	2.751	2.932670	2.322	2.483137	1.305	1.417461	0.660	0.741589	1.305	1.417461	5.343	5.648729	2.751	2.932670
Oct-88	5.023	5.313413	3.333	3.542526	2.761	2.943148	2.330	2.491520	1.310	1.422700	0.662	0.743685	1.310	1.422700	5.379	5.686452	2.761	2.943148
Nov-88	5.058	5.350089	3.345	3.555100	2.771	2.953627	2.339	2.500950	1.315	1.427939	0.664	0.745781	1.315	1.427939	5.416	5.725223	2.771	2.953627
Dec-88	5.093	5.386764	3.358	3.568722	2.781	2.964106	2.348	2.510381	1.320	1.433179	0.666	0.747876	1.320	1.433179	5.453	5.763994	2.781	2.964106

FOOTNOTES FOR MAJOR PORTION PRICING CALCULATION 1989 THROUGH 1995

(1) EL PASO STRATA VOLUME TIMES EL PASO PRICE
(2) NW STRATA VOLUME TIMES NW PRICE
(3) EL PASO VALUE PLUS NW VALUE DIVIDED BY TOTAL STRATA VOLUMES

B VALUE ESTIMATE OF RESERVES FROM THE JICARILLA STRATA SETTLEMENT FIGURES

C JICARILLA STRATA ESTIMATE VALUE OF THE RESERVES AT A 10% NET PRESENT VALUE DISCOUNT.

D STRATA ESTIMATE FOR EACH YEAR AT THE 10% NET PRESENT VALUE DISCOUNT.
TIMES THE PERCENTAGE OF SETTLEMENT 87.0714%
(EXAMPLE 1989. 1938255 X 0.870714 = 1687666)

STRATA VALUE AMOUNT	16,907,964
SETTLEMENT VALUE	14,722,000
PERCENTAGE DIFFERENCE	0.870714

E NET PRESENT VALUE DISCOUNT
COLUMN C DIVIDED BY COLUMN B
ACTUAL AMOUNT RECEIVED DIVIDED BY THE STRATA 100% ESTIMATE.

F STRATA NGPA ESTIMATE PRICE FROM THE JICARILLA STRATA SUMMARY REPORT AND VALUE ESTIMATE

G SETTLED PRICE
STRATA NGPA ESTIMATE PRICE TIMES THE NET PRESENT VALUE DISCOUNT
COLUMN E

H SETTLED PRICE AMOUNT PLUS THE ACTUAL MARKET OUT PRICE RECEIVED.
(EXAMPLE: 1989 102 SETTLED AMOUNT 3.583692 + MARKET OUT 1.227 = PRICE RECEIVED 4.810692

FOOTNOTES FOR MAJOR PORTION PRICES

(1) JANUARY 1984 THROUGH DECEMBER 1986 PRICES ARE MAXIMUM LAWFUL PRICES PLUS TAX REIMBURSEMENT.

TAX REIMBURSEMENT ARE CALCULATED AS FOLLOWS:

DATE	SEVERANCE TAX PER MMBTU	PRIVILAGE TAX 87.5% OF VALUE
JANUARY 1984 THROUGH MAY 1985	$0.05	
6/1/85 THROUGH 1/31/86	$0.05	5.000%
2/1/86 THROUGH 1/31/87	$0.05	5.180%
2/1/87 THROUGH 1/31/88	$0.05	5.280%
2/1/88 THROUGH 12/31/88	$0.05	5.470%

(2) JANUARY 1987 THROUGH JUNE 1988 WEIGHTED AVERAGE OF MAXIMUM LAWFUL PRICES PLUS TAX REIMBURSEMENTS AND CONTRACT AMENDMENT PRICES.

(3) JULY 1988 THROUGH DECEMBER 1988 PRICES ARE MAXIMUM LAWFUL PRICES PLUS TAX REIMBURSEMENT.

(4) JANUARY 1989 THROUGH JUNE 1995 PRICES ARE JICARILLA CONTRACT PRICES INCLUDING SETTLEMENT.

Fraud Examiners Manual

2003 Edition

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Aug-87	1.87461	1.179	1.59
Sep-87	1.97955	1.245	1.59
Oct-87	1.99227	1.253	1.59
Nov-87			1.59
Dec-87			1.59

104		104	104	104
POST 74 PRICE	SPOT	POST 74 DIFF	73/74 PRICE	73/74 DIFF
2.881	1.73	1.151	2.432	0.702
2.969	1.82	1.149	2.506	0.686
3.091	1.91	1.181	2.608	0.698
3.217	2.01	1.207	2.715	0.705
3.349	2.11	1.239	2.826	0.716
3.487	2.22	1.267	2.942	0.722
3.63	2.34	1.29	3.062	0.722

EL PASO 2/88	6367098	0.35
NORTHWEST 2/88	11722107	0.65
TOTAL	18089205	

		M/O PRICE	102 +TAX	ELPASO	NW	102 w/a	103 +TAX	ELPASO	NW	103 w/a	104REP SMALL +TAX	ELPASO	NW	RS 104 w/a	104FL SMALL +TAX	ELPASO	NW	SF 104 w/a	RS 105 w/a	107 +TAX	ELPASO	NW	107 w/a	108 STRIPPER +TAX	EL
E	Jan-87	2.5000	4.711104	15917745.00	39319135.29	3.053583	3.354272	15917745.00	39319135.29	3.053583	1.347248	########	########	1.752997	0.707509	########	########	1.338436	1.607611	6.659	########	########	5.195	5.042472	##
E	Feb-87	2.5000	4.734884	15917745.00	39388354.33	3.057409	3.360177	15917745.00	39388354.33	3.057409	1.349380	########	########	1.754379	0.709106	########	########	1.339471	1.609261	6.670	########	########	5.202	5.067575	##
E	Mar-87	2.5000	4.754761	15917745.00	39425138.30	3.059443	3.363315	15917745.00	39425138.30	3.059443	1.350427	########	########	1.755057	0.710152	########	########	1.340149	1.610072	6.677	########	########	5.207	5.088499	##
E	Apr-87	2.5000	4.774639	15917745.00	39461934.00	3.061477	3.366454	15917745.00	39461934.00	3.061477	1.351473	########	########	1.755735	0.711198	########	########	1.340826	1.610882	6.683	########	########	5.211	5.109423	##
E	May-87	2.5000	4.803933	15917745.00	39584570.68	3.068256	3.376916	15917745.00	39584570.68	3.068256	1.355658	########	########	1.758447	0.713291	########	########	1.342183	1.614121	6.704	########	########	5.224	5.140809	##
E	Jun-87	2.5000	4.833226	15917745.00	39707207.37	3.075036	3.387378	15917745.00	39707207.37	3.075036	1.359842	########	########	1.761159	0.715383	########	########	1.343538	1.617360	6.725	########	########	5.238	5.172195	##
N	Jul-87	1.5900	4.862520	21634380.27	18638150.13	2.226329	3.397840	21634380.27	18638150.13	2.226329	1.364027			1.364027	0.717476			0.717476	1.364027	6.746	########	########	3.405	5.203581	##
N	Aug-87	1.5900	4.893906	21700992.85	18638150.13	2.230012	3.408302	21700992.85	18638150.13	2.230012	1.368212			1.368212	0.719568			0.719568	1.368212	6.767	########	########	3.412	5.237060	##
N	Sep-87	1.5900	4.925292	21767605.43	18638150.13	2.233694	3.418764	21767605.43	18638150.13	2.233694	1.372397			1.372397	0.721660			0.721660	1.372397	6.788	########	########	3.419	5.270538	##
N	Oct-87	1.5900	4.956678	21840877.99	18638150.13	2.237745	3.430272	21840877.99	18638150.13	2.237745	1.376582			1.376582	0.723753			0.723753	1.376582	6.811	########	########	3.428	5.304016	##
N	Nov-87	1.5900	4.982833	21887510.62	18638150.13	2.240323	3.437596	21887510.62	18638150.13	2.240323	1.379720			1.379720	0.724799			0.724799	1.379720	6.825	########	########	3.433	5.332264	##
N	Dec-87	1.5900	5.008988	21934136.88	18638150.13	2.242901	3.444919	21934136.88	18638150.13	2.242901	1.382859			1.382859	0.725845			0.725845	1.382859	6.840	########	########	3.438	5.360511	##
N	Jan-88	1.5900	5.035143	21980763.13	18638150.13	2.245478	3.452242	21980763.13	18638150.13	2.245478	1.385997			1.385997	0.726891			0.726891	1.385997	6.854	########	########	3.443	5.388759	##
N	Feb-88	1.4950	5.071357	22068565.42	17524549.97	2.188770	3.466032	22068565.42	17524549.97	2.188770	1.391264			1.391264	0.730063			0.730063	1.391264	6.882	########	########	3.391	5.426582	##
N	Mar-88	1.4950	5.099649	22121940.80	17524549.97	2.191721	3.474415	22121940.80	17524549.97	2.191721	1.394408			1.394408	0.732158			0.732158	1.394408	6.899	########	########	3.397	5.456971	##
N	Apr-88	1.2420	5.127942	22175316.18	14558856.89	2.030723	3.482798	22175316.18	14558856.89	2.030723	1.397551			1.397551	0.734254			0.734254	1.397551	6.916	########	########	3.239	5.487359	##
N	May-88	1.2420	5.155186	22222018.84	14558856.89	2.033305	3.490133	22222018.84	14558856.89	2.033305	1.400695			1.400695	0.735302			0.735302	1.400695	6.930	########	########	3.244	5.516699	##
N	Jun-88	1.2415	5.182431	22268721.51	14552995.84	2.035563	3.497468	22268721.51	14552995.84	2.035563	1.403838			1.403838	0.736350			0.736350	1.403838	6.945	########	########	3.249	5.546039	##

18008.00	0.77
5254.00	0.23
23262.00	

WEIGHTED AVERAGE PRICING CALCULATION FOR THE MARKET OUT PERIOD

EL PASO STRATA VOLUME	6367098	0.35
NORTHWEST STRATA VOLUME	11722107	0.65
TOTAL VOLUME	18089205	

		MARKET OUT PRICE	102 +TAX	(1) 102 ELPASO VALUE	(2) 102 NW VALUE	102 W/A	103 +TAX	103 ELPASO VALUE	103 NW VALUE	103 W/A	104 POST 74 +TAX	104P74 ELPASO VALUE	104P74 NW VALUE	104P74 W/A	104 73/74 BIEN +TAX	104 73/74 ELPASO VALUE	104 73/74 NW VALUE	104 73/74 W/A	104REP SMALL +TAX	104REP ELPASO VALUE	104REP NW VALUE	RS 104 w/a
E	Jan-87	2.5000	4.711104	15917745	39319135	3.053583	3.354272	15917745	39319135	3.053583	2.785616	15917745	32653289	2.685084	2.363304	15917745	27702902	2.411419	1.347248	15917745	15792585	1.752997
E	Feb-87	2.5000	4.734884	15917745	39388354	3.057409	3.360177	15917745	39388354	3.057409	2.791044	15917745	32716916	2.688601	2.367333	15917745	27750131	2.414030	1.349380	15917745	15817577	1.754379
E	Mar-87	2.5000	4.754761	15917745	39425138	3.059443	3.363315	15917745	39425138	3.059443	2.794183	15917745	32753712	2.690635	2.369425	15917745	27774653	2.415385	1.350427	15917745	15829850	1.755057
E	Apr-87	2.5000	4.774639	15917745	39461934	3.061477	3.366454	15917745	39461934	3.061477	2.797321	15917745	32790496	2.692669	2.371518	15917745	27799188	2.416742	1.351473	15917745	15842111	1.755735
E	May-87	2.5000	4.803933	15917745	39584571	3.068256	3.376916	15917745	39584571	3.068256	2.805691	15917745	32888610	2.698093	2.378841	15917745	27885029	2.421487	1.355658	15917745	15891168	1.758447
E	Jun-87	2.5000	4.833226	15917745	39707207	3.075036	3.387378	15917745	39707207	3.075036	2.814060	15917745	32986712	2.703516	2.386165	15917745	27970881	2.426233	1.359842	15917745	15940213	1.761159
N	Jul-87	1.5900	4.862520	21634380	18638150	2.226329	3.397840	21634380	18638150	2.226329	2.822430	17970688	18638150	2.023795	2.393488	15239573	18638150	1.872814	1.364027			1.364027
N	Aug-87	1.5900	4.893906	21700993	18638150	2.230012	3.408302	21700993	18638150	2.230012	2.831846	18030641	18638150	2.027109	2.400811	15286199	18638150	1.875392	1.368212			1.368212
N	Sep-87	1.5900	4.925292	21767605	18638150	2.233694	3.418764	21767605	18638150	2.233694	2.841262	18090594	18638150	2.030423	2.408135	15332832	18638150	1.877970	1.372397			1.372397
N	Oct-87	1.5900	4.956678	21840878	18638150	2.237745	3.430272	21840878	18638150	2.237745	2.850677	18150540	18638150	2.033737	2.415458	15379458	18638150	1.880547	1.376582			1.376582
N	Nov-87	1.5900	4.982833	21887511	18638150	2.240323	3.437596	21887511	18638150	2.240323	2.856955	18190512	18638150	2.035947	2.420689	15412764	18638150	1.882389	1.379720			1.379720
N	Dec-87	1.5900	5.008988	21934137	18638150	2.242901	3.444919	21934137	18638150	2.242901	2.863232	18230479	18638150	2.038156	2.425920	15446070	18638150	1.884230	1.382859			1.382859
N	Jan-88	1.5900	5.035143	21980763	18638150	2.245478	3.452242	21980763	18638150	2.245478	2.869509	18270445	18638150	2.040366	2.431151	15479377	18638150	1.886071	1.385997			1.385997
N	Feb-88	1.4950	5.071357	22068565	17524550	2.188770	3.466032	22068565	17524550	2.188770	2.880277	18339006	17524550	1.982594	2.440174	15536827	17524550	1.827685	1.391264			1.391264
N	Mar-88	1.4950	5.099649	22121941	17524550	2.191721	3.474415	22121941	17524550	2.191721	2.886564	18379036	17524550	1.984807	2.445414	15570191	17524550	1.829530	1.394408			1.394408
N	Apr-88	1.2420	5.127942	22175316	14558857	2.030723	3.482798	22175316	14558857	2.030723	2.892851	18419066	14558857	1.823072	2.450653	15603548	14558857	1.667426	1.397551			1.397551
N	May-88	1.2420	5.155186	22222019	14558857	2.033305	3.490133	22222019	14558857	2.033305	2.899138	18459096	14558857	1.825285	2.455892	15636905	14558857	1.669270	1.400695			1.400695
N	Jun-88	1.2415	5.182431	22268722	14552996	2.035563	3.497468	22268722	14552996	2.035563	2.905425	18499126	14552996	1.827174	2.461132	15670269	14552996	1.670790	1.403838			1.403838

			104FL SMALL +TAX	104FL ELPASO VALUE	104FL NW VALUE	104FL W/A	105 W/A	108 STRIPPER +TAX	108 ELPASO VALUE	108 NW VALUE	108 W/A	109 OTHER +TAX	109 ELPASO VALUE	109 NW VALUE	109 W/A
E	Jan-87	2.5000	0.707509	15917745	8293496	1.338436	1.607611	5.042472	15917745	59108396	4.147564	2.785616	15917745	32653289	2.685084
E	Feb-87	2.5000	0.709106	15917745	8312216	1.339471	1.609261	5.067575	15917745	59402656	4.163831	2.791044	15917745	32716916	2.688601
E	Mar-87	2.5000	0.710152	15917745	8324478	1.340149	1.610072	5.088499	15917745	59647930	4.177391	2.794183	15917745	15829850	1.755057
E	Apr-87	2.5000	0.711198	15917745	8336739	1.340826	1.610882	5.109423	15917745	59893203	4.190950	2.797321	15917745	15842111	1.755735
E	May-87	2.5000	0.713291	15917745	8361273	1.342183	1.614121	5.140809	15917745	60261113	4.211288	2.805691	15917745	15891168	1.758447
E	Jun-87	2.5000	0.715383	15917745	8385796	1.343538	1.617360	5.172195	15917745	60629023	4.231627	2.814060	15917745	15940213	1.761159
N	Jul-87	1.5900	0.717476			0.717476	1.364027	5.203581	33131710	18638150	2.861920	2.822430	17970688	18638150	2.023795
N	Aug-87	1.5900	0.719568			0.719568	1.368212	5.237060	33344874	18638150	2.873704	2.831846	18030641	18638150	2.027109
N	Sep-87	1.5900	0.721660			0.721660	1.372397	5.270538	33558032	18638150	2.885488	2.841262	18090594	18638150	2.030423
N	Oct-87	1.5900	0.723753			0.723753	1.376582	5.304016	33771190	18638150	2.897272	2.850677	18150540	18638150	2.033737
N	Nov-87	1.5900	0.724799			0.724799	1.379720	5.332264	33951047	18638150	2.907214	2.856955	18190512	18638150	2.035947
N	Dec-87	1.5900	0.725845			0.725845	1.382859	5.360511	34130899	18638150	2.917157	2.863232	18230479	18638150	2.038156
N	Jan-88	1.5900	0.726891			0.726891	1.385997	5.388759	34310757	18638150	2.927100	2.869509	18270445	18638150	2.040366
N	Feb-88	1.4950	0.730063			0.730063	1.391264	5.426582	34551579	17524550	2.878851	2.880277	18339006	17524550	1.982594
N	Mar-88	1.4950	0.732158			0.732158	1.394408	5.456971	34745069	17524550	2.889548	2.886564	18379036	17524550	1.984807
N	Apr-88	1.2420	0.734254			0.734254	1.397551	5.487359	34938553	14558857	2.736295	2.892851	18419066	14558857	1.823072
N	May-88	1.2420	0.735302			0.735302	1.400695	5.516699	35125363	14558857	2.746623	2.899138	18459096	14558857	1.825285
N	Jun-88	1.2415	0.736350			0.736350	1.403838	5.546039	35312174	14552996	2.756626	2.905425	18499126	14552996	1.827174

(1) EL PASO STRATA VOLUME TIMES THE EL PASO PRICE 102 OR MARKET OUT
(2) NW STRATA VOLUME TIMES THE NW PRICE 102 OR MARKET OUT

2

DRAFT - FOR REVIEW ONLY

10/21/97

METHODOLOGY FOR MAJOR PORTION AND DUAL ACCOUNTING ANALYSIS JICARILLA APACHE TRIBAL LEASES

Purpose

This report provides a background and describes the proposed methodology to be used in the major portion and dual accounting analyses that will be performed by the Royalty Valuation Division (RVD), Minerals Management Service (MMS), concerning natural gas produced from Jicarilla Apache Tribal leases.

Background

On December 6, 1996, representatives of the Jicarilla Apache Tribe (Jicarilla's) and MMS met to discuss the implementation of major portion pricing for the natural gas produced from the Jicarilla Reservation. From July 1, 1975, to June 30, 1995, the Jicarilla's sold gas under royalty-in-kind (RIK) agreements. Until 1989, gas was bought by either the Northwest Pipeline Corporation (Northwest) or the El Paso Natural Gas Company (El Paso) under long-term contracts. In 1989, the Jicarilla's entered into contract settlements with El Paso and Northwest, thus, allowing the companies to pay market prices rather than the Natural Gas Policy Act (NGPA) ceiling prices.

On May 28, 1997, representatives of the Jicarilla's and MMS met in Dallas, Texas to discuss the implementation of the major portion and dual accounting analysis. MMS presented a proposal to the Jicarilla's that MMS would issue orders to perform major portion based on NGPA prices for each payor's applicable category of gas rather than calculating a bundled median value based on all of the RIK sales data. The Jicarilla's concurred with this approach. The Jicarilla's also concurred that the orders should include dual accounting.

On June 17, 1997, representatives of the Jicarilla's and MMS met to review the contract settlements, sources of data, pricing data, and combined major portion/dual accounting order to perform.

The RVD will use the Auditing and Financial System (AFS) database to determine prices paid by those payors who paid in-value and to determine that the RIK prices represent the major portion price. The RVD will review the responses to the September 29, 1995, Dear Payor letter and will issue orders to dual account and pay royalties on major portion prices. For those companies who stated that they performed dual accounting, RVD will compare prices paid by the payors who paid in-value to the calculated major portion prices to determine that orders should be issued. RVD will issue orders to those payors who paid in value requiring payments on the higher of gross proceeds prices or major portion prices

for any under payments plus interest. The orders will require dual accounting based on the higher of these prices.

Regulatory Criteria

The oil and gas valuation regulations found at 30 CFR 206 (1987), have long required that the "estimated reasonable value" of production be used for the purposes of computing royalties. Due consideration is given to the highest price paid for a part or for a major portion of gas of like quality in the same field, to the price received by the lessee, to posted prices, and to other relevant matters. Title 25 CFR 211 (Indian tribal) and the terms of the Jicarilla leases also specify that the value may, at the discretion of the Secretary of the Interior, be calculated on the basis of the highest price paid or offered at the time of production for the major portion of gas and/or natural gasoline and/or all other hydrocarbon substances produced and sold from the field where the leased lands are located.

The amended valuation regulations at 30 CFR §§ 206.172 and 206.173 (1996) address the issue of major portion for Indian lands. Specifically, the regulations provide:

> For any Indian leases which provide that the Secretary may consider the highest price paid or offered for a major portion of production (major portion) in determining value of production for royalty purposes, if data are available to compute a major portion MMS will, where practicable, compare the value determined in accordance with this section with the major portion. The value to be used in determining the value of production for royalty purposes shall be the higher of those two values.

For natural gas, these regulations specify that a major portion price is determined for a particular quality of gas in the same field (or, if necessary, to obtain a reasonable sample from the same area). For this study, the Jicarilla's specified the Reservation boundary as the area. Like-quality gas is gas of similar physical, chemical, and legal characteristics. Legal characteristics are generally the applicable NGPA category or subcategory and the regulated or deregulated status of the gas.

The price associated with the volume that causes the cumulative volume, summed beginning with the volume associated with the highest price (lowest price beginning March 1, 1988) to exceed 50 percent plus 1 Mcf of the total sales volume is deemed to be the major portion price. Approximately two-thirds of the Jicarilla production was sold under the RIK program at established NGPA pricing or at a contract price established between the purchasers and the Jicarilla's. The Jicarilla RIK volumes represented well over 50% of the total volumes and therefore the Jicarilla price was equated to the majority price.

Dual accounting requirements are specified by Indian lease terms, Federal regulations, and MMS instructions. Federal regulations at 25 CFR §§ 211.13 (1996) and 212.16 (1996) state:

> **In determining the value for royalty purposes of products, such as natural gasoline, that are derived from treatment of gas, a reasonable allowance for the cost of manufacture shall be made, such allowance to be two-thirds of the value of the marketable product unless otherwise determined by the Secretary of the Interior on application of the lessee or on his own initiative, and that royalty will be computed on the value of gas or casinghead gas, or on the products thereof (such as residue gas, natural gasoline, propane, butane, etc.), whichever is the greater [Emphasis added.]**

Dual accounting is defined as a valuation method that compares the value of the gas prior to processing, as determined under 30 CFR § 206.152 (1996), to the value of that same gas after processing (the combined values of the residue gas and gas plant products), as determined under 30 CFR § 206.153 (1996). Where the specific provisions of a lease are inconsistent with these regulations, then the lease agreement shall govern to the extent of that inconsistency.

Major Portion Methodology

Under the agreement reached between the MMS and Jicarilla representatives, the major portion methodology will identify the prices paid under contracts and settlement agreements and calculate the estimated major portion by NGPA category for all gas production in the Jicarilla Reservation utilizing RIK data for the time period January 1984 through June 1995. The following key issues were agreed to by RVD and the Jicarilla's at the December 6 and June 17 meetings:

- **RVD will consider the Reservation as the "area" for calculating the major portion pricing.**
- **For the purpose of implementing the major portion pricing, RVD will assume that the production volumes equal the sales volumes from the Reservation.**
- **The price received for the RIK portion of the gas represents 1/8 royalty share. The RVD will extrapolate the 1/8 royalty share to the entire 8/8 production and assume that the value for the 1/8 royalty share is representative of the prices received for the other portion of the gas sold from the Reservation.[1]**
- **RVD will analyze a sample of Jicarilla settlement statements from Northwest and El Paso and certify that the Jicarilla's received the proper NGPA prices.**

[1] Approximately 2/3 of the 1/8 royalty share was sold under RIK contracts.

- **The RVD will send orders to the non-RIK payors only.**

The NGPA Category

The major portion analysis will include the time period beginning 1984, RVD will identify gas values by NGPA category for periods prior to the 1989 settlements. In the post-settlement period, RVD will identify the settlement price by NGPA category. In the orders that RVD will send to the non-RIK payors, we will provide gas value by NGPA category and request that the payor identify the NGPA category of their gas, and time periods for which the company was a payor between **January 1984 and June 1995.**

The January 1984 through December 1988 prices are based on the NGPA prices plus tax reimbursements received by the Jicarilla Apache and are shown by NGPA category by month. Starting in January 1989, the major portion prices are based on the prices received under the Jicarilla Apache RIK contract plus contract settlements and are shown by NGPA category by month.

Definition of Field or Area

The majority of the Reservation is in Rio Arriba County with a small portion extending into Sandoval County. The Reservation lies along the eastern edge of the San Juan Basin, New Mexico. Gas production is from the Pictured Cliffs Formation, Mesaverde Group, Gallup, Tocito, and fractured Mancos Formations, and the Dakota and Dakota-Morrison Formations. The Fruitland Formation produces methane primarily from coals (Fruitland Coal). During the meeting between MMS and the Jicarilla's it was agreed to use the Reservation boundary as the major portion area.

Calculation of Estimated Major Portion Values

The major portion calculation has been divided into four time periods :

- **Period 1:NGPA pricing was in effect for both pipelines.**
- **Period 2:Both pipelines had negotiated reduced prices for a 6 - 12 month time period.**
- **Period 3:NGPA pricing was in effect for both pipelines**
- **Period 4:Northwest negotiated a buy out of their contract and El Paso negotiated a buy down of their contract.**

The time periods and effective prices are shown below:

TABLE 1

Period	Time Period	El Paso Price	Northwest Price
1	1984-1986	NGPA & Tax Reimbursement	NGPA & Tax Reimbursement
2	January 1987 - June 1987	$2.50	NGPA & Tax Reimbursement
2	July 1987 - June 1988	NGPA & Tax Reimbursement	Contract Negotiated Price
3	July 1988 - December 1988	NGPA & Tax Reimbursement	NGPA & Tax Reimbursement
3	January 1989 - June 1989	NGPA & Tax Reimbursement; Contract Buy down 7/89	Contract Buy out - 2/89
4	July 1989 - December 1989	$1.227 + buy down which equaled net present value discount for NGPA prices	
4	1990	$1.276 + buy down which equaled net present value discount for NGPA prices	
4	1991	$1.327 + buy down which equaled net present value discount for NGPA prices	
4	1992	$1.380 + buy down which equaled net present value discount for NGPA prices	
4	1993	$1.435 + buy down which equaled net present value discount for NGPA prices	
4	1994	$1.493 + buy down which equaled net	

		present value discount for NGPA prices settlement allocation per NGPA category	
4	1995	$1.553 + buy down which equaled net present value discount for NGPA prices	

TABLE 2

Date	Severance Tax (Per MMBtu)	Privilege Tax (87.5% of Value)
1/1/84 through 5/30/85	$0.05	
6/1/85 through 1/31/86	$0.05	5.00%
2/1/86 through 1/31/87	$0.05	5.18%
2/1/87 through 1/31/88	$0.05	5.28%
2/1/88 through 12/31/88	$0.05	5.47%

Major portion prices were determined by prices received under the RIK contract. After the contract settlement major portion prices were determined by adding the settlement proceeds by NGPA category to the actual prices received to determine the total consideration received under the RIK contract for each NGPA category. Documents provided in support of the RIK contract settlements proceeds provided detailed information on the settlement monies revieved for each NGPA categories. These amounts were used to determine the major portion prices by category.

The orders will cite the requirement that royalty be based on the higher of the major portion value or gross proceeds accruing to the lessee as well as the requirement to perform dual accounting. Sales by affiliates may provide information concerning gross proceeds to the lessee and the appropriate benchmark value in some situations and thus may be considered in determining royalty values.

Dual Accounting Calculation

Dual accounting requirements are specified by Indian lease terms and Federal regulations found at 25 CFR § 211.13 (1996) which state:

> In determining the value for royalty purposes of products, such as natural gasoline, that are derived from treatment of gas, a reasonable allowance for the cost of manufacture shall be made, such allowance to be two-thirds of the value of the marketable product unless otherwise determined by the Secretary of the Interior on application of the lessee or on his own initiative, and that royalty will be computed on the value of gas or casinghead gas, or on the products thereof (such as residue gas, natural gasoline, propane, butane, etc.), whichever is the greater [Emphasis added.]

Dual accounting is defined as a valuation method that requires the lessee to compute royalties based on the greater of : (1) the value of the gas prior to processing (as determined under 30 CFR § 206.172 (1996)), or (2) the combined value of the residue gas and gas plant products resulting from processing the gas (as determined under 30 CFR § 206.173 (1996)), plus the value of any condensate recovered downstream of the point of royalty settlement without resorting to processing (30 CFR § 206.52(1996)). However, the value of production can never be less than the gross proceeds accruing to the lease (30 CFR §§ 206.172(h) and 206.173(h) (1996)) . After March 1, 1988, if royalties are paid pursuant to the processed gas valuation method, the requirements to submit appropriate allowance forms prior to claiming transportation and/or processing allowances must be met. (See 30 CFR §§ 206.176 through 206.179 (1996)).

RVD reviewed comparable contracts for the sales of natural gas liquids (NGLP's). RVD determined that the comparable contract price for NGLP's for the reservation was the average Mt. Belview, Texas spot market prices. The orders will require the calculations for liquids be based on the higher of the gross proceeds price received for liquids or the average Mt. Belview spot market price.

Data Retrieval

During September 1996, AFS data as reported on Form MMS-2014, was extracted from the AFS database, processed and downloaded to a Microsoft Access table on the RVD Local Area Network. The criteria for extracting this data were: (1) all AFS data reported under Fund Code 550 (the fund code for the Jicarilla Reservation); (2) the product codes of 03 (residue gas) and 04 (unprocessed gas); and (3) the transaction codes of 01 (royalty) and 11 (transportation allowance).

Data Processing

Once extracted from the AFS database, the information was processed by a program that removed adjustments to previously submitted information. This program first sorted the

database by lease, product code, revenue source, selling arrangement, sales year, sales month, royalty quantity, and royalty value. The program then identified all negative (adjusted) royalty quantities and values and searched for a matching positive line. If a match was found, both the positive and negative lines were removed. Next, those negative lines without a matching positive (indicative of misreporting) were written to an error file and removed from further processing.

The next operation performed on the data was to determine major portion prices. We calculated MMBtu prices by adjusting for the quality of the gas.

A problem encountered in the data was that some records did not have a reported gas quality or bad a Btu content that was not within a reasonable range. Option included removing those records, using the quality last reported for the lease, or assuming a quality. After analyzing this problem, we decided that given our manpower restrictions and obvious misreporting from the payors, the best option was to calculate a gas quality from the data available. We determined the 1996 average quality reported on the Form 3160 for all Jicarilla leases and calculated the range reported on all Jicarilla leases. We used the average Btu reported on the Form 3160 for each lease for all 04 lines submitted that did not report a quality or reported a quality outside of the average range.

Major Portion Value Calculation

Upon completion of processing, the database for the Jicarilla Reservation contained 47,463 records. In addition, MMS did not properly require the purchaser's of RIK production to report those sales on the MMS-2014, so RVD had to manually add the RIK sales data to the major portion calculation. MMS extracted AFS database lines for each month and arrayed lines by MMBtu price from highest price to lowest price (at the bottom). RVD then determined the amount of RIK production sold from the Jicarilla purchase statements by month and determined an average MMBtu price. RVD calculated that price at which 50 percent (by volume) plus 1 mcf of the gas (starting from the bottom) is sold. Our review indicated that 66% of the royalty production was sold as RIK therefore, the major portion prices were always the equivalent of the RIK values.

Conclusion

Our review of the major portion values calcuated from data reported to MMS on the Form MMS-2014 and the data reported to the Jicarilla's of the RIK purchase statements shows that they are reasonable prices paid for a major portion of like-quality production sold from the Jicarilla Reservation. The use of these major portion values enforces the major portion price requirements found in the lease terms and upholds our trust reponsiblity to the Jicarilla's.

RVD plans to send orders to 40 companies after the Jicarilla's concur with our major portion methodology. The Jicarilla's have entered global settlement agreements with Conoco,

Columbus Energy, and Jerome McHugh and will not issue orders to these companies.

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MAJOR PORTION PRICES JANUARY 1984 THROUGH DECEMBER 1988

($/MMBtu)

Date	102 New Gas	103 New Onshore	104 Post 1974	104 1973/1974 Biennium	104 Replace-ment	104 (1) Flowing	105 Existing Intrastate	108 Stripper	109 Other	Note
Jan-84	$ 3.636	$ 2.899	$ 2.409	$ 2.047	$ 1.170	$ 0.616	$ 1.170	$ 3.891	$ 2.409	(2)
Feb-84	$ 3.659	$ 2.909	$ 2.417	$ 2.054	$ 1.174	$ 0.618	$ 1.174	$ 3.916	$ 2.417	(2)
Mar-84	$ 3.682	$ 2.919	$ 2.425	$ 2.061	$ 1.178	$ 0.620	$ 1.178	$ 3.941	$ 2.425	(2)
Apr-84	$ 3.706	$ 2.929	$ 2.433	$ 2.068	$ 1.182	$ 0.622	$ 1.182	$ 3.966	$ 2.433	(2)
May-84	$ 3.730	$ 2.939	$ 2.441	$ 2.075	$ 1.186	$ 0.624	$ 1.186	$ 3.992	$ 2.441	(2)
Jun-84	$ 3.755	$ 2.949	$ 2.449	$ 2.082	$ 1.190	$ 0.626	$ 1.190	$ 4.018	$ 2.449	(2)
Jul-84	$ 3.780	$ 2.959	$ 2.457	$ 2.089	$ 1.194	$ 0.628	$ 1.194	$ 4.044	$ 2.459	(2)
Aug-84	$ 3.802	$ 2.967	$ 2.464	$ 2.095	$ 1.197	$ 0.630	$ 1.197	$ 4.068	$ 2.464	(2)
Sep-84	$ 3.824	$ 2.975	$ 2.471	$ 2.101	$ 1.200	$ 0.632	$ 1.200	$ 4.092	$ 2.471	(2)
Oct-84	$ 3.847	$ 2.983	$ 2.478	$ 2.107	$ 1.203	$ 0.634	$ 1.203	$ 4.116	$ 2.478	(2)
Nov-84	$ 3.871	$ 2.992	$ 2.486	$ 2.113	$ 1.207	$ 0.636	$ 1.207	$ 4.142	$ 2.486	(2)
Dec-84	$ 3.895	$ 3.001	$ 2.494	$ 2.119	$ 1.211	$ 0.638	$ 1.211	$ 4.168	$ 2.494	(2)
Jan-85	$ 3.919	$ 3.010	$ 2.502	$ 2.125	$ 1.215	$ 0.640	$ 1.215	$ 4.194	$ 2.502	(2)
Feb-85	$ 3.940	$ 3.016	$ 2.507	$ 2.129	$ 1.217	$ 0.641	$ 1.217	$ 4.216	$ 2.507	(2)
Mar-85	$ 3.961	$ 3.022	$ 2.512	$ 2.133	$ 1.219	$ 0.642	$ 1.219	$ 4.238	$ 2.512	(2)
Apr-85	$ 3.982	$ 3.028	$ 2.517	$ 2.137	$ 1.222	$ 0.643	$ 1.222	$ 4.260	$ 2.517	(2)
May-85	$ 4.012	$ 3.041	$ 2.528	$ 2.146	$ 1.227	$ 0.646	$ 1.227	$ 4.292	$ 2.528	(2)
Jun-85	$ 4.217	$ 3.185	$ 2.648	$ 2.247	$ 1.284	$ 0.675	$ 1.284	$ 4.511	$ 2.564	(2)
Jul-85	$ 4.248	$ 3.199	$ 2.659	$ 2.256	$ 1.289	$ 0.678	$ 1.289	$ 4.544	$ 2.659	(2)
Aug-85	$ 4.272	$ 3.206	$ 2.666	$ 2.262	$ 1.292	$ 0.679	$ 1.292	$ 4.569	$ 2.666	(2)
Sep-85	$ 4.296	$ 3.214	$ 2.672	$ 2.267	$ 1.295	$ 0.680	$ 1.295	$ 4.594	$ 2.672	(2)
Oct-85	$ 4.320	$ 3.221	$ 2.678	$ 2.272	$ 1.298	$ 0.681	$ 1.298	$ 4.621	$ 2.678	(2)
Nov-85	$ 4.346	$ 3.230	$ 2.685	$ 2.278	$ 1.301	$ 0.684	$ 1.301	$ 4.648	$ 2.685	(2)
Dec-85	$ 4.372	$ 3.240	$ 2.693	$ 2.285	$ 1.305	$ 0.686	$ 1.305	$ 4.676	$ 2.693	(2)
Jan-86	$ 4.398	$ 3.249	$ 2.700	$ 2.291	$ 1.308	$ 0.688	$ 1.308	$ 4.704	$ 2.700	(2)
Feb-86	$ 4.431	$ 3.263	$ 2.685	$ 2.301	$ 1.313	$ 0.691	$ 1.313	$ 4.739	$ 2.711	(2)
Mar-86	$ 4.457	$ 3.273	$ 2.689	$ 2.307	$ 1.316	$ 0.693	$ 1.316	$ 4.768	$ 2.719	(2)
Apr-86	$ 4.483	$ 3.282	$ 2.691	$ 2.313	$ 1.319	$ 0.695	$ 1.319	$ 4.796	$ 2.726	(2)
May-86	$ 4.507	$ 3.289	$ 2.693	$ 2.318	$ 1.322	$ 0.696	$ 1.322	$ 4.822	$ 2.732	(2)
Jun-86	$ 4.531	$ 3.297	$ 2.698	$ 2.324	$ 1.325	$ 0.697	$ 1.325	$ 4.848	$ 2.739	(2)
Jul-86	$ 4.555	$ 3.304	$ 2.704	$ 2.329	$ 1.328	$ 0.698	$ 1.328	$ 4.874	$ 2.745	(2)
Aug-86	$ 4.578	$ 3.310	$ 2.024	$ 2.333	$ 1.331	$ 0.699	$ 1.331	$ 4.899	$ 2.750	(2)
Sep-86	$ 4.601	$ 3.317	$ 2.027	$ 2.337	$ 1.333	$ 0.700	$ 1.333	$ 4.924	$ 2.755	(2)
Oct-86	$ 4.624	$ 3.323	$ 2.030	$ 2.341	$ 1.335	$ 0.701	$ 1.335	$ 4.949	$ 2.761	(2)
Nov-86	$ 4.653	$ 3.333	$ 2.034	$ 2.349	$ 1.339	$ 0.703	$ 1.339	$ 4.980	$ 2.769	(2)
Dec-86	$ 4.682	$ 3.344	$ 2.036	$ 2.356	$ 1.343	$ 0.705	$ 1.343	$ 5.011	$ 2.777	(2)
Date	102 New Gas	103 New Onshore	104 Post 1974	104 1973/1974 Biennium	104 Replace-ment	104 (1) Flowing	105 Existing Intrastate	108 Stripper	109 Other	Note

Jan-87	$ 3.933	$ 3.054	$ 2.685	$ 2.411	$ 1.753	$ 1.338	$ 1.753	$ 4.148	$ 2.685	(2)
Feb-87	$ 3.948	$ 3.057	$ 2.689	$ 2.414	$ 1.754	$ 1.339	$ 1.754	$ 4.164	$ 2.689	(2)
Mar-87	$ 3.961	$ 3.059	$ 2.691	$ 2.415	$ 1.755	$ 1.340	$ 1.755	$ 4.177	$ 1.755	(2)
Apr-87	$ 3.974	$ 3.061	$ 2.693	$ 2.417	$ 1.756	$ 1.341	$ 1.756	$ 4.191	$ 1.756	(2)
May-87	$ 3.993	$ 3.068	$ 2.698	$ 2.421	$ 1.758	$ 1.342	$ 1.758	$ 4.211	$ 1.758	(2)
Jun-87	$ 4.012	$ 3.075	$ 2.704	$ 2.426	$ 1.761	$ 1.344	$ 1.761	$ 4.232	$ 1.761	(2)
Jul-87	$ 2.742	$ 2.226	$ 2.024	$ 1.873	$ 1.364	$ 0.717	$ 1.364	$ 2.862	$ 2.024	(2)
Aug-87	$ 2.753	$ 2.230	$ 2.027	$ 1.875	$ 1.368	$ 0.720	$ 1.368	$ 2.874	$ 2.027	(2)
Sep-87	$ 2.764	$ 2.234	$ 2.030	$ 1.878	$ 1.372	$ 0.722	$ 1.372	$ 2.885	$ 2.030	(2)
Oct-87	$ 2.775	$ 2.238	$ 2.034	$ 1.881	$ 1.377	$ 0.724	$ 1.377	$ 2.897	$ 2.034	(2)
Nov-87	$ 2.784	$ 2.240	$ 2.036	$ 1.882	$ 1.380	$ 0.725	$ 1.380	$ 2.907	$ 2.036	(2)
Dec-87	$ 2.793	$ 2.243	$ 2.038	$ 1.884	$ 1.383	$ 0.726	$ 1.383	$ 2.917	$ 2.038	(2)
Jan-88	$ 2.803	$ 2.245	$ 2.040	$ 1.886	$ 1.386	$ 0.727	$ 1.386	$ 2.927	$ 2.040	(3)
Feb-88	$ 2.754	$ 2.189	$ 1.983	$ 1.828	$ 1.391	$ 0.730	$ 1.391	$ 2.879	$ 1.983	(3)
Mar-88	$ 2.764	$ 2.192	$ 1.985	$ 1.830	$ 1.394	$ 0.732	$ 1.394	$ 2.890	$ 1.985	(3)
Apr-88	$ 2.610	$ 2.031	$ 1.823	$ 1.667	$ 1.398	$ 0.734	$ 1.398	$ 2.736	$ 1.823	(3)
May-88	$ 2.619	$ 2.033	$ 1.825	$ 1.669	$ 1.401	$ 0.735	$ 1.401	$ 2.747	$ 1.825	(3)
Jun-88	$ 2.629	$ 2.036	$ 1.827	$ 1.671	$ 1.404	$ 0.736	$ 1.404	$ 2.757	$ 1.827	(3)
Jul-88	$ 5.210	$ 3.505	$ 2.912	$ 2.466	$ 1.407	$ 0.737	$ 1.407	$ 5.575	$ 2.912	(4)
Aug-88	$ 5.244	$ 3.517	$ 2.922	$ 2.475	$ 1.412	$ 0.739	$ 1.412	$ 5.612	$ 2.922	(4)
Sep-88	$ 5.279	$ 3.530	$ 2.933	$ 2.483	$ 1.417	$ 0.742	$ 1.417	$ 5.649	$ 2.933	(4)
Oct-88	$ 5.313	$ 3.543	$ 2.943	$ 2.492	$ 1.423	$ 0.744	$ 1.423	$ 5.686	$ 2.943	(4)
Nov-88	$ 5.350	$ 3.555	$ 2.954	$ 2.501	$ 1.428	$ 0.746	$ 1.428	$ 5.725	$ 2.954	(4)
Dec-88	$ 5.387	$ 3.569	$ 2.964	$ 2.510	$ 1.433	$ 0.748	$ 1.433	$ 5.764	$ 2.964	(4)

MAJOR PORTION PRICES JANUARY 1989 THROUGH JUNE 1995

($/MMBtu)

Date	102 New Gas	103 New Onshore	104 Post 1974	104 1973/1974 Biennium	104 Replace-ment	104 (1) Flowing	105 Existing Intrastate	108 Stripper	109 Other	Note
1989	$ 4.362	$ 2.969	$ 2.545	$ 2.216	$ 1.595	$ 1.553	$ 1.553	$ 4.639	$ 2.528	(5)
1990	$ 4.437	$ 2.975	$ 2.552	$ 2.240	$ 1.667	$ 1.629	$ 1.629	$ 4.712	$ 2.551	(5)
1991	$ 4.515	$ 2.981	$ 2.574	$ 2.278	$ 1.743	$ 1.705	$ 1.705	$ 4.786	$ 2.576	(5)
1992	$ 4.596	$ 2.996	$ 2.603	$ 2.324	$ 1.826	$ 1.788	$ 1.788	$ 4.863	$ 2.609	(5)
1993	$ 4.678	$ 3.017	$ 2.639	$ 2.374	$ 1.910	$ 1.872	$ 1.872	$ 4.942	$ 2.648	(5)
1994	$ 4.764	$ 3.047	$ 2.684	$ 2.432	$ 2.001	$ 1.964	$ 1.964	$ 5.025	$ 2.694	(5)
1995	$ 4.856	$ 3.087	$ 2.737	$ 2.499	$ 2.099	$ 2.063	$ 2.063	$ 5.113	$ 2.750	(5)

FOOTNOTES FOR MAJOR PORTION PRICES

(1) Also the price for Certain Rocky Mountain Gas - Large Producer

(2) January 1984 through December 1986 prices are Maximum Lawful Price plus Tax Reimbursements (See below)

(3) January 1987 through June 1988 Weighted Average of Maximum Lawful Prices plus Tax Reimbursements (See Below) and Contract Amendment Prices.

(4) July 1988 through December 1988 prices are Maximum Lawful Prices plus Tax Reimbursement (See Below).

(5) January 1989 through June 1995 prices are Jicarilla contract prices including settlement

Tax Reimbursements are calculated as shown below:

DATE	Severance Tax per MMBtu	Privilege Tax 87.5% of Value
1/1/84 through 5/31/85	$0.05	
6/1/85 through 1/31/86	$0.05	5.000%
2/1/86 through 1/31/87	$0.05	5.180%
2/1/87 through 1/31/88	$0.05	5.280%
2/1/88 through 12/31/88	$0.05	5.470%

MAJOR PORTION PRICES JANUARY 1984 THROUGH DECEMBER 1988

($/MMBtu)

Date	102 New Gas	103 New Onshore	104 Post 1974	104 1973/1974 Biennium	104 Replace-ment	104 (1) Flowing	105 Existing Intrastate	108 Stripper	109 Other	Note
Jan-84	$ 3.636	$ 2.899	$ 2.409	$ 2.047	$ 1.170	$ 0.616	$ 1.170	$ 3.891	$ 2.409	(2)
Feb-84	$ 3.659	$ 2.909	$ 2.417	$ 2.054	$ 1.174	$ 0.618	$ 1.174	$ 3.916	$ 2.417	(2)
Mar-84	$ 3.682	$ 2.919	$ 2.425	$ 2.061	$ 1.178	$ 0.620	$ 1.178	$ 3.941	$ 2.425	(2)
Apr-84	$ 3.706	$ 2.929	$ 2.433	$ 2.068	$ 1.182	$ 0.622	$ 1.182	$ 3.966	$ 2.433	(2)
May-84	$ 3.730	$ 2.939	$ 2.441	$ 2.075	$ 1.186	$ 0.624	$ 1.186	$ 3.992	$ 2.441	(2)
Jun-84	$ 3.755	$ 2.949	$ 2.449	$ 2.082	$ 1.190	$ 0.626	$ 1.190	$ 4.018	$ 2.449	(2)
Jul-84	$ 3.780	$ 2.959	$ 2.457	$ 2.089	$ 1.194	$ 0.628	$ 1.194	$ 4.044	$ 2.459	(2)
Aug-84	$ 3.802	$ 2.967	$ 2.464	$ 2.095	$ 1.197	$ 0.630	$ 1.197	$ 4.068	$ 2.464	(2)
Sep-84	$ 3.824	$ 2.975	$ 2.471	$ 2.101	$ 1.200	$ 0.632	$ 1.200	$ 4.092	$ 2.471	(2)
Oct-84	$ 3.847	$ 2.983	$ 2.478	$ 2.107	$ 1.203	$ 0.634	$ 1.203	$ 4.116	$ 2.478	(2)
Nov-84	$ 3.871	$ 2.992	$ 2.486	$ 2.113	$ 1.207	$ 0.636	$ 1.207	$ 4.142	$ 2.486	(2)
Dec-84	$ 3.895	$ 3.001	$ 2.494	$ 2.119	$ 1.211	$ 0.638	$ 1.211	$ 4.168	$ 2.494	(2)
Jan-85	$ 3.919	$ 3.010	$ 2.502	$ 2.125	$ 1.215	$ 0.640	$ 1.215	$ 4.194	$ 2.502	(2)
Feb-85	$ 3.940	$ 3.016	$ 2.507	$ 2.129	$ 1.217	$ 0.641	$ 1.217	$ 4.216	$ 2.507	(2)
Mar-85	$ 3.961	$ 3.022	$ 2.512	$ 2.133	$ 1.219	$ 0.642	$ 1.219	$ 4.238	$ 2.512	(2)
Apr-85	$ 3.982	$ 3.028	$ 2.517	$ 2.137	$ 1.222	$ 0.643	$ 1.222	$ 4.260	$ 2.517	(2)
May-85	$ 4.012	$ 3.041	$ 2.528	$ 2.146	$ 1.227	$ 0.646	$ 1.227	$ 4.292	$ 2.528	(2)
Jun-85	$ 4.217	$ 3.185	$ 2.648	$ 2.247	$ 1.284	$ 0.675	$ 1.284	$ 4.511	$ 2.564	(2)
Jul-85	$ 4.248	$ 3.199	$ 2.659	$ 2.256	$ 1.289	$ 0.678	$ 1.289	$ 4.544	$ 2.659	(2)
Aug-85	$ 4.272	$ 3.206	$ 2.666	$ 2.262	$ 1.292	$ 0.679	$ 1.292	$ 4.569	$ 2.666	(2)
Sep-85	$ 4.296	$ 3.214	$ 2.672	$ 2.267	$ 1.295	$ 0.680	$ 1.295	$ 4.594	$ 2.672	(2)
Oct-85	$ 4.320	$ 3.221	$ 2.678	$ 2.272	$ 1.298	$ 0.681	$ 1.298	$ 4.621	$ 2.678	(2)
Nov-85	$ 4.346	$ 3.230	$ 2.685	$ 2.278	$ 1.301	$ 0.684	$ 1.301	$ 4.648	$ 2.685	(2)
Dec-85	$ 4.372	$ 3.240	$ 2.693	$ 2.285	$ 1.305	$ 0.686	$ 1.305	$ 4.676	$ 2.693	(2)
Jan-86	$ 4.398	$ 3.249	$ 2.700	$ 2.291	$ 1.308	$ 0.688	$ 1.308	$ 4.704	$ 2.700	(2)
Feb-86	$ 4.431	$ 3.263	$ 2.685	$ 2.301	$ 1.313	$ 0.691	$ 1.313	$ 4.739	$ 2.711	(2)
Mar-86	$ 4.457	$ 3.273	$ 2.689	$ 2.307	$ 1.316	$ 0.693	$ 1.316	$ 4.768	$ 2.719	(2)
Apr-86	$ 4.483	$ 3.282	$ 2.691	$ 2.313	$ 1.319	$ 0.695	$ 1.319	$ 4.796	$ 2.726	(2)
May-86	$ 4.507	$ 3.289	$ 2.693	$ 2.318	$ 1.322	$ 0.696	$ 1.322	$ 4.822	$ 2.732	(2)
Jun-86	$ 4.531	$ 3.297	$ 2.698	$ 2.324	$ 1.325	$ 0.697	$ 1.325	$ 4.848	$ 2.739	(2)
Jul-86	$ 4.555	$ 3.304	$ 2.704	$ 2.329	$ 1.328	$ 0.698	$ 1.328	$ 4.874	$ 2.745	(2)
Aug-86	$ 4.578	$ 3.310	$ 2.024	$ 2.333	$ 1.331	$ 0.699	$ 1.331	$ 4.899	$ 2.750	(2)
Sep-86	$ 4.601	$ 3.317	$ 2.027	$ 2.337	$ 1.333	$ 0.700	$ 1.333	$ 4.924	$ 2.755	(2)
Oct-86	$ 4.624	$ 3.323	$ 2.030	$ 2.341	$ 1.335	$ 0.701	$ 1.335	$ 4.949	$ 2.761	(2)
Nov-86	$ 4.653	$ 3.333	$ 2.034	$ 2.349	$ 1.339	$ 0.703	$ 1.339	$ 4.980	$ 2.769	(2)
Dec-86	$ 4.682	$ 3.344	$ 2.036	$ 2.356	$ 1.343	$ 0.705	$ 1.343	$ 5.011	$ 2.777	(2)
Date	102 New Gas	103 New Onshore	104 Post 1974	104 1973/1974 Biennium	104 Replace-ment	104 (1) Flowing	105 Existing Intrastate	108 Stripper	109 Other	Note

Jan-87	$ 3.933	$ 3.054	$ 2.685	$ 2.411	$ 1.753	$ 1.338	$ 1.753	$ 4.148	$ 2.685	(2)
Feb-87	$ 3.948	$ 3.057	$ 2.689	$ 2.414	$ 1.754	$ 1.339	$ 1.754	$ 4.164	$ 2.689	(2)
Mar-87	$ 3.961	$ 3.059	$ 2.691	$ 2.415	$ 1.755	$ 1.340	$ 1.755	$ 4.177	$ 1.755	(2)
Apr-87	$ 3.974	$ 3.061	$ 2.693	$ 2.417	$ 1.756	$ 1.341	$ 1.756	$ 4.191	$ 1.756	(2)
May-87	$ 3.993	$ 3.068	$ 2.698	$ 2.421	$ 1.758	$ 1.342	$ 1.758	$ 4.211	$ 1.758	(2)
Jun-87	$ 4.012	$ 3.075	$ 2.704	$ 2.426	$ 1.761	$ 1.344	$ 1.761	$ 4.232	$ 1.761	(2)
Jul-87	$ 2.742	$ 2.226	$ 2.024	$ 1.873	$ 1.364	$ 0.717	$ 1.364	$ 2.862	$ 2.024	(2)
Aug-87	$ 2.753	$ 2.230	$ 2.027	$ 1.875	$ 1.368	$ 0.720	$ 1.368	$ 2.874	$ 2.027	(2)
Sep-87	$ 2.764	$ 2.234	$ 2.030	$ 1.878	$ 1.372	$ 0.722	$ 1.372	$ 2.885	$ 2.030	(2)
Oct-87	$ 2.775	$ 2.238	$ 2.034	$ 1.881	$ 1.377	$ 0.724	$ 1.377	$ 2.897	$ 2.034	(2)
Nov-87	$ 2.784	$ 2.240	$ 2.036	$ 1.882	$ 1.380	$ 0.725	$ 1.380	$ 2.907	$ 2.036	(2)
Dec-87	$ 2.793	$ 2.243	$ 2.038	$ 1.884	$ 1.383	$ 0.726	$ 1.383	$ 2.917	$ 2.038	(2)
Jan-88	$ 2.803	$ 2.245	$ 2.040	$ 1.886	$ 1.386	$ 0.727	$ 1.386	$ 2.927	$ 2.040	(3)
Feb-88	$ 2.754	$ 2.189	$ 1.983	$ 1.828	$ 1.391	$ 0.730	$ 1.391	$ 2.879	$ 1.983	(3)
Mar-88	$ 2.764	$ 2.192	$ 1.985	$ 1.830	$ 1.394	$ 0.732	$ 1.394	$ 2.890	$ 1.985	(3)
Apr-88	$ 2.610	$ 2.031	$ 1.823	$ 1.667	$ 1.398	$ 0.734	$ 1.398	$ 2.736	$ 1.823	(3)
May-88	$ 2.619	$ 2.033	$ 1.825	$ 1.669	$ 1.401	$ 0.735	$ 1.401	$ 2.747	$ 1.825	(3)
Jun-88	$ 2.629	$ 2.036	$ 1.827	$ 1.671	$ 1.404	$ 0.736	$ 1.404	$ 2.757	$ 1.827	(3)
Jul-88	$ 5.210	$ 3.505	$ 2.912	$ 2.466	$ 1.407	$ 0.737	$ 1.407	$ 5.575	$ 2.912	(4)
Aug-88	$ 5.244	$ 3.517	$ 2.922	$ 2.475	$ 1.412	$ 0.739	$ 1.412	$ 5.612	$ 2.922	(4)
Sep-88	$ 5.279	$ 3.530	$ 2.933	$ 2.483	$ 1.417	$ 0.742	$ 1.417	$ 5.649	$ 2.933	(4)
Oct-88	$ 5.313	$ 3.543	$ 2.943	$ 2.492	$ 1.423	$ 0.744	$ 1.423	$ 5.686	$ 2.943	(4)
Nov-88	$ 5.350	$ 3.555	$ 2.954	$ 2.501	$ 1.428	$ 0.746	$ 1.428	$ 5.725	$ 2.954	(4)
Dec-88	$ 5.387	$ 3.569	$ 2.964	$ 2.510	$ 1.433	$ 0.748	$ 1.433	$ 5.764	$ 2.964	(4)

MAJOR PORTION PRICES JANUARY 1989 THROUGH JUNE 1995

($/MMBtu)

Date	102 New Gas	103 New Onshore	104 Post 1974	104 1973/1974 Biennium	104 Replace-ment	104 (1) Flowing	105 Existing Intrastate	108 Stripper	109 Other	Note
1989	$ 4.362	$ 2.969	$ 2.545	$ 2.216	$ 1.595	$ 1.553	$ 1.553	$ 4.639	$ 2.528	(5)
1990	$ 4.437	$ 2.975	$ 2.552	$ 2.240	$ 1.667	$ 1.629	$ 1.629	$ 4.712	$ 2.551	(5)
1991	$ 4.515	$ 2.981	$ 2.574	$ 2.278	$ 1.743	$ 1.705	$ 1.705	$ 4.786	$ 2.576	(5)
1992	$ 4.596	$ 2.996	$ 2.603	$ 2.324	$ 1.826	$ 1.788	$ 1.788	$ 4.863	$ 2.609	(5)
1993	$ 4.678	$ 3.017	$ 2.639	$ 2.374	$ 1.910	$ 1.872	$ 1.872	$ 4.942	$ 2.648	(5)
1994	$ 4.764	$ 3.047	$ 2.684	$ 2.432	$ 2.001	$ 1.964	$ 1.964	$ 5.025	$ 2.694	(5)
1995	$ 4.856	$ 3.087	$ 2.737	$ 2.499	$ 2.099	$ 2.063	$ 2.063	$ 5.113	$ 2.750	(5)

Weighted Average Pricing Calculation
for Temporary Price Reduction Period

Attachment 2

Total Reserve Estimate 18,089,205

	102 NGPA Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	102 Wtd Avg Price[4]	103 NGPA Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	103 Wtd Avg Price[4]	104 POST 74 Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	104P74 Wtd Avg Price[4]	104 BIEN Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	104 73/74 Wtd Avg Price[4]
Jan-87	$4.711	15,917,745	55,224,065	$3.933	$3.354	15,917,745	39,319,135	$3.054	2.786	15,917,745	32,653,289	2.685	$2.363	15,917,745	27,702,902	2.411
Feb-87	$4.735	15,917,745	55,502,817	$3.948	$3.360	15,917,745	39,388,354	$3.057	2.791	15,917,745	32,716,916	$2.689	$2.367	15,917,745	27,750,131	2.414
Mar-87	$4.755	15,917,745	55,735,817	$3.961	$3.363	15,917,745	39,425,138	$3.059	2.794	15,917,745	32,753,712	$2.691	$2.369	15,917,745	27,774,653	2.415
Apr-87	$4.775	15,917,745	55,968,829	$3.974	$3.366	15,917,745	39,461,934	$3.061	2.797	15,917,745	32,790,496	$2.693	$2.372	15,917,745	27,799,188	2.417
May-87	$4.804	15,917,745	56,312,217	$3.993	$3.377	15,917,745	39,584,571	$3.068	2.806	15,917,745	32,888,610	$2.698	$2.379	15,917,745	27,885,029	2.421
Jun-87	$4.833	15,917,745	56,655,592	$4.012	$3.387	15,917,745	39,707,207	$3.075	2.814	15,917,745	32,986,712	$2.704	$2.386	15,917,745	27,970,881	2.426
Jul-87	$4.863	30,960,141	18,638,150	$2.742	$3.398	21,634,380	18,638,150	$2.226	2.822	17,970,688	18,638,150	$2.024	$2.393	15,239,573	18,638,150	1.873
Aug-87	$4.894	31,159,979	18,638,150	$2.753	$3.408	21,700,993	18,638,150	$2.230	2.832	18,030,641	18,638,150	$2.027	$2.401	15,286,199	18,638,150	1.875
Sep-87	$4.925	31,359,817	18,638,150	$2.764	$3.419	21,767,605	18,638,150	$2.234	2.841	18,090,594	18,638,150	$2.030	$2.408	15,332,832	18,638,150	1.878
Oct-87	$4.957	31,559,655	18,638,150	$2.775	$3.430	21,840,878	18,638,150	$2.238	2.851	18,150,540	18,638,150	$2.034	$2.415	15,379,458	18,638,150	1.881
Nov-87	$4.983	31,726,186	18,638,150	$2.784	$3.438	21,887,511	18,638,150	$2.240	2.857	18,190,512	18,638,150	$2.036	$2.421	15,412,764	18,638,150	1.882
Dec-87	$5.009	31,892,717	18,638,150	$2.793	$3.445	21,934,137	18,638,150	$2.243	2.863	18,230,479	18,638,150	$2.038	$2.426	15,446,070	18,638,150	1.884
Jan-88	$5.035	32,059,249	18,638,150	$2.803	$3.452	21,980,763	18,638,150	$2.245	2.870	18,270,445	18,638,150	$2.040	$2.431	15,479,377	18,638,150	1.886
Feb-88	$5.071	32,289,827	17,524,550	$2.754	$3.466	22,068,565	17,524,550	$2.189	2.880	18,339,006	17,524,550	$1.983	$2.440	15,536,827	17,524,550	1.828
Mar-88	$5.100	32,469,965	17,524,550	$2.764	$3.474	22,121,941	17,524,550	$2.192	2.887	18,379,036	17,524,550	$1.985	$2.445	15,570,191	17,524,550	1.830
Apr-88	$5.128	32,650,109	14,558,857	$2.610	$3.483	22,175,316	14,558,857	$2.031	2.893	18,419,066	14,558,857	$1.823	$2.451	15,603,548	14,558,857	1.667
May-88	$5.155	32,823,574	14,558,857	$2.619	$3.490	22,222,019	14,558,857	$2.033	2.899	18,459,096	14,558,857	$1.825	$2.456	15,636,905	14,558,857	1.669
Jun-88	$5.182	32,997,046	14,552,996	$2.629	$3.497	22,268,722	14,552,996	$2.036	2.905	18,499,126	14,552,996	$1.827	$2.461	15,670,269	14,552,996	1.671

	104REP SMALL Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	104 RS Wtd Avg Price[4]	104 Flowing Small Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	104 FS Wtd Avg Price[4]	105 Intrastate Price[6]	108 NGPA Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	108 Wtd Avg Price[4]	109 NGPA Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	109 Wtd Avg Price[4]
Jan-87	1.347	15,917,745	15,792,585	1.753	0.708	15,917,745	8,293,496	1.338	1.753	5.042	15,917,745	59,108,396	4.148	2.786	15,917,745	32,653,289	2.685
Feb-87	1.349	15,917,745	15,817,577	1.754	0.709	15,917,745	8,312,216	1.339	1.754	5.068	15,917,745	59,402,656	4.164	2.791	15,917,745	32,716,916	2.689
Mar-87	1.350	15,917,745	15,829,850	1.755	0.710	15,917,745	8,324,478	1.340	1.755	5.088	15,917,745	59,647,930	4.177	2.794	15,917,745	15,829,850	1.755
Apr-87	1.351	15,917,745	15,842,111	1.756	0.711	15,917,745	8,336,739	1.341	1.756	5.109	15,917,745	59,893,203	4.191	2.797	15,917,745	15,842,111	1.756
May-87	1.356	15,917,745	15,891,168	1.758	0.713	15,917,745	8,361,273	1.342	1.758	5.141	15,917,745	60,261,113	4.211	2.806	15,917,745	15,891,168	1.758
Jun-87	1.360	15,917,745	15,940,213	1.761	0.715	15,917,745	8,385,796	1.344	1.761	5.172	15,917,745	60,629,023	4.232	2.814	15,917,745	15,940,213	1.761
Jul-87	1.364	(5)	(5)	1.364	0.717	(5)	(5)	0.717	1.364	5.204	33,131,710	18,638,150	2.862	2.822	17,970,688	18,638,150	2.024
Aug-87	1.368			1.368	0.720			0.720	1.368	5.237	33,344,874	18,638,150	2.874	2.832	18,030,641	18,638,150	2.027
Sep-87	1.372			1.372	0.722			0.722	1.372	5.271	33,558,032	18,638,150	2.885	2.841	18,090,594	18,638,150	2.030
Oct-87	1.377			1.377	0.724			0.724	1.377	5.304	33,771,190	18,638,150	2.897	2.851	18,150,540	18,638,150	2.034
Nov-87	1.380			1.380	0.725			0.725	1.380	5.332	33,951,047	18,638,150	2.907	2.857	18,190,512	18,638,150	2.036
Dec-87	1.383			1.383	0.726			0.726	1.383	5.361	34,130,899	18,638,150	2.917	2.863	18,230,479	18,638,150	2.038
Jan-88	1.386			1.386	0.727			0.727	1.386	5.389	34,310,757	18,638,150	2.927	2.870	18,270,445	18,638,150	2.040
Feb-88	1.391			1.391	0.730			0.730	1.391	5.427	34,551,579	17,524,550	2.879	2.880	18,339,006	17,524,550	1.983
Mar-88	1.394			1.394	0.732			0.732	1.394	5.457	34,745,069	17,524,550	2.890	2.887	18,379,036	17,524,550	1.985
Apr-88	1.398			1.398	0.734			0.734	1.398	5.487	34,938,553	14,558,857	2.736	2.893	18,419,066	14,558,857	1.823
May-88	1.401			1.401	0.735			0.735	1.401	5.517	35,125,363	14,558,857	2.747	2.899	18,459,096	14,558,857	1.825
Jun-88	1.404			1.404	0.736			0.736	1.404	5.546	35,312,174	14,552,996	2.757	2.905	18,499,126	14,552,996	1.827

(1) Includes Tax Reimbursement
(2) From 1/87 - 6/87 this is the contract negotiated price x the volume estimate
For the remainder of the time this is the NGPA category price x the volume estimate

(3) From 1/87 - 6/87 this is the NGPA category price x the volume estimate
For the remainder of the time this is the contract negotiated price x the volume estimate
(4) This is the weighted average price
(5) The contract terms provided for the lessor of the contract price or the NGPA price
(6) This price is equivalent to the Category 104 replacement price for small producers

EXAMPLE CALCULATIONS FOR SELECTED CATEGORIES

	Reserve Estimate
Company X	10,000,000
Company Y	18,000,000
Total Reserve Estimate	28,000,000

NOTE: The Reserve Estimate and Contract Price numbers shown in the example calculations are not the actual values. Actual values cannot be release in order to protect confidential commercial and financial information of the Jicarilla Tribe

	Contract Price	102 NGPA Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	102 Wtd Avg Price[4]	104REP SMALL Price[1]	Contract Negotiated Value[2]	Contract Negotiated Value[3]	104 RS Wtd Avg Price[4]
Jan-87	$2.750	$4.711	27,500,000	84,799,872	$4.011	1.347	27,500,000	24,250,464	$1.848
Feb-87	$2.750	$4.735	27,500,000	85,227,912	$4.026	1.349	27,500,000	24,288,840	$1.850
Mar-87	$2.750	$4.755	27,500,000	85,585,698	$4.039	1.350	27,500,000	24,307,686	$1.850
Apr-87	$2.750	$4.775	27,500,000	85,943,502	$4.052	1.351	27,500,000	24,326,514	$1.851
May-87	$2.750	$4.804	27,500,000	86,470,794	$4.070	1.356	27,500,000	24,401,844	$1.854
Jun-87	$2.750	$4.833	27,500,000	86,998,068	$4.089	1.360	27,500,000	24,477,156	$1.856
Jul-87	$2.050	$4.863	48,625,200	36,900,000	$3.054	1.364	(5)	(5)	$1.364
Aug-87	$2.050	$4.894	48,939,060	36,900,000	$3.066	1.368			$1.368
Sep-87	$2.050	$4.925	49,252,920	36,900,000	$3.077	1.372			$1.372
Oct-87	$2.050	$4.957	49,566,780	36,900,000	$3.088	1.377			$1.377
Nov-87	$2.050	$4.983	49,828,330	36,900,000	$3.097	1.380			$1.380
Dec-87	$2.050	$5.009	50,089,880	36,900,000	$3.107	1.383			$1.383
Jan-88	$2.050	$5.035	50,351,430	36,900,000	$3.116	1.386			$1.386
Feb-88	$1.600	$5.071	50,713,570	28,800,000	$2.840	1.391			$1.391
Mar-88	$1.600	$5.100	50,996,490	28,800,000	$2.850	1.394			$1.394
Apr-88	$1.450	$5.128	51,279,420	26,100,000	$2.764	1.398			$1.398
May-88	$1.450	$5.155	51,551,860	26,100,000	$2.773	1.401			$1.401
Jun-88	$1.450	$5.182	51,824,310	26,100,000	$2.783	1.404			$1.404

CALCULATED PRICES USED FOR MAJOR PORTION

	102 Wtd Avg Price[4]	103 Wtd Avg Price[4]	104 Post 74 Wtd Avg Price[4]	104 73/74 Wtd Avg Price[4]	104 RS[6] Wtd Avg Price[4]	104 FS[6] Wtd Avg Price[4]	105 Intrastate Price[7]	108 Wtd Avg Price[4]	109 Wtd Avg Price[4]
Jan-87	$3.933	$3.054	$2.685	$2.411	$1.753	$1.338	$1.753	$4.148	$2.685
Feb-87	$3.948	$3.057	$2.689	$2.414	$1.754	$1.339	$1.754	$4.164	$2.689
Mar-87	$3.961	$3.059	$2.691	$2.415	$1.755	$1.340	$1.755	$4.177	$1.755
Apr-87	$3.974	$3.061	$2.693	$2.417	$1.756	$1.341	$1.756	$4.191	$1.756
May-87	$3.993	$3.068	$2.698	$2.421	$1.758	$1.342	$1.758	$4.211	$1.758
Jun-87	$4.012	$3.075	$2.704	$2.426	$1.761	$1.344	$1.761	$4.232	$1.761
Jul-87	$2.742	$2.226	$2.024	$1.873	$1.364	$0.717	$1.364	$2.862	$2.024
Aug-87	$2.753	$2.230	$2.027	$1.875	$1.368	$0.720	$1.368	$2.874	$2.027
Sep-87	$2.764	$2.234	$2.030	$1.878	$1.372	$0.722	$1.372	$2.885	$2.030
Oct-87	$2.775	$2.238	$2.034	$1.881	$1.377	$0.724	$1.377	$2.897	$2.034
Nov-87	$2.784	$2.240	$2.036	$1.882	$1.380	$0.725	$1.380	$2.907	$2.036
Dec-87	$2.793	$2.243	$2.038	$1.884	$1.383	$0.726	$1.383	$2.917	$2.038
Jan-88	$2.803	$2.245	$2.040	$1.886	$1.386	$0.727	$1.386	$2.927	$2.040
Feb-88	$2.754	$2.189	$1.983	$1.828	$1.391	$0.730	$1.391	$2.879	$1.983
Mar-88	$2.764	$2.192	$1.985	$1.830	$1.394	$0.732	$1.394	$2.890	$1.985
Apr-88	$2.610	$2.031	$1.823	$1.667	$1.398	$0.734	$1.398	$2.736	$1.823
May-88	$2.619	$2.033	$1.825	$1.669	$1.401	$0.735	$1.401	$2.747	$1.825
Jun-88	$2.629	$2.036	$1.827	$1.671	$1.404	$0.736	$1.404	$2.757	$1.827

(1) Includes Tax Reimbursement
(2) From 1/87 - 6/87 this is the company X contract negotiated price x the volume estimate
For the remainder of the time this is the NGPA category price x the volume estimate
(3) From 1/87 - 6/87 this is the NGPA category price x the volume estimate
For the remainder of the time this is the company Y contract negotiated price x the volume estimate
(4) This is the weighted average price
(5) The contract terms provided for the lessor of the contract price or the NGPA price for 104 replacement small producer and 104 flowing small producer.
(6) RS: Replacement Small Producer; FS: Flowing Small Producer
(7) This price is equivalent to the Category 104 replacement price for small producers

EL PASO Calculations

STRATA VALUE AMOUNT	16,907,964
SETTLEMENT VALUE	14,722,000
PERCENTAGE DIFFERENCE	0.8707

EL PASO PRICE

A	B	C	D	E	F	G	H	I	J
	Value Estimate Of Reserves	Strata Discount @10% Value	Actual Amount Settled Value	Discount Factor	El Paso Buy Down Price	102 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	102 Settled Plus Actual
1989	$1,987,322	$1,938,255	$1,687,666	0.8492	1.227	5.447	4.220	3.584	4.811
1990	$3,795,791	$3,434,574	$2,990,532	0.7879	1.276	5.775	4.499	3.545	4.821
1991	$3,747,294	$3,068,025	$2,671,372	0.7129	1.327	6.243	4.916	3.505	4.832
1992	$3,713,983	$2,751,386	$2,395,670	0.6450	1.380	6.748	5.368	3.463	4.843
1993	$3,689,172	$2,472,926	$2,153,211	0.5837	1.435	7.295	5.860	3.420	4.855
1994	$3,671,816	$2,227,069	$1,939,140	0.5281	1.493	7.886	6.393	3.376	4.869
1995	$1,850,780	$1,015,729	$884,409	0.4779	1.553	8.525	6.972	3.332	4.885
TTL	$22,456,158	$16,907,964	$14,722,000						

5.447-**1.227** = 4.22
4.22* .8492 = 3.584
3.584 + **1.227** = 4.811

Yes, that is a problem. This needs to be discussed with David. Hopefully, he will agree that the buy down price will have to be left in. Let me know if you want to talk with him or if you want to do a telecon and include me.

Reply Separator Subject: Jicarilla MP FOIA
Author: Joseph Cornellisson at ~mms-denver-gh-4 Date: 02/18/98 10:08 AM

Greg

I was working on Attachment 4 (Major Portion Pricing calculation; It's att 5 in your version) of the Methodology report.

I've included an excerpt from the spreadsheet. The markouts are shown in yellow

David had marked out all of column F - the buy down price. However those numbers are used in several subsequent calculations - as follows:

the estimate price - buy down price = price differential

price differential x discount factor = settled price differential

settled price differential + buy down price = category price

The category price for each pipeline is then used to develop a weighted average major portion price.

My question is that if I remove the prices in column F, the other numbers in the spreadsheet can be used to back calculate the price. I.E. columr

Does not providing the "FOIA number" but providing other numbers that you can calculate the "FOIA number" violate the FOIA act?

Thanks

Joe
275-7239

1 G - column H equals col F

TABLE 1

A	B	C	D	E	F	G	H	I	J	G	H	I	J	G	H	I	J
	Value Estimate Of Reserves	Discount @10% Value	Estimated Amount Settled Value	Discount Factor	Negotiated Price	102 Estimated Price	Estimated Price Differential	Settled Price Differential	102 Settled Plus Actual	103 Estimated Price	Estimated Price Differential	Settled Price Differential	103 Settled Plus Actual	104 Post 74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 Post 74 Settled Plus Actual
1989	$1,987,322	$1,938,255	$1,687,666	0.8492	1.227	5.447	4.220	3.584	4.811	3.481	2.254	1.914	3.141	2.881	1.654	1.405	2.632
1990	$3,795,791	$3,434,574	$2,990,532	0.7879	1.276	5.775	4.499	3.545	4.821	3.587	2.311	1.821	3.097	2.969	1.693	1.334	2.610
1991	$3,747,294	$3,068,025	$2,671,372	0.7129	1.327	6.243	4.916	3.505	4.832	3.734	2.407	1.716	3.043	3.091	1.764	1.258	2.585
1992	$3,713,983	$2,751,386	$2,395,670	0.6450	1.380	6.748	5.368	3.463	4.843	3.887	2.507	1.617	2.997	3.217	1.837	1.185	2.565
1993	$3,689,172	$2,472,926	$2,153,211	0.5837	1.435	7.295	5.860	3.420	4.855	4.047	2.612	1.525	2.960	3.349	1.914	1.117	2.552
1994	$3,671,816	$2,227,069	$1,939,140	0.5281	1.493	7.886	6.393	3.376	4.869	4.212	2.719	1.436	2.929	3.487	1.994	1.053	2.546
1995	$1,850,780	$1,015,729	$884,409	0.4779	1.553	8.525	6.972	3.332	4.885	4.385	2.832	1.353	2.906	3.630	2.077	0.993	2.546
TTL	$22,456,158	$16,907,964	$14,722,000														

	G	H	I	J	K	L	G	H	I	J	G	H	I	J
	104 73/74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 73/74 Settled Plus Actual	Settled Price 104 All Other	Settled Price 105	108 Estimated Price	Estimated Price Differential	Settled Price Differential	108 Settled Plus Actual	109 Estimated Price	Estimated Price Differential	Settled Price Differential	109 Settled Plus Actual
1989	2.432	1.205	1.023	2.250	1.227	1.227	5.832	4.605	3.911	5.138	2.881	1.654	1.405	2.632
1990	2.506	1.230	0.969	2.245	1.276	1.276	6.183	4.907	3.866	5.142	2.969	1.693	1.334	2.610
1991	2.608	1.281	0.913	2.240	1.327	1.327	6.684	5.357	3.819	5.146	3.091	1.764	1.258	2.585
1992	2.715	1.335	0.861	2.241	1.380	1.380	7.225	5.845	3.770	5.150	3.217	1.837	1.185	2.565
1993	2.826	1.391	0.812	2.247	1.435	1.435	7.810	6.375	3.721	5.156	3.349	1.914	1.117	2.552
1994	2.942	1.449	0.765	2.258	1.493	1.493	8.443	6.950	3.670	5.163	3.487	1.994	1.053	2.546
1995	3.062	1.509	0.721	2.274	1.553	1.553	9.127	7.574	3.619	5.172	3.630	2.077	0.993	2.546

******* Indicates confidential commercial and financial information of the Jicarilla Tribe

TABLE 2

A	B	C	D	E	F	G	H	I	J	G	H	I	J	G	H	I	J
	Value Estimate Of Reserves	Discount @10% Value	Estimated Amount Settled Value	Discount Factor	Negotiated Price	102 Estimated Price	Estimated Price Differential	Settled Price Differential	102 Settled Plus Actual	103 Estimated Price	Estimated Price Differential	Settled Price Differential	103 Settled Plus Actual	104 Post 74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 Post 74 Settled Plus Actual
1989	$3,163,813	$3,024,597	$2,109,405	0.6667	1.730	5.311	3.581	2.388	4.118	3.448	1.718	1.145	2.875	2.881	1.151	0.767	2.497
1990	$3,057,140	$2,671,072	$1,882,851	0.6093	1.820	5.774	3.954	2.409	4.229	3.606	1.786	1.088	2.908	2.969	1.149	0.700	2.520
1991	$2,983,228	$2,382,156	$1,661,356	0.5569	1.910	6.279	4.369	2.433	4.343	3.772	1.862	1.037	2.947	3.091	1.181	0.658	2.568
1992	$2,912,477	$2,125,493	$1,482,355	0.5090	2.010	6.827	4.817	2.452	4.462	3.945	1.935	0.985	2.995	3.217	1.207	0.614	2.624
1993	$2,867,524	$1,912,572	$1,333,860	0.4652	2.110	7.423	5.313	2.471	4.581	4.126	2.016	0.938	3.048	3.349	1.239	0.576	2.686
1994	$2,826,568	$1,722,994	$1,201,645	0.4251	2.220	8.071	5.851	2.487	4.707	4.316	2.096	0.891	3.111	3.487	1.267	0.539	2.759
1995	$2,055,235	$1,144,983	$798,531	0.3885	2.340	8.776	6.436	2.501	4.841	4.514	2.174	0.845	3.185	3.630	1.290	0.501	2.841
TTL	$19,865,985	$14,983,867	$10,450,003														

	G	H	I	J	K	L	G	H	I	J	G	H	I	J
	104 73/74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 73/74 Settled Plus Actual	Settled Price 104 All Other	Settled Price 105	108 Estimated Price	Estimated Price Differential	Settled Price Differential	108 Settled Plus Actual	109 Estimated Price	Estimated Price Differential	Settled Price Differential	109 Settled Plus Actual
1989	2.432	0.702	0.468	2.198	1.730	1.730	5.686	3.956	2.638	4.368	2.842	1.112	0.741	2.471
1990	2.506	0.686	0.418	2.238	1.820	1.820	6.182	4.362	2.658	4.478	2.967	1.147	0.699	2.519
1991	2.608	0.698	0.389	2.299	1.910	1.910	6.722	4.812	2.680	4.590	3.098	1.188	0.662	2.572
1992	2.715	0.705	0.359	2.369	2.010	2.010	7.309	5.299	2.697	4.707	3.234	1.224	0.623	2.633
1993	2.826	0.716	0.333	2.443	2.110	2.110	7.947	5.837	2.715	4.825	3.377	1.267	0.589	2.699
1994	2.942	0.722	0.307	2.527	2.220	2.220	8.641	6.421	2.730	4.950	3.525	1.305	0.555	2.775
1995	3.062	0.722	0.281	2.621	2.340	2.340	9.396	7.056	2.742	5.082	3.681	1.341	0.521	2.861

******* Indicates confidential commercial and financial information of the Jicarilla Tribe

TABLE 3
NET GAS PRODUCTION ESTIMATE

VOLUME ESTIMATE	6367098
VOLUME ESTIMATE	11722107
TOTAL RESERVE VOLUME ESTIMATE	18089205

	ESTIMATED PRICE	ESTIMATED PRICE	(1) ESTIMATED VALUE	(2) ESTIMATED VALUE	WEIGHTED AVERAGE PRICE (3)
102 NEW NATURAL GAS					
1989	4.811	4.118	30,630,147	48,266,444	4.362
1990	4.821	4.229	30,692,978	49,576,846	4.437
1991	4.832	4.343	30,762,749	50,910,189	4.515
1992	4.843	4.462	30,833,181	52,300,454	4.596
1993	4.855	4.581	30,913,725	53,703,661	4.678
1994	4.869	4.707	31,002,922	55,180,717	4.764
1995	4.885	4.841	31,100,848	56,742,160	4.856
103 NEW ONSHORE PRODUCTION WELLS					
1989	3.141	2.875	19,999,902	33,706,215	2.969
1990	3.097	2.908	19,717,202	34,091,263	2.975
1991	3.043	2.947	19,374,455	34,544,416	2.981
1992	2.997	2.995	19,082,944	35,105,964	2.996
1993	2.960	3.048	18,843,503	35,726,227	3.017
1994	2.929	3.111	18,648,880	36,468,202	3.047
1995	2.906	3.185	18,504,640	37,331,101	3.087
104 POST 74					
1989	2.632	2.497	16,755,674	29,274,849	2.545
1990	2.610	2.520	16,617,101	29,541,304	2.552
1991	2.585	2.568	16,455,892	30,098,831	2.574
1992	2.565	2.624	16,331,224	30,762,595	2.603
1993	2.552	2.686	16,249,592	31,489,495	2.639
1994	2.546	2.759	16,211,020	32,336,991	2.684
1995	2.546	2.841	16,207,505	33,304,968	2.737
104 73/74 BIENNIUM					
1989	2.250	2.198	14,327,912	25,765,707	2.216
1990	2.245	2.238	14,294,530	26,234,193	2.240
1991	2.240	2.299	14,263,567	26,945,795	2.278
1992	2.241	2.369	14,269,494	27,767,585	2.324
1993	2.247	2.443	14,306,022	28,637,752	2.374
1994	2.258	2.527	14,378,429	29,621,061	2.432
1995	2.274	2.621	14,479,328	30,718,039	2.499

	ESTIMATED PRICE	ESTIMATED PRICE	(1) ESTIMATED VALUE	(2) ESTIMATED VALUE	WEIGHTED AVERAGE PRICE (3)
104 ALL OTHER CATEGORIES					
1989	1.227	1.730	7,812,429	20,279,245	1.553
1990	1.276	1.820	8,124,417	21,334,235	1.629
1991	1.327	1.910	8,449,139	22,389,224	1.705
1992	1.380	2.010	8,786,595	23,561,435	1.788
1993	1.435	2.110	9,136,786	24,733,646	1.872
1994	1.493	2.220	9,506,077	26,023,078	1.964
1995	1.553	2.340	9,888,103	27,429,730	2.063
105 EXISTING INTRASTATE CONTRACTS					
1989	1.227	1.730	7,812,429	20,279,245	1.553
1990	1.276	1.820	8,124,417	21,334,235	1.629
1991	1.327	1.910	8,449,139	22,389,224	1.705
1992	1.380	2.010	8,786,595	23,561,435	1.788
1993	1.435	2.110	9,136,786	24,733,646	1.872
1994	1.493	2.220	9,506,077	26,023,078	1.964
1995	1.553	2.340	9,888,103	27,429,730	2.063
108 STRIPPER GAS					
1989	5.138	4.368	32,711,857	51,197,240	4.639
1990	5.142	4.478	32,739,643	52,491,115	4.712
1991	5.146	4.590	32,764,437	53,802,103	4.786
1992	5.150	4.707	32,792,242	55,176,145	4.863
1993	5.156	4.825	32,827,567	56,560,866	4.942
1994	5.163	4.950	32,875,867	58,021,241	5.025
1995	5.172	5.082	32,932,471	59,565,922	5.113
109 OTHER					
1989	2.632	2.471	16,755,674	28,970,050	2.528
1990	2.610	2.519	16,617,101	29,527,026	2.551
1991	2.585	2.572	16,455,892	30,144,523	2.576
1992	2.565	2.633	16,331,224	30,864,026	2.609
1993	2.552	2.699	16,249,592	31,642,175	2.648
1994	2.546	2.775	16,211,020	32,526,362	2.694
1995	2.546	2.861	16,207,505	33,537,241	2.750

******* Indicates confidential commercial and financial information of the Jicarilla Tribe

(1) PURCHASER A VOLUME TIMES PUCHASER A PRICE
(2) PURCHASER B VOLUME TIMES PUCHASER B PRICE
(3) PURCHASER A VALUE PLUS PURCHASE B VALUE DIVIDED BY TOTAL VOLUME ESTIMATE

B VALUE ESTIMATE OF RESERVES

C ESTIMATED VALUE OF THE RESERVES AT A 10% NET PRESENT VALUE DISCOUNT.

D ESTIMATE FOR EACH YEAR AT THE 10% NET PRESENT VALUE DISCOUNT.
TIMES THE PERCENTAGE OF SETTLEMENT

E NET PRESENT VALUE DISCOUNT FACTOR
COLUMN D DIVIDED BY COLUMN B
ACTUAL AMOUNT RECEIVED DIVIDED BY THE STRATA 100% ESTIMATE.

F NEGOTIATED PRICE

G NGPA ESTIMATE PRICE FROM THE SUMMARY REPORT.

H NGPA ESTIMATED PRICE MINUS THE NEGOTIATED PRICE.

I EST. PRICE DIFFERENTIAL TIMES THE DISCOUNT FACTOR.

J SETTLED PRICE DIFFERENTIAL PLUS THE NEGOTIATED PRICE.

el paso	actual	$ 16,907,964		
	actual settled	$ 14,722,000		
		0.8707		
	actual vol	6.4	actual val	22.4500
	new vol	10		56% increase
	% chng	56	fake val	35.0000

	estimate	annual distrib	10% PV	pv / estimate
1989	$1,987,322	8.85%	$1,938,255	0.9753
1990	$3,795,791	16.90%	$3,434,574	0.9048
1991	$3,747,294	16.69%	$3,068,025	0.8187
1992	$3,713,983	16.54%	$2,751,386	0.7408
1993	$3,689,172	16.43%	$2,472,926	0.6703
1994	$3,671,816	16.35%	$2,227,069	0.6065
1995	$1,850,780	8.24%	$1,015,729	0.5488
TTL	$22,456,158		$16,907,964	

	given	given	14.7/16.9 * 10%PV
1989	$1,987,322	$1,938,255	$1,687,666
1990	$3,795,791	$3,434,574	$2,990,532
1991	$3,747,294	$3,068,025	$2,671,372
1992	$3,713,983	$2,751,386	$2,395,670
1993	$3,689,172	$2,472,926	$2,153,211
1994	$3,671,816	$2,227,069	$1,939,140
1995	1850780	1015729	884409
TTL	22456158	16907964	14722000
		0.870713943	

take the calculated new value (35 million) and spread it over the years
based on the annual distribution of the actual values

1989	$ 3,097,425	$ 3,020,950	$ 2,274,570	0.73434
1990	$ 5,916,091	$ 5,353,101	$ 4,030,522	0.68128
1991	$ 5,840,504	$ 4,781,801	$ 3,600,372	0.61645
1992	$ 5,788,586	$ 4,288,290	$ 3,228,791	0.55779
1993	$ 5,749,916	$ 3,854,284	$ 2,902,014	0.50471
1994	$ 5,722,865	$ 3,471,093	$ 2,613,498	0.45668
1995	$ 2,884,612	$ 1,583,108	$ 1,191,973	0.41322
	$ 35,000,000	$ 26,352,626	$ 19,841,740	

0.75293218

EL PASO Calculations

STRATA VALUE AMOUNT	$ 16,907,964
SETTLEMENT VALUE	$ 14,722,000
PERCENTAGE DIFFERENCE	0.8707

NORTHWEST Calculations

STRATA VALUE AMOUNT	14,983,867
SETTLEMENT VALUE	10,450,000
PERCENTAGE DIFFERENCE	0.6974

TABLE 1

A	B	C	D	E	F	G	H	I	J	G
	Value Estimate Of Reserves	Discount @10% Value	Estimated Amount Settled Value	Discount Factor	Negotiated Price	102 Estimated Price	Estimated Price Differential	Settled Price Differential	102 Settled Plus Actual	103 Estimated Price
1989	$1,987,322	$1,938,255	$1,687,666	0.8492	$1.227	5.447	$4.220	$3.584	4.811	3.481
1990	$3,795,791	$3,434,574	$2,990,532	0.7879	$1.276	5.775	$4.499	$3.545	4.821	3.587
1991	$3,747,294	$3,068,025	$2,671,372	0.7129	$1.327	6.243	$4.916	$3.505	4.832	3.734
1992	$3,713,983	$2,751,386	$2,395,670	0.6450	$1.380	6.748	$5.368	$3.463	4.843	3.887
1993	$3,689,172	$2,472,926	$2,153,211	0.5837	$1.435	7.295	$5.860	$3.420	4.855	4.047
1994	$3,671,816	$2,227,069	$1,939,140	0.5281	$1.493	7.886	$6.393	$3.376	4.869	4.212
1995	$1,850,780	$1,015,729	$884,409	0.4779	$1.553	8.525	$6.972	$3.332	4.885	4.385
TTL	$22,456,158	$16,907,964	$14,722,000							

	G	H	I	J	K	L	G	H	I	J
	104 73/74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 73/74 Settled Plus Actual	Settled Price 104 All Other	Settled Price 105	108 Estimated Price	Estimated Price Differential	Settled Price Differential	108 Settled Plus Actual
1989	2.432	$1.205	$1.023	2.250	$1.227	$1.227	5.832	$4.605	$3.911	5.138
1990	2.506	$1.230	$0.969	2.245	$1.276	$1.276	6.183	$4.907	$3.866	5.142
1991	2.608	$1.281	$0.913	2.240	$1.327	$1.327	6.684	$5.357	$3.819	5.146
1992	2.715	$1.335	$0.861	2.241	$1.380	$1.380	7.225	$5.845	$3.770	5.150
1993	2.826	$1.391	$0.812	2.247	$1.435	$1.435	7.810	$6.375	$3.721	5.156
1994	2.942	$1.449	$0.765	2.258	$1.493	$1.493	8.443	$6.950	$3.670	5.163

1995	3.062	$1.509	$0.721	2.274	$1.553	$1.553	9.127	$7.574	$3.619	5.172

******* Indicates confidential commercial and financial information of the Jicarilla Tribe

TABLE 2

A	B	C	D	E	F	G	H	I	J	G
	Value Estimate Of Reserves	Discount @10% Value	Estimated Amount Settled Value	Discount Factor	Negotiated Price	102 Estimated Price	Estimated Price Differential	Settled Price Differential	102 Settled Plus Actual	103 Estimated Price
1989	$3,163,813	$3,024,597	$2,109,405	0.6667	$1.730	5.311	$3.581	$2.388	4.118	3.448
1990	$3,057,140	$2,671,072	$1,862,851	0.6093	$1.820	5.774	$3.954	$2.409	4.229	3.606
1991	$2,983,228	$2,382,156	$1,661,356	0.5569	$1.910	6.279	$4.369	$2.433	4.343	3.772
1992	$2,912,477	$2,125,493	$1,482,355	0.5090	$2.010	6.827	$4.817	$2.452	4.462	3.945
1993	$2,867,524	$1,912,572	$1,333,860	0.4652	$2.110	7.423	$5.313	$2.471	4.581	4.126
1994	$2,826,568	$1,722,994	$1,201,645	0.4251	$2.220	8.071	$5.851	$2.487	4.707	4.316
1995	$2,055,235	$1,144,983	$798,531	0.3885	$2.340	8.776	$6.436	$2.501	4.841	4.514
TTL	$19,865,985	$14,983,867	$10,450,003							

	G	H	I	J	K	L	G	H	I	J
	104 73/74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 73/74 Settled Plus Actual	Settled Price 104 All Other	Settled Price 105	108 Estimated Price	Estimated Price Differential	Settled Price Differential	108 Settled Plus Actual
1989	2.432	$0.702	$0.468	2.198	$1.730	$1.730	5.686	$3.956	$2.638	4.368
1990	2.506	$0.686	$0.418	2.238	$1.820	$1.820	6.182	$4.362	$2.658	4.478
1991	2.608	$0.698	$0.389	2.299	$1.910	$1.910	6.722	$4.812	$2.680	4.590
1992	2.715	$0.705	$0.359	2.369	$2.010	$2.010	7.309	$5.299	$2.697	4.707
1993	2.826	$0.716	$0.333	2.443	$2.110	$2.110	7.947	$5.837	$2.715	4.825
1994	2.942	$0.722	$0.307	2.527	$2.220	$2.220	8.641	$6.421	$2.730	4.950

1995	3.062	$0.722	$0.281	2.621	$2.340	$2.340	9.396	$7.056	$2.742	5.082

******* Indicates confidential commercial and financial information of the Jicarilla Tribe

TABLE 3
NET GAS PRODUCTION ESTIMATE

VOLUME ESTIMATE	6367098
VOLUME ESTIMATE	11722107
TOTAL RESERVE VOLUME ESTIMATE	18089205

	ESTIMATED PRICE	ESTIMATED PRICE	(1) ESTIMATED VALUE	(2) ESTIMATED VALUE	WEIGHTED AVERAGE PRICE (3)
102 NEW NATURAL GAS					
1989	4.811	4.118	30,630,147	48,266,444	4.362
1990	4.821	4.229	30,692,978	49,576,846	4.437
1991	4.832	4.343	30,762,749	50,910,189	4.515
1992	4.843	4.462	30,833,181	52,300,454	4.596
1993	4.855	4.581	30,913,725	53,703,661	4.678
1994	4.869	4.707	31,002,922	55,180,717	4.764
1995	4.885	4.841	31,100,848	56,742,160	4.856
103 NEW ONSHORE PRODUCTION WELLS					
1989	3.141	2.875	19,999,902	33,706,215	2.969
1990	3.097	2.908	19,717,202	34,091,263	2.975
1991	3.043	2.947	19,374,455	34,544,416	2.981
1992	2.997	2.995	19,082,944	35,105,964	2.996
1993	2.960	3.048	18,843,503	35,726,227	3.017
1994	2.929	3.111	18,648,880	36,468,202	3.047
1995	2.906	3.185	18,504,640	37,331,101	3.087
104 POST 74					
1989	2.632	2.497	16,755,674	29,274,849	2.545
1990	2.610	2.520	16,617,101	29,541,304	2.552

	ESTIMATED PRICE	ESTIMATED PRICE
104 ALL OTHER CATEGORIES		
1989	$1.227	$1.730
1990	$1.276	$1.820
1991	$1.327	$1.910
1992	$1.380	$2.010
1993	$1.435	$2.110
1994	$1.493	$2.220
1995	$1.553	$2.340
105 EXISTING INTRASTATE CONTRACT		
1989	$1.227	$1.730
1990	$1.276	$1.820
1991	$1.327	$1.910
1992	$1.380	$2.010
1993	$1.435	$2.110
1994	$1.493	$2.220
1995	$1.553	$2.340
108 STRIPPER GAS		
1989	5.138	4.368
1990	5.142	4.478

1991	2.585	2.568	16,455,892	30,098,831	2.574
1992	2.565	2.624	16,331,224	30,762,595	2.603
1993	2.552	2.686	16,249,592	31,489,495	2.639
1994	2.546	2.759	16,211,020	32,336,991	2.684
1995	2.546	2.841	16,207,505	33,304,968	2.737

104 73/74 BIENNIUM					
1989	2.250	2.198	14,327,912	25,765,707	2.216
1990	2.245	2.238	14,294,530	26,234,193	2.240
1991	2.240	2.299	14,263,567	26,945,795	2.278
1992	2.241	2.369	14,269,494	27,767,585	2.324
1993	2.247	2.443	14,306,022	28,637,752	2.374
1994	2.258	2.527	14,378,429	29,621,061	2.432
1995	2.274	2.621	14,479,328	30,718,039	2.499

1991	5.146	4.590
1992	5.150	4.707
1993	5.156	4.825
1994	5.163	4.950
1995	5.172	5.082

109 OTHER		
1989	2.632	2.471
1990	2.610	2.519
1991	2.585	2.572
1992	2.565	2.633
1993	2.552	2.699
1994	2.546	2.775
1995	2.546	2.861

******* Indicates confidential commercial and financial information of the Jicarilla Tribe

(1) PURCHASER A VOLUME TIMES PUCHASER A PRICE
(2) PURCHASER B VOLUME TIMES PUCHASER B PRICE
(3) PURCHASER A VALUE PLUS PURCHASE B VALUE DIVIDED BY TOTAL VOLUME ESTIMATE

B VALUE ESTIMATE OF RESERVES

C ESTIMATED VALUE OF THE RESERVES AT A 10% NET PRESENT VALUE DISCOUNT.

D ESTIMATE FOR EACH YEAR AT THE 10% NET PRESENT VALUE DISCOUNT.
TIMES THE PERCENTAGE OF SETTLEMENT

E NET PRESENT VALUE DISCOUNT FACTOR
COLUMN D DIVIDED BY COLUMN B
ACTUAL AMOUNT RECEIVED DIVIDED BY THE STRATA 100% ESTIMATE.

F NEGOTIATED PRICE

G NGPA ESTIMATE PRICE FROM THE SUMMARY REPORT.

H NGPA ESTIMATED PRICE MINUS THE NEGOTIATED PRICE.

I EST. PRICE DIFFERENTIAL TIMES THE DISCOUNT FACTOR.

J SETTLED PRICE DIFFERENTIAL PLUS THE NEGOTIATED PRICE.

H	I	J	G	H	I	J
Estimated Price Differential	Settled Price Differential	103 Settled Plus Actual	104 Post 74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 Post 74 Settled Plus Actual
$2.254	$1.914	3.141	2.881	$1.654	$1.405	2.632
$2.311	$1.821	3.097	2.969	$1.693	$1.334	2.610
$2.407	$1.716	3.043	3.091	$1.764	$1.258	2.585
$2.507	$1.617	2.997	3.217	$1.837	$1.185	2.565
$2.612	$1.525	2.960	3.349	$1.914	$1.117	2.552
$2.719	$1.436	2.929	3.487	$1.994	$1.053	2.546
$2.832	$1.353	2.906	3.630	$2.077	$0.993	2.546

G	H	I	J
109 Estimated Price	Estimated Price Differential	Settled Price Differential	109 Settled Plus Actual
2.881	$1.654	$1.405	2.632
2.969	$1.693	$1.334	2.610
3.091	$1.764	$1.258	2.585
3.217	$1.837	$1.185	2.565
3.349	$1.914	$1.117	2.552
3.487	$1.994	$1.053	2.546

3.630	$2.077	$0.993	2.546

H	I	J	G	H	I	J
Estimated Price Differential	Settled Price Differential	103 Settled Plus Actual	104 Post 74 Estimated Price	Estimated Price Differential	Settled Price Differential	104 Post 74 Settled Plus Actual
$1.718	$1.145	2.875	2.881	$1.151	$0.767	2.497
$1.786	$1.088	2.908	2.969	$1.149	$0.700	2.520
$1.862	$1.037	2.947	3.091	$1.181	$0.658	2.568
$1.935	$0.985	2.995	3.217	$1.207	$0.614	2.624
$2.016	$0.938	3.048	3.349	$1.239	$0.576	2.686
$2.096	$0.891	3.111	3.487	$1.267	$0.539	2.759
$2.174	$0.845	3.185	3.630	$1.290	$0.501	2.841

G	H	I	J
109 Estimated Price	Estimated Price Differential	Settled Price Differential	109 Settled Plus Actual
2.842	$1.112	$0.741	2.471
2.967	$1.147	$0.699	2.519
3.098	$1.188	$0.662	2.572
3.234	$1.224	$0.623	2.633
3.377	$1.267	$0.589	2.699
3.525	$1.305	$0.555	2.775

3.681	$1.341	$0.521	2.861

(1) ESTIMATED VALUE	(2) ESTIMATED VALUE	WEIGHTED AVERAGE PRICE (3)
7,812,429	20,279,245	1.553
8,124,417	21,334,235	1.629
8,449,139	22,389,224	1.705
8,786,595	23,561,435	1.788
9,136,786	24,733,646	1.872
9,506,077	26,023,078	1.964
9,888,103	27,429,730	2.063
TS		
7,812,429	20,279,245	1.553
8,124,417	21,334,235	1.629
8,449,139	22,389,224	1.705
8,786,595	23,561,435	1.788
9,136,786	24,733,646	1.872
9,506,077	26,023,078	1.964
9,888,103	27,429,730	2.063
32,711,857	51,197,240	4.639
32,739,643	52,491,115	4.712

32,764,437	53,802,103	4.786
32,792,242	55,176,145	4.863
32,827,567	56,560,866	4.942
32,875,867	58,021,241	5.025
32,932,471	59,565,922	5.113

16,755,674	28,970,050	2.528
16,617,101	29,527,026	2.551
16,455,892	30,144,523	2.576
16,331,224	30,864,026	2.609
16,249,592	31,642,175	2.648
16,211,020	32,526,362	2.694
16,207,505	33,537,241	2.750

NGPA PRICES 1/84 THROUGH 12/88

	102	102+tax	103b1 new gas	103+tax	104 post 74	104+tax post 74	104 73/74 Bien	104+tax 73/74 Bien	Replac. small 104R	104+tax small replacemei	flowing small 104F	104+tax small flowing	105	105+tax	108 stripper	108+tax	109 other	109+tax
Jan-84	3.586	3.636000	2.849	2.899000	2.359	2.409000	1.997	2.047000	1.120	1.170000	0.566	0.616000	1.120	1.170000	3.841	3.891000	2.359	2.409000
Feb-84	3.609	3.659000	2.859	2.909000	2.367	2.417000	2.004	2.054000	1.124	1.174000	0.568	0.618000	1.124	1.174000	3.866	3.916000	2.367	2.417000
Mar-84	3.632	3.682000	2.869	2.919000	2.375	2.425000	2.011	2.061000	1.128	1.178000	0.570	0.620000	1.128	1.178000	3.891	3.941000	2.375	2.425000
Apr-84	3.656	3.706000	2.879	2.929000	2.383	2.433000	2.018	2.068000	1.132	1.182000	0.572	0.622000	1.132	1.182000	3.916	3.966000	2.383	2.433000
May-84	3.680	3.730000	2.889	2.939000	2.391	2.441000	2.025	2.075000	1.136	1.186000	0.574	0.624000	1.136	1.186000	3.942	3.992000	2.391	2.441000
Jun-84	3.705	3.755000	2.899	2.949000	2.399	2.449000	2.032	2.082000	1.140	1.190000	0.576	0.626000	1.140	1.190000	3.968	4.018000	2.399	2.449000
Jul-84	3.730	3.780000	2.909	2.959000	2.407	2.457000	2.039	2.089000	1.144	1.194000	0.578	0.628000	1.144	1.194000	3.994	4.044000	2.409	2.459000
Aug-84	3.752	3.802000	2.917	2.967000	2.414	2.464000	2.045	2.095000	1.147	1.197000	0.580	0.630000	1.147	1.197000	4.018	4.068000	2.414	2.464000
Sep-84	3.774	3.824000	2.925	2.975000	2.421	2.471000	2.051	2.101000	1.150	1.200000	0.582	0.632000	1.150	1.200000	4.042	4.092000	2.421	2.471000
Oct-84	3.797	3.847000	2.933	2.983000	2.428	2.478000	2.057	2.107000	1.153	1.203000	0.584	0.634000	1.153	1.203000	4.066	4.116000	2.428	2.478000
Nov-84	3.821	3.871000	2.942	2.992000	2.436	2.486000	2.063	2.113000	1.157	1.207000	0.586	0.636000	1.157	1.207000	4.092	4.142000	2.436	2.486000
Dec-84	3.845	3.895000	2.951	3.001000	2.444	2.494000	2.069	2.119000	1.161	1.211000	0.588	0.638000	1.161	1.211000	4.118	4.168000	2.444	2.494000
Jan-85	3.869	3.919000	2.960	3.010000	2.452	2.502000	2.075	2.125000	1.165	1.215000	0.590	0.640000	1.165	1.215000	4.144	4.194000	2.452	2.502000
Feb-85	3.890	3.940000	2.966	3.016000	2.457	2.507000	2.079	2.129000	1.167	1.217000	0.591	0.641000	1.167	1.217000	4.166	4.216000	2.457	2.507000
Mar-85	3.911	3.961000	2.972	3.022000	2.462	2.512000	2.083	2.133000	1.169	1.219000	0.592	0.642000	1.169	1.219000	4.188	4.238000	2.462	2.512000
Apr-85	3.932	3.982000	2.978	3.028000	2.467	2.517000	2.087	2.137000	1.172	1.222000	0.593	0.643000	1.172	1.222000	4.210	4.260000	2.467	2.517000
May-85	3.962	4.012000	2.991	3.041000	2.478	2.528000	2.096	2.146000	1.177	1.227000	0.596	0.646000	1.177	1.227000	4.242	4.292000	2.478	2.528000
Jun-85	3.992	4.216650	3.004	3.185425	2.489	2.647894	2.105	2.247094	1.182	1.283713	0.599	0.675206	1.182	1.283713	4.274	4.510988	2.409	2.564394
Jul-85	4.022	4.247963	3.017	3.198994	2.500	2.659375	2.114	2.256488	1.187	1.288931	0.602	0.678338	1.187	1.288931	4.306	4.544388	2.500	2.659375
Aug-85	4.045	4.271969	3.024	3.206300	2.506	2.665638	2.119	2.261706	1.190	1.292063	0.603	0.679381	1.190	1.292063	4.330	4.569438	2.506	2.665638
Sep-85	4.068	4.295975	3.031	3.213606	2.512	2.671900	2.124	2.266925	1.193	1.295194	0.604	0.680425	1.193	1.295194	4.354	4.594488	2.512	2.671900
Oct-85	4.091	4.319981	3.038	3.220913	2.518	2.678163	2.129	2.272144	1.196	1.298325	0.605	0.681469	1.196	1.298325	4.379	4.620581	2.518	2.678163
Nov-85	4.116	4.346075	3.047	3.230306	2.525	2.685469	2.135	2.278406	1.199	1.301456	0.607	0.683556	1.199	1.301456	4.405	4.647719	2.525	2.685469
Dec-85	4.141	4.372169	3.056	3.239700	2.532	2.692775	2.141	2.284669	1.202	1.304588	0.609	0.685644	1.202	1.304588	4.432	4.675900	2.532	2.692775
Jan-86	4.166	4.398263	3.065	3.249094	2.539	2.700081	2.147	2.290931	1.205	1.307719	0.611	0.687731	1.205	1.307719	4.459	4.704081	2.539	2.700081
Feb-86	4.191	4.430957	3.074	3.263329	2.546	2.711397	2.153	2.300585	1.208	1.312753	0.613	0.690784	1.208	1.312753	4.486	4.739328	2.546	2.711397
Mar-86	4.216	4.457090	3.083	3.272737	2.553	2.718715	2.159	2.306857	1.211	1.315889	0.615	0.692875	1.211	1.315889	4.513	4.767552	2.553	2.718715
Apr-86	4.241	4.483223	3.092	3.282145	2.560	2.726032	2.165	2.313129	1.214	1.319025	0.617	0.694966	1.214	1.319025	4.540	4.795776	2.560	2.726032
May-86	4.264	4.507266	3.099	3.289462	2.566	2.732304	2.170	2.318355	1.217	1.322161	0.618	0.696011	1.217	1.322161	4.565	4.821909	2.566	2.732304
Jun-86	4.287	4.531308	3.106	3.296779	2.572	2.738576	2.175	2.323582	1.220	1.325297	0.619	0.697056	1.220	1.325297	4.590	4.848042	2.572	2.738576
Jul-86	4.310	4.555351	3.113	3.304097	2.578	2.744848	2.180	2.328809	1.223	1.328432	0.620	0.698102	1.223	1.328432	4.615	4.874175	2.578	2.744848
Aug-86	4.332	4.578348	3.119	3.310369	2.583	2.750074	2.184	2.332990	1.225	1.330523	0.621	0.699147	1.225	1.330523	4.639	4.899263	2.583	2.750074
Sep-86	4.354	4.601345	3.125	3.316641	2.588	2.755301	2.188	2.337171	1.227	1.332614	0.622	0.700192	1.227	1.332614	4.663	4.924350	2.588	2.755301
Oct-86	4.376	4.624342	3.131	3.322913	2.593	2.760528	2.192	2.341352	1.229	1.334704	0.623	0.701237	1.229	1.334704	4.687	4.949438	2.593	2.760528
Nov-86	4.403	4.652566	3.141	3.333366	2.601	2.768890	2.199	2.348670	1.233	1.338886	0.625	0.703328	1.233	1.338886	4.716	4.979753	2.601	2.768890
Dec-86	4.431	4.681835	3.151	3.343819	2.609	2.777253	2.206	2.355987	1.237	1.343067	0.627	0.705419	1.237	1.343067	4.746	5.011112	2.609	2.777253
Jan-87	4.459	4.711104	3.161	3.354272	2.617	2.785616	2.213	2.363304	1.241	1.347248	0.629	0.707509	1.241	1.347248	4.776	5.042472	2.617	2.785616
Feb-87	4.478	4.734884	3.164	3.360177	2.620	2.791044	2.215	2.367333	1.242	1.349380	0.630	0.709106	1.242	1.349380	4.796	5.067575	2.620	2.791044
Mar-87	4.497	4.754761	3.167	3.363315	2.623	2.794183	2.217	2.369425	1.243	1.350427	0.631	0.710152	1.243	1.350427	4.816	5.088499	2.623	2.794183
Apr-87	4.516	4.774639	3.170	3.366454	2.626	2.797321	2.219	2.371518	1.244	1.351473	0.632	0.711198	1.244	1.351473	4.836	5.109423	2.626	2.797321
May-87	4.544	4.803933	3.180	3.376916	2.634	2.805691	2.226	2.378841	1.248	1.355658	0.634	0.713291	1.248	1.355658	4.866	5.140809	2.634	2.805691
Jun-87	4.572	4.833226	3.190	3.387378	2.642	2.814060	2.233	2.386165	1.252	1.359842	0.636	0.715383	1.252	1.359842	4.896	5.172195	2.642	2.814060

NGPA PRICES 1/84 THROUGH 12/88

	102	102+tax	103b1 new gas	103+tax	104 post 74	104+tax post 74	104 73/74 Bien	104+tax 73/74 Bien	Replac. small 104R	104+tax small replacemei	flowing small 104F	104+tax small flowing	105	105+tax	108 stripper	108+tax	109 other	109+tax
Jul-87	4.600	4.862520	3.200	3.397840	2.650	2.822430	2.240	2.393488	1.256	1.364027	0.638	0.717476	1.256	1.364027	4.926	5.203581	2.650	2.822430
Aug-87	4.630	4.893906	3.210	3.408302	2.659	2.831846	2.247	2.400811	1.260	1.368212	0.640	0.719568	1.260	1.368212	4.958	5.237060	2.659	2.831846
Sep-87	4.660	4.925292	3.220	3.418764	2.668	2.841262	2.254	2.408135	1.264	1.372397	0.642	0.721660	1.264	1.372397	4.990	5.270538	2.668	2.841262
Oct-87	4.690	4.956678	3.231	3.430272	2.677	2.850677	2.261	2.415458	1.268	1.376582	0.644	0.723753	1.268	1.376582	5.022	5.304016	2.677	2.850677
Nov-87	4.715	4.982833	3.238	3.437596	2.683	2.856955	2.266	2.420689	1.271	1.379720	0.645	0.724799	1.271	1.379720	5.049	5.332264	2.683	2.856955
Dec-87	4.740	5.008988	3.245	3.444919	2.689	2.863232	2.271	2.425920	1.274	1.382859	0.646	0.725845	1.274	1.382859	5.076	5.360511	2.689	2.863232
Jan-88	4.765	5.035143	3.252	3.452242	2.695	2.869509	2.276	2.431151	1.277	1.385997	0.647	0.726891	1.277	1.385997	5.103	5.388759	2.695	2.869509
Feb-88	4.792	5.071357	3.260	3.466032	2.701	2.880277	2.281	2.440174	1.280	1.391264	0.649	0.730063	1.280	1.391264	5.131	5.426582	2.701	2.880277
Mar-88	4.819	5.099649	3.268	3.474415	2.707	2.886564	2.286	2.445414	1.283	1.394408	0.651	0.732158	1.283	1.394408	5.160	5.456971	2.707	2.886564
Apr-88	4.846	5.127942	3.276	3.482798	2.713	2.892851	2.291	2.450653	1.286	1.397551	0.653	0.734254	1.286	1.397551	5.189	5.487359	2.713	2.892851
May-88	4.872	5.155186	3.283	3.490133	2.719	2.899138	2.296	2.455892	1.289	1.400695	0.654	0.735302	1.289	1.400695	5.217	5.516699	2.719	2.899138
Jun-88	4.898	5.182431	3.290	3.497468	2.725	2.905425	2.301	2.461132	1.292	1.403838	0.655	0.736350	1.292	1.403838	5.245	5.546039	2.725	2.905425
Jul-88	4.924	5.209675	3.297	3.504803	2.731	2.911712	2.306	2.466371	1.295	1.406982	0.656	0.737398	1.295	1.406982	5.273	5.575379	2.731	2.911712
Aug-88	4.957	5.244254	3.309	3.517377	2.741	2.922191	2.314	2.474754	1.300	1.412221	0.658	0.739494	1.300	1.412221	5.308	5.612054	2.741	2.922191
Sep-88	4.990	5.278834	3.321	3.529951	2.751	2.932670	2.322	2.483137	1.305	1.417461	0.660	0.741589	1.305	1.417461	5.343	5.648729	2.751	2.932670
Oct-88	5.023	5.313413	3.333	3.542526	2.761	2.943148	2.330	2.491520	1.310	1.422700	0.662	0.743685	1.310	1.422700	5.379	5.686452	2.761	2.943148
Nov-88	5.058	5.350089	3.345	3.555100	2.771	2.953627	2.339	2.500950	1.315	1.427939	0.664	0.745781	1.315	1.427939	5.416	5.725223	2.771	2.953627
Dec-88	5.093	5.386764	3.358	3.568722	2.781	2.964106	2.348	2.510381	1.320	1.433179	0.666	0.747876	1.320	1.433179	5.453	5.763994	2.781	2.964106

List of Jicarilla Apache Payor Numbers

PAYOR NAME	PAYOR CODE
Amoco Production Company	10860
Apache Corporation	11110
Arco Oil & Gas Company, Vastar Resources	11270, 11274
Bayless, Robert L.	13190
BHP	21910
Chace Oil Company	16480
Dugan Production Company	20150
Exxon	22201
Enre Corporation	21938
Famcor	23315
Forcenergy Gas Exploration	23708, 23710
Gas Company of New Mexico	25115
General Minerals Corp.	25435
Geodyne Operating Company	25495
Giant Exploration & Prod.	28450
Graham Energy LTD.	25964
Great Western Resources	26083
Mallon Oil Company	37193
Marathon Oil Company	37312
Meridian Oil Inc.	21625, 50210
Merit Energy Company	38083
Merrion Oil & Gas Corp.	38100
Mobil Exploration & Production U.S. Inc.	38554
MW Petroluem Corp.	29248
Northwest Pipeline Corp.	31070
Okie Crude Company	31398
Oklahoma and Northwestern	31405
Oxy U.S.A. Inc.	16922
Petrocorp	44445
Phillips Petroleum Company	44725
Rife Oil Properties Inc.	36175
Samson Resources Company	48800
Snyder Oil Corporation	40115
Southern Union Exploration	50150
Tenneco Oil Co. C/O Amoco	41352
Texaco Exploration Company	50405
Unicon Producing Company	73725
Union Texas Petroleum Company	73820
Western Oil and Minerals	77090

Major Portion
Pricing Calculations

EL PASO Calculations

STRATA VALUE AMOUNT	16,907,964
SETTLEMENT VALUE	14,722,000
PERCENTAGE DIFFERENCE	0.8707

EL PASO PRICE

A	B	C	D	E	F	G	H	I	J	G	H	I	J	G	H	I	J
	Value Estimate Of Reserves	Strata Discount @10% Value	Actual Amount Settled Value	Discount Factor	El Paso Buy Down Price	102 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	102 Settled Plus Actual	103 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	103 Settled Plus Actual	104 Post 74 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	104 Post 74 Settled Plus Actual
1989	$1,987,322	$1,938,255	$1,687,666	0.8492	1.227	5.447	4.220	3.584	4.811	3.481	2.254	1.914133	3.141133	2.881	1.654	1.405	2.632
1990	$3,795,791	$3,434,574	$2,990,532	0.7879	1.276	5.775	4.499	3.545	4.821	3.587	2.311	1.820733	3.096733	2.969	1.693	1.334	2.610
1991	$3,747,294	$3,068,025	$2,671,372	0.7129	1.327	6.243	4.916	3.505	4.832	3.734	2.407	1.715902	3.042902	3.091	1.764	1.258	2.585
1992	$3,713,983	$2,751,386	$2,395,670	0.6450	1.380	6.748	5.368	3.463	4.843	3.887	2.507	1.617118	2.997118	3.217	1.837	1.185	2.565
1993	$3,689,172	$2,472,926	$2,153,211	0.5837	1.435	7.295	5.860	3.420	4.855	4.047	2.612	1.524512	2.959512	3.349	1.914	1.117	2.552
1994	$3,671,816	$2,227,069	$1,939,140	0.5281	1.493	7.886	6.393	3.376	4.869	4.212	2.719	1.435945	2.928945	3.487	1.994	1.053	2.546
1995	$1,850,780	$1,015,729	$884,409	0.4779	1.553	8.525	6.972	3.332	4.885	4.385	2.832	1.353291	2.906291	3.630	2.077	0.993	2.546
TTL	$22,456,158	$16,907,964	$14,722,000														

	G	H	I	J	K	L	G	H	I	J	G	H	I	J
	104 73/74 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	104 73/74 Settled Plus Actual	Settled Price 104 All Other	Settled Price 105	108 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	108 Settled Plus Actual	109 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	109 Settled Plus Actual
1989	2.432	1.205	1.023	2.250	1.227	1.227	5.832	4.605	3.910640	5.137640	2.881	1.654	1.405	2.632
1990	2.506	1.230	0.969	2.245	1.276	1.276	6.183	4.907	3.866004	5.142004	2.969	1.693	1.334	2.610
1991	2.608	1.281	0.913	2.240	1.327	1.327	6.684	5.357	3.818898	5.145898	3.091	1.764	1.258	2.585
1992	2.715	1.335	0.861	2.241	1.380	1.380	7.225	5.845	3.770265	5.150265	3.217	1.837	1.185	2.565
1993	2.826	1.391	0.812	2.247	1.435	1.435	7.810	6.375	3.720813	5.155813	3.349	1.914	1.117	2.552
1994	2.942	1.449	0.765	2.258	1.493	1.493	8.443	6.950	3.670399	5.163399	3.487	1.994	1.053	2.546
1995	3.062	1.509	0.721	2.274	1.553	1.553	9.127	7.574	3.619289	5.172289	3.630	2.077	0.993	2.546

Major Portion
Pricing Calculations

NORTHWEST Calculations

STRATA VALUE AMOUNT	14,983,867
SETTLEMENT VALUE	10,450,000
PERCENTAGE DIFFERENCE	0.6974

NORTHWEST

A	B	C	D	E	F	G	H	I	J	G	H	I	J	G	H	I	J
	Value Estimate Of Reserves	Strata Discount @10% Value	Actual Amount Settled Value	Discount Factor	Northwest Buy Out Price	102 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	102 Settled Plus Actual	103 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	103 Settled Plus Actual	104 Post 74 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	104 Post 74 Settled Plus Actual
1989	$3,163,813	$3,024,597	$2,109,405	0.6667	1.730	5.311	3.581	2.388	4.118	3.448	1.718	1.145	2.875	2.881	1.151	0.767	2.497
1990	$3,057,140	$2,671,072	$1,862,851	0.6093	1.820	5.774	3.954	2.409	4.229	3.606	1.786	1.088	2.908	2.969	1.149	0.700	2.520
1991	$2,983,228	$2,382,156	$1,661,356	0.5569	1.910	6.279	4.369	2.433	4.343	3.772	1.862	1.037	2.947	3.091	1.181	0.658	2.568
1992	$2,912,477	$2,125,493	$1,482,355	0.5090	2.010	6.827	4.817	2.452	4.462	3.945	1.935	0.985	2.995	3.217	1.207	0.614	2.624
1993	$2,867,524	$1,912,572	$1,333,860	0.4652	2.110	7.423	5.313	2.471	4.581	4.126	2.016	0.938	3.048	3.349	1.239	0.576	2.686
1994	$2,826,568	$1,722,994	$1,201,645	0.4251	2.220	8.071	5.851	2.487	4.707	4.316	2.096	0.891	3.111	3.487	1.267	0.539	2.759
1995	$2,055,235	$1,144,983	$798,531	0.3885	2.340	8.776	6.436	2.501	4.841	4.514	2.174	0.845	3.185	3.630	1.290	0.501	2.841
TTL	$19,865,985	$14,983,867	$10,450,003														

	G	H	I	J	K	L	G	H	I	J	G	H	I	J
	104 73/74 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	104 73/74 Settled Plus Actual	Settled Price 104 All Other	Settled Price 105	108 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	108 Settled Plus Actual	109 Strata Estimate Price	Strata Estimate Price Differential	Settled Price Differential	109 Settled Plus Actual
1989	2.432	0.702	0.468	2.198	1.73	1.73	5.686	3.956	2.638	4.368	2.842	1.112	0.741	2.471
1990	2.506	0.686	0.418	2.238	1.82	1.82	6.182	4.362	2.658	4.478	2.967	1.147	0.699	2.519
1991	2.608	0.698	0.389	2.299	1.91	1.91	6.722	4.812	2.680	4.590	3.098	1.188	0.662	2.572
1992	2.715	0.705	0.359	2.369	2.01	2.01	7.309	5.299	2.697	4.707	3.234	1.224	0.623	2.633
1993	2.826	0.716	0.333	2.443	2.11	2.11	7.947	5.837	2.715	4.825	3.377	1.267	0.589	2.699
1994	2.942	0.722	0.307	2.527	2.22	2.22	8.641	6.421	2.730	4.950	3.525	1.305	0.555	2.775
1995	3.062	0.722	0.281	2.621	2.34	2.34	9.396	7.056	2.742	5.082	3.681	1.341	0.521	2.861

Major Portion
Pricing Calculations

STRATA NET GAS PRODUCTION

ELPASO STRATA VOLUME	6367098
NORTHWEST STRATA VOLUME	11722107
TOTAL RESERVE VOLUME	18089205

	EL PASO PRICES	NW PRICES	(1) EL PASO VALUE	(2) NW VALUE	WEIGHTED AVERAGE PRICE (3)
102 NEW NATURAL GAS					
1989	4.811	4.118	30,630,147	48,266,444	4.362
1990	4.821	4.229	30,692,978	49,576,846	4.437
1991	4.832	4.343	30,762,749	50,910,189	4.515
1992	4.843	4.462	30,833,181	52,300,454	4.596
1993	4.855	4.581	30,913,725	53,703,661	4.678
1994	4.869	4.707	31,002,922	55,180,717	4.764
1995	4.885	4.841	31,100,848	56,742,160	4.856
103 NEW ONSHORE PRODUCTION WELLS					
1989	3.141	2.875	19,999,902	33,706,215	2.969
1990	3.097	2.908	19,717,202	34,091,263	2.975
1991	3.043	2.947	19,374,455	34,544,416	2.981
1992	2.997	2.995	19,082,944	35,105,964	2.996
1993	2.960	3.048	18,843,503	35,726,227	3.017
1994	2.929	3.111	18,648,880	36,468,202	3.047
1995	2.906	3.185	18,504,640	37,331,101	3.087
104 POST 74					
1989	2.632	2.497	16,755,674	29,274,849	2.545
1990	2.610	2.520	16,617,101	29,541,304	2.552
1991	2.585	2.568	16,455,892	30,098,831	2.574
1992	2.565	2.624	16,331,224	30,762,595	2.603
1993	2.552	2.686	16,249,592	31,489,495	2.639
1994	2.546	2.759	16,211,020	32,336,991	2.684
1995	2.546	2.841	16,207,505	33,304,968	2.737
104 73/74 BIENNIUM					
1989	2.250	2.198	14,327,912	25,765,707	2.216
1990	2.245	2.238	14,294,530	26,234,193	2.240
1991	2.240	2.299	14,263,567	26,945,795	2.278
1992	2.241	2.369	14,269,494	27,767,585	2.324
1993	2.247	2.443	14,306,022	28,637,752	2.374
1994	2.258	2.527	14,378,429	29,621,061	2.432
1995	2.274	2.621	14,479,328	30,718,039	2.499

	EL PASO PRICES	NW PRICES	(1) EL PASO VALUE	(2) NW VALUE	WEIGHTED AVERAGE PRICE (3)
104 ALL OTHER CATEGORIES					
1989	1.227	1.730	7,812,429	20,279,245	1.553
1990	1.276	1.820	8,124,417	21,334,235	1.629
1991	1.327	1.910	8,449,139	22,389,224	1.705
1992	1.380	2.010	8,786,595	23,561,435	1.788
1993	1.435	2.110	9,136,786	24,733,646	1.872
1994	1.493	2.220	9,506,077	26,023,078	1.964
1995	1.553	2.340	9,888,103	27,429,730	2.063
105 EXISTING INTRASTATE CONTRACTS					
1989	1.227	1.730	7,812,429	20,279,245	1.553
1990	1.276	1.820	8,124,417	21,334,235	1.629
1991	1.327	1.910	8,449,139	22,389,224	1.705
1992	1.380	2.010	8,786,595	23,561,435	1.788
1993	1.435	2.110	9,136,786	24,733,646	1.872
1994	1.493	2.220	9,506,077	26,023,078	1.964
1995	1.553	2.340	9,888,103	27,429,730	2.063
108 STRIPPER GAS					
1989	5.138	4.368	32,711,857	51,197,240	4.639
1990	5.142	4.478	32,739,643	52,491,115	4.712
1991	5.146	4.590	32,764,437	53,802,103	4.786
1992	5.150	4.707	32,792,242	55,176,145	4.863
1993	5.156	4.825	32,827,567	56,560,866	4.942
1994	5.163	4.950	32,875,867	58,021,241	5.025
1995	5.172	5.082	32,932,471	59,565,922	5.113
109 OTHER					
1989	2.632	2.471	16,755,674	28,970,050	2.528
1990	2.610	2.519	16,617,101	29,527,026	2.551
1991	2.585	2.572	16,455,892	30,144,523	2.576
1992	2.565	2.633	16,331,224	30,864,026	2.609
1993	2.552	2.699	16,249,592	31,642,175	2.648
1994	2.546	2.775	16,211,020	32,526,362	2.694
1995	2.546	2.861	16,207,505	33,537,241	2.750

Major Portion
Pricing Calculations

(1) EL PASO STRATA VOLUME TIMES EL PASO PRICE
(2) NW STRATA VOLUME TIMES NW PRICE
(3) EL PASO VALUE PLUS NW VALUE DIVIDED BY TOTAL STRATA VOLUMES

B VALUE ESTIMATE OF RESERVES FROM THE JICARILLA STRATA SETTLEMENT FIGURES

C JICARILLA STRATA ESTIMATE VALUE OF THE RESERVES AT A 10% NET PRESENT VALUE DISCOUNT.

D STRATA ESTIMATE FOR EACH YEAR AT THE 10% NET PRESENT VALUE DISCOUNT.
TIMES THE PERCENTAGE OF SETTLEMENT 87.0714%
(EXAMPLE 1989. 1938255 X 0.870714 = 1687666)

STRATA VALUE AMOUNT	16,907,964
SETTLEMENT VALUE	14,722,000
PERCENTAGE DIFFERENCE	0.870714

E NET PRESENT VALUE DISCOUNT
COLUMN C DIVIDED BY COLUMN B
ACTUAL AMOUNT RECEIVED DIVIDED BY THE STRATA 100% ESTIMATE.

F STRATA NGPA ESTIMATE PRICE FROM THE JICARILLA STRATA SUMMARY REPORT AND VALUE ESTIMATE

G SETTLED PRICE
STRATA NGPA ESTIMATE PRICE TIMES THE NET PRESENT VALUE DISCOUNT
COLUMN E

H SETTLED PRICE AMOUNT PLUS THE ACTUAL MARKET OUT PRICE RECEIVED.

(EXAMPLE: 1989 102 SETTLED AMOUNT	MARKET OUT		PRICE RECEIVED
3.583692 +	1.227	=	4.810692

FOOTNOTES FOR MAJOR PORTION PRICING CALCULATION 1989 THROUGH 1995

(1) EL PASO STRATA VOLUME TIMES EL PASO PRICE
(2) NW STRATA VOLUME TIMES NW PRICE
(3) EL PASO VALUE PLUS NW VALUE DIVIDED BY TOTAL STRATA VOLUMES

B VALUE ESTIMATE OF RESERVES FROM THE JICARILLA STRATA SETTLEMENT FIGURES

C JICARILLA STRATA ESTIMATE VALUE OF THE RESERVES AT A 10% NET PRESENT VALUE DISCOUNT.

D STRATA ESTIMATE FOR EACH YEAR AT THE 10% NET PRESENT VALUE DISCOUNT.
TIMES THE PERCENTAGE OF SETTLEMENT 87.0714%
(EXAMPLE 1989. 1938255 X 0.870714 = 1687666)

STRATA VALUE AMOUNT	16,907,964
SETTLEMENT VALUE	14,722,000
PERCENTAGE DIFFERENCE	0.870714

E NET PRESENT VALUE DISCOUNT
COLUMN C DIVIDED BY COLUMN B
ACTUAL AMOUNT RECEIVED DIVIDED BY THE STRATA 100% ESTIMATE.

F STRATA NGPA ESTIMATE PRICE FROM THE JICARILLA STRATA SUMMARY REPORT AND VALUE ESTIMATE

G SETTLED PRICE
STRATA NGPA ESTIMATE PRICE TIMES THE NET PRESENT VALUE DISCOUNT
COLUMN E

H SETTLED PRICE AMOUNT PLUS THE ACTUAL MARKET OUT PRICE RECEIVED.
(EXAMPLE: 1989 102 SETTLED AMOUNT MARKET OUT PRICE RECEIVED
3.583692 + 1.227 = 4.810692

WEIGHTED AVERAGE PRICING CALCULATION FOR THE MARKET OUT PERIOD

	Reserve Estimate (Strata)	
El Paso	6,367,098	35%
Northwe	11,722,107	65%
Total	18,089,205	

	Pipeline[1]	MARKET OUT PRICE	102 NGPA Price[2]	ELPASO VALUE[3]	NW VALUE[4]	102 Wtd Avg Price[5]	103 NGPA Price[2]	ELPASO VALUE[3]	NW VALUE[4]	103 Wtd Avg Price[5]	104 POST 74 Price[2]	104P74 ELPASO VALUE[3]	104P74 NW VALUE[4]	104P74 Wtd Avg Price[5]	104 BIEN Price[2]	ELPASO VALUE[3]	NW VALUE[4]	104 73/74 Wtd Avg Price[5]
Jan-87	E	$2.500	$4.711	15,917,745	55,224,065	$3.933	$3.354	15,917,745	39,319,135	$3.054	2.786	15,917,745	32,653,289	2.685	$2.363	15,917,745	27,702,902	2.411
Feb-87	E	$2.500	$4.735	15,917,745	55,502,817	$3.948	$3.360	15,917,745	39,388,354	$3.057	2.791	15,917,745	32,716,916	$2.689	$2.367	15,917,745	27,750,131	2.414
Mar-87	E	$2.500	$4.755	15,917,745	55,735,817	$3.961	$3.363	15,917,745	39,425,138	$3.059	2.794	15,917,745	32,753,712	$2.691	$2.369	15,917,745	27,774,653	2.415
Apr-87	E	$2.500	$4.775	15,917,745	55,968,829	$3.974	$3.366	15,917,745	39,461,934	$3.061	2.797	15,917,745	32,790,496	$2.693	$2.372	15,917,745	27,799,188	2.417
May-87	E	$2.500	$4.804	15,917,745	56,312,217	$3.993	$3.377	15,917,745	39,584,571	$3.068	2.806	15,917,745	32,888,610	$2.698	$2.379	15,917,745	27,885,029	2.421
Jun-87	E	$2.500	$4.833	15,917,745	56,655,592	$4.012	$3.387	15,917,745	39,707,207	$3.075	2.814	15,917,745	32,986,712	$2.704	$2.386	15,917,745	27,970,881	2.426
Jul-87	N	$1.590	$4.863	30,960,141	18,638,150	$2.742	$3.398	21,634,380	18,638,150	$2.226	2.822	17,970,688	18,638,150	$2.024	$2.393	15,239,573	18,638,150	1.873
Aug-87	N	$1.590	$4.894	31,159,979	18,638,150	$2.753	$3.408	21,700,993	18,638,150	$2.230	2.832	18,030,641	18,638,150	$2.027	$2.401	15,286,199	18,638,150	1.875
Sep-87	N	$1.590	$4.925	31,359,817	18,638,150	$2.764	$3.419	21,767,605	18,638,150	$2.234	2.841	18,090,594	18,638,150	$2.030	$2.408	15,332,832	18,638,150	1.878
Oct-87	N	$1.590	$4.957	31,559,655	18,638,150	$2.775	$3.430	21,840,878	18,638,150	$2.238	2.851	18,150,540	18,638,150	$2.034	$2.415	15,379,458	18,638,150	1.881
Nov-87	N	$1.590	$4.983	31,726,186	18,638,150	$2.784	$3.438	21,887,511	18,638,150	$2.240	2.857	18,190,512	18,638,150	$2.036	$2.421	15,412,764	18,638,150	1.882
Dec-87	N	$1.590	$5.009	31,892,717	18,638,150	$2.793	$3.445	21,934,137	18,638,150	$2.243	2.863	18,230,479	18,638,150	$2.038	$2.426	15,446,070	18,638,150	1.884
Jan-88	N	$1.590	$5.035	32,059,249	18,638,150	$2.803	$3.452	21,980,763	18,638,150	$2.245	2.870	18,270,445	18,638,150	$2.040	$2.431	15,479,377	18,638,150	1.886
Feb-88	N	$1.495	$5.071	32,289,827	17,524,550	$2.754	$3.466	22,068,565	17,524,550	$2.189	2.880	18,339,006	17,524,550	$1.983	$2.440	15,536,827	17,524,550	1.828
Mar-88	N	$1.495	$5.100	32,469,965	17,524,550	$2.764	$3.474	22,121,941	17,524,550	$2.192	2.887	18,379,036	17,524,550	$1.985	$2.445	15,570,191	17,524,550	1.830
Apr-88	N	$1.242	$5.128	32,650,109	14,558,857	$2.610	$3.483	22,175,316	14,558,857	$2.031	2.893	18,419,066	14,558,857	$1.823	$2.451	15,603,548	14,558,857	1.667
May-88	N	$1.242	$5.155	32,823,574	14,558,857	$2.619	$3.490	22,222,019	14,558,857	$2.033	2.899	18,459,096	14,558,857	$1.825	$2.456	15,636,905	14,558,857	1.669
Jun-88	N	$1.242	$5.182	32,997,046	14,552,996	$2.629	$3.497	22,268,722	14,552,996	$2.036	2.905	18,499,126	14,552,996	$1.827	$2.461	15,670,269	14,552,996	1.671

			104REP SMALL Price[2]	ELPASO VALUE[3]	NW VALUE[4]	104 RS Wtd Avg Price[5]	104 Flowing Small Price[2]	ELPASO VALUE[3]	NW VALUE[4]	104 FS Wtd Avg Price[5]	105 Intrastate Price[7]	108 NGPA Price[2]	ELPASO VALUE[3]	NW VALUE[4]	108 Wtd Avg Price[5]	109 NGPA Price[2]	ELPASO VALUE[3]	NW VALUE[4]	109 Wtd Avg Price[5]
Jan-87	E	2.500	1.347	15,917,745	15,792,585	1.753	0.708	15,917,745	8,293,496	1.338	1.753	5.042	15,917,745	59,108,396	4.148	2.786	15,917,745	32,653,289	2.685
Feb-87	E	2.500	1.349	15,917,745	15,817,577	1.754	0.709	15,917,745	8,312,216	1.339	1.754	5.068	15,917,745	59,402,656	4.164	2.791	15,917,745	32,716,916	2.689
Mar-87	E	2.500	1.350	15,917,745	15,829,850	1.755	0.710	15,917,745	8,324,478	1.340	1.755	5.088	15,917,745	59,647,930	4.177	2.794	15,917,745	15,829,850	1.755
Apr-87	E	2.500	1.351	15,917,745	15,842,111	1.756	0.711	15,917,745	8,336,739	1.341	1.756	5.109	15,917,745	59,893,203	4.191	2.797	15,917,745	15,842,111	1.756
May-87	E	2.500	1.356	15,917,745	15,891,168	1.758	0.713	15,917,745	8,361,273	1.342	1.758	5.141	15,917,745	60,261,113	4.211	2.806	15,917,745	15,891,168	1.758
Jun-87	E	2.500	1.360	15,917,745	15,940,213	1.761	0.715	15,917,745	8,385,796	1.344	1.761	5.172	15,917,745	60,629,023	4.232	2.814	15,917,745	15,940,213	1.761
Jul-87	N	1.590	1.364	(6)	(6)	1.364	0.717	(6)	(6)	0.717	1.364	5.204	33,131,710	18,638,150	2.862	2.822	17,970,688	18,638,150	2.024
Aug-87	N	1.590	1.368			1.368	0.720			0.720	1.368	5.237	33,344,874	18,638,150	2.874	2.832	18,030,641	18,638,150	2.027
Sep-87	N	1.590	1.372			1.372	0.722			0.722	1.372	5.271	33,558,032	18,638,150	2.885	2.841	18,090,594	18,638,150	2.030
Oct-87	N	1.590	1.377			1.377	0.724			0.724	1.377	5.304	33,771,190	18,638,150	2.897	2.851	18,150,540	18,638,150	2.034
Nov-87	N	1.590	1.380			1.380	0.725			0.725	1.380	5.332	33,951,047	18,638,150	2.907	2.857	18,190,512	18,638,150	2.036
Dec-87	N	1.590	1.383			1.383	0.726			0.726	1.383	5.361	34,130,899	18,638,150	2.917	2.863	18,230,479	18,638,150	2.038
Jan-88	N	1.590	1.386			1.386	0.727			0.727	1.386	5.389	34,310,757	18,638,150	2.927	2.870	18,270,445	18,638,150	2.040
Feb-88	N	1.495	1.391			1.391	0.730			0.730	1.391	5.427	34,551,579	17,524,550	2.879	2.880	18,339,006	17,524,550	1.983
Mar-88	N	1.495	1.394			1.394	0.732			0.732	1.394	5.457	34,745,069	17,524,550	2.890	2.887	18,379,036	17,524,550	1.985
Apr-88	N	1.242	1.398			1.398	0.734			0.734	1.398	5.487	34,938,553	14,558,857	2.736	2.893	18,419,066	14,558,857	1.823
May-88	N	1.242	1.401			1.401	0.735			0.735	1.401	5.517	35,125,363	14,558,857	2.747	2.899	18,459,096	14,558,857	1.825
Jun-88	N	1.242	1.404			1.404	0.736			0.736	1.404	5.546	35,312,174	14,552,996	2.757	2.905	18,499,126	14,552,996	1.827

(1) E: El Paso ; N:Northwest
(2) Includes Tax Reimbursement
(3) For El Paso from 1/87 - 6/87 this is the market out price x the Strata volume estimate
For the remainder of the time this is the NGPA category price x the Strata volume estimate
(4) For Northwest from 1/87 - 6/87 this is the NGPA category price x the Strata volume estimate
For the remainder of the time this is the Northwest market out price x the Strata volume estimate
(5) This is the weighted average price
(6) The NW contract terms provided for the lessor of the contract price or the NGPA price
(7) This price is equivalent to the Category 104 replacement price for small producers

EL PASO 2/88	6,367,098	35%
NORTHWEST 2/88	11,722,107	65%
TOTAL	18,089,205	

		M/O PRICE	102 +TAX	ELPASO	NW	102 w/a	103 +TAX	ELPASO	NW	103 w/a	104REP SMALL +TAX	ELPASO	NW	RS w/a	104	104FL SMALL +TAX	ELPASO	NW	SF 104 w/a	RS 105 w/a	107 +TAX	ELPASO	NW	107 w/a	108 STRIPPER +TAX	ELPASO	NW	108 other w/a	109 +TAX	ELPASO	NW	109 w/a
E	Jan-87	2.50	4.71	15,917,745	39,319,135	3.05	3.35	15,917,745	39,319,135	3.05	1.35	15,917,745	15,792,585	1.75	0.71	15,917,745	8,293,496	1.34	1.61	6.66	15,917,745	78,052,177	5.19	5.04	15,917,745	59,108,396	4.15	2.79	15,917,745	32,653,289	2.69
E	Feb-87	2.50	4.73	15,917,745	39,388,354	3.06	3.36	15,917,745	39,388,354	3.06	1.35	15,917,745	15,817,577	1.75	0.71	15,917,745	8,312,216	1.34	1.61	6.67	15,917,745	78,190,603	5.20	5.07	15,917,745	59,402,656	4.16	2.79	15,917,745	32,716,916	2.69
E	Mar-87	2.50	4.75	15,917,745	39,425,138	3.06	3.36	15,917,745	39,425,138	3.06	1.35	15,917,745	15,829,850	1.76	0.71	15,917,745	8,324,478	1.34	1.61	6.68	15,917,745	78,264,183	5.21	5.09	15,917,745	59,647,930	4.18	2.79	15,917,745	15,829,850	1.76
E	Apr-87	2.50	4.77	15,917,745	39,461,934	3.06	3.37	15,917,745	39,461,934	3.06	1.35	15,917,745	15,842,111	1.76	0.71	15,917,745	8,336,739	1.34	1.61	6.68	15,917,745	78,337,763	5.21	5.11	15,917,745	59,893,203	4.19	2.80	15,917,745	15,842,111	1.76
E	May-87	2.50	4.80	15,917,745	39,584,571	3.07	3.38	15,917,745	39,584,571	3.07	1.36	15,917,745	15,891,168	1.76	0.71	15,917,745	8,361,273	1.34	1.61	6.70	15,917,745	78,583,036	5.22	5.14	15,917,745	60,251,113	4.21	2.81	15,917,745	15,891,168	1.76
E	Jun-87	2.50	4.83	15,917,745	39,707,207	3.08	3.39	15,917,745	39,707,207	3.08	1.36	15,917,745	15,940,213	1.76	0.72	15,917,745	8,385,796	1.34	1.62	6.72	15,917,745	78,828,309	5.24	5.17	15,917,745	60,629,023	4.23	2.81	15,917,745	15,940,213	1.76
N	Jul-87	1.59	4.86	21,634,380	18,638,150	2.23	3.40	21,634,380	18,638,150	2.23	1.36			1.36	0.72			0.72	1.36	6.75	42,950,406	18,638,150	3.40	5.20	33,131,710	18,638,150	2.86	2.82	17,970,688	18,638,150	2.02
N	Aug-87	1.59	4.89	21,700,993	18,638,150	2.23	3.41	21,700,993	18,638,150	2.23	1.37			1.37	0.72			0.72	1.37	6.77	43,083,631	18,638,150	3.41	5.24	33,344,874	18,638,150	2.87	2.83	18,030,641	18,638,150	2.03
N	Sep-87	1.59	4.93	21,767,605	18,638,150	2.23	3.42	21,767,605	18,638,150	2.23	1.37			1.37	0.72			0.72	1.37	6.79	43,216,856	18,638,150	3.42	5.27	33,558,032	18,638,150	2.89	2.84	18,090,594	18,638,150	2.03
N	Oct-87	1.59	4.96	21,840,878	18,638,150	2.24	3.43	21,840,878	18,638,150	2.24	1.38			1.38	0.72			0.72	1.38	6.81	43,363,401	18,638,150	3.43	5.30	33,771,190	18,638,150	2.90	2.85	18,150,540	18,638,150	2.03
N	Nov-87	1.59	4.98	21,887,511	18,638,150	2.24	3.44	21,887,511	18,638,150	2.24	1.38			1.38	0.72			0.72	1.38	6.83	43,456,660	18,638,150	3.43	5.33	33,951,047	18,638,150	2.91	2.86	18,190,512	18,638,150	2.04
N	Dec-87	1.59	5.01	21,934,137	18,638,150	2.24	3.44	21,934,137	18,638,150	2.24	1.38			1.38	0.73			0.73	1.38	6.84	43,549,919	18,638,150	3.44	5.36	34,130,899	18,638,150	2.92	2.86	18,230,479	18,638,150	2.04
N	Jan-88	1.59	5.04	21,980,763	18,638,150	2.25	3.45	21,980,763	18,638,150	2.25	1.39			1.39	0.73			0.73	1.39	6.85	43,643,178	18,638,150	3.44	5.39	34,310,757	18,638,150	2.93	2.87	18,270,445	18,638,150	2.04
N	Feb-88	1.50	5.07	22,068,565	17,524,550	2.19	3.47	22,068,565	17,524,550	2.19	1.39			1.39	0.73			0.73	1.39	6.88	43,818,776	17,524,550	3.39	5.43	34,551,579	17,524,550	2.88	2.88	18,339,006	17,524,550	1.98
N	Mar-88	1.50	5.10	22,121,941	17,524,550	2.19	3.47	22,121,941	17,524,550	2.19	1.39			1.39	0.73			0.73	1.39	6.90	43,925,520	17,524,550	3.40	5.46	34,745,069	17,524,550	2.89	2.89	18,379,036	17,524,550	1.98
N	Apr-88	1.24	5.13	22,175,316	14,558,857	2.03	3.48	22,175,316	14,558,857	2.03	1.40			1.40	0.73			0.73	1.40	6.92	44,032,271	14,558,857	3.24	5.49	34,938,553	14,558,857	2.74	2.89	18,419,066	14,558,857	1.82
N	May-88	1.24	5.16	22,222,019	14,558,857	2.03	3.49	22,222,019	14,558,857	2.03	1.40			1.40	0.74			0.74	1.40	6.93	44,125,676	14,558,857	3.24	5.52	35,125,363	14,558,857	2.75	2.90	18,459,096	14,558,857	1.83
N	Jun-88	1.24	5.18	22,268,722	14,552,996	2.04	3.50	22,268,722	14,552,996	2.04	1.40			1.40	0.74			0.74	1.40	6.94	44,219,082	14,552,996	3.25	5.55	35,312,174	14,552,996	2.76	2.91	18,499,126	14,552,996	1.83

18008.00	0.77
5254.00	0.23
23262.00	

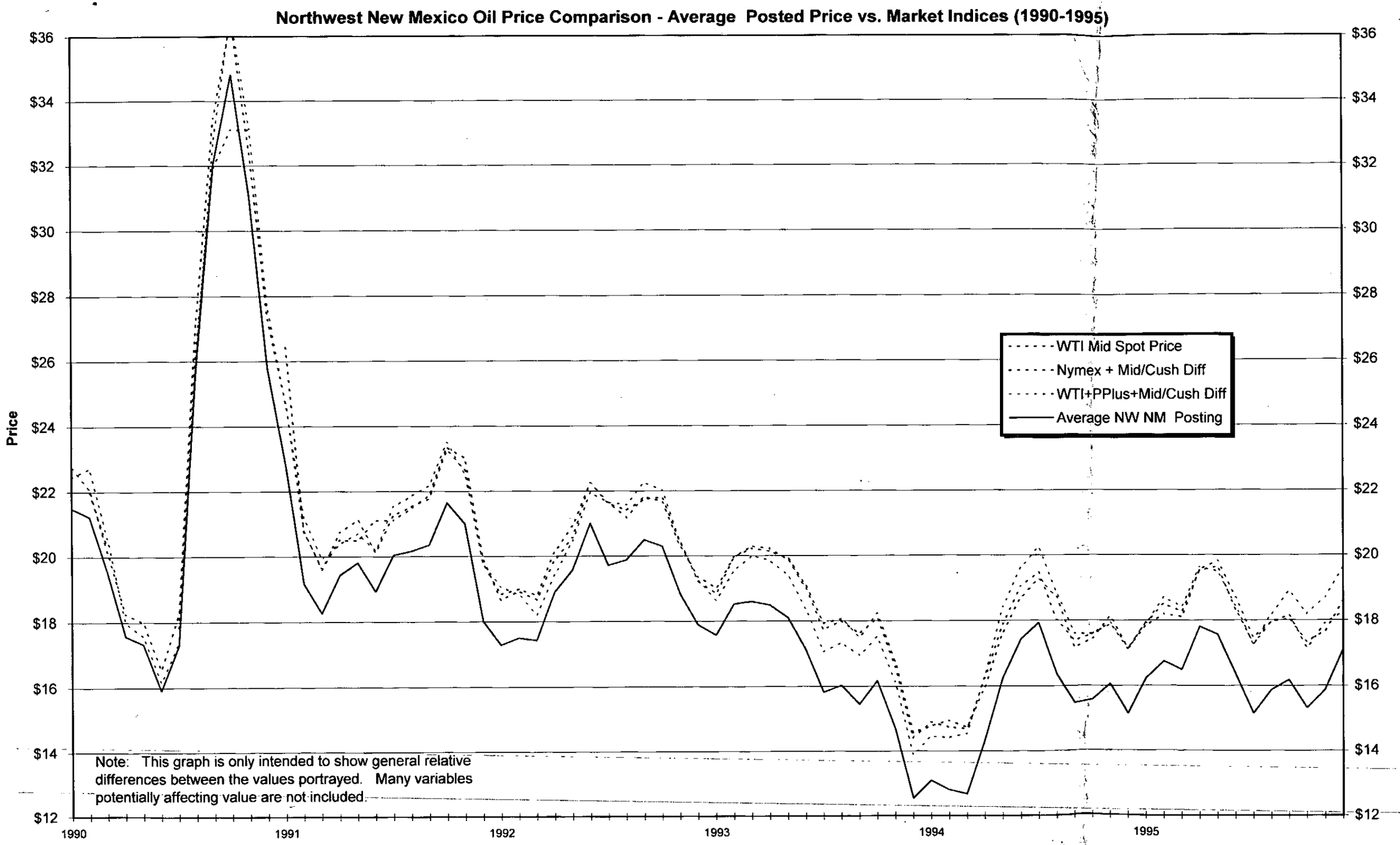
all New Mexico

						NYMEX and Price Differentials					
Sales Peric	Koch WTI	Koch WTS	P Plus	WTI+PPlus	WTI/WTS	MID/CUSH	WY/CUSH	NYMEX FU	NYMEX	Nymex + Mid/Cush Diff	
1990	$21.47	$19.94	$1.12	$22.43	($1.47)	($0.00)	($0.15)	$20.43	$22.74	$22.73	
199002	$21.13	$19.14	$1.77	$22.72	($2.36)	($0.04)	($0.18)	$22.41	$22.13	$22.09	
199003	$19.48	$17.48	$1.38	$20.58	($2.77)	($0.29)	($0.28)	$22.32	$20.45	$20.16	
199004	$17.48	$15.48	$0.75	$18.00	($1.73)	($0.29)	($0.23)	$20.86	$18.55	$18.26	
199005	$17.31	$15.31	$0.48	$17.57	($1.94)	($0.43)	($0.22)	$19.14	$18.42	$17.99	
199006	$15.88	$13.88	$0.43	$16.17	($2.51)	($0.37)	($0.15)	$18.69	$16.93	$16.56	
199007	$17.30	$15.36	$0.30	$17.37	($1.97)	($0.28)	($0.22)	$17.07	$18.53	$18.24	
199008	$25.81	$23.81	$0.28	$25.87	($1.53)	($0.05)	($0.22)	$17.56	$27.25	$27.21	
199009	$31.92	$29.92	$1.03	$32.79	($0.83)	$0.16	($0.17)	$24.17	$33.31	$33.47	
199010	$34.76	$32.73	$1.69	$36.67	($0.80)	$0.48	$0.22	$30.38	$35.97	$36.45	
199011	$31.01	$29.01	$2.11	$33.15	($2.71)	$0.19	$0.03	$37.40	$32.24	$32.42	
199012	$25.80	$23.80	$2.09	$27.62	($1.86)	$0.23	($0.26)	$32.96	$27.06	$27.29	
1991	$23.15	$21.15	$1.93	$24.67	($1.71)	$0.29	($0.40)	$28.90	$24.43	$24.72	
199102	$19.34	$17.07	$2.35	$21.16	($2.63)	$0.22	($0.52)	$26.48	$20.54	$20.77	
199103	$18.61	$16.11	$2.30	$19.93	($3.91)	($0.21)	($0.98)	$21.50	$19.81	$19.60	
199104	$19.63	$17.13	$1.54	$20.39	($2.68)	($0.12)	($0.78)	$19.47	$20.86	$20.73	
199105	$20.00	$17.50	$1.40	$20.72	($1.64)	($0.12)	($0.68)	$20.48	$21.25	$21.13	
199106	$19.00	$16.39	$1.25	$20.18	($2.07)	($0.13)	($0.08)	$21.24	$20.26	$20.13	
199107	$20.23	$17.73	$1.08	$21.53	($1.50)	($0.19)	$0.22	$20.51	$21.44	$21.25	
199108	$20.39	$17.89	$1.26	$21.85	($1.70)	($0.13)	$0.21	$21.08	$21.66	$21.53	
199109	$20.62	$18.12	$1.27	$22.19	($1.74)	($0.12)	$0.30	$21.54	$21.90	$21.78	
199110	$21.94	$19.44	$1.32	$23.50	($1.59)	$0.03	$0.24	$21.77	$23.23	$23.26	
199111	$21.18	$18.68	$1.41	$22.55	($2.21)	$0.23	($0.04)	$22.95	$22.44	$22.66	
199112	$18.27	$15.77	$1.49	$19.74	($2.59)	$0.20	($0.02)	$23.00	$19.53	$19.73	
1992	$17.59	$15.09	$1.28	$19.07	($2.20)	($0.02)	$0.20	$20.36	$18.85	$18.83	
199202	$17.72	$15.22	$1.18	$18.82	($2.21)	($0.08)	($0.08)	$18.73	$19.07	$18.99	
199203	$17.59	$15.52	$1.09	$18.22	($1.96)	($0.13)	($0.46)	$19.12	$18.94	$18.81	
199204	$18.92	$16.67	$1.08	$19.43	($1.88)	($0.13)	($0.56)	$18.75	$20.26	$20.14	
199205	$19.68	$17.43	$1.15	$20.47	($1.48)	($0.11)	($0.36)	$19.87	$21.03	$20.92	
199206	$21.08	$18.83	$1.15	$21.95	($1.39)	($0.13)	($0.27)	$20.62	$22.37	$22.25	
199207	$20.44	$18.19	$1.32	$21.65	($1.10)	($0.09)	($0.11)	$22.08	$21.75	$21.66	
199208	$20.01	$17.76	$1.39	$21.58	($1.30)	($0.13)	$0.18	$21.86	$21.31	$21.18	
199209	$20.57	$18.32	$1.42	$22.26	($1.61)	($0.08)	$0.26	$21.53	$21.89	$21.81	
199210	$20.38	$18.13	$1.46	$22.02	($1.85)	($0.06)	$0.18	$21.75	$21.73	$21.68	
199211	$18.99	$16.74	$1.35	$20.44	($1.81)	($0.05)	$0.10	$21.96	$20.34	$20.29	
199212	$18.07	$15.82	$1.26	$19.23	($1.37)	($0.09)	($0.10)	$20.66	$19.45	$19.37	
1993	$17.74	$15.49	$1.22	$18.65	($1.34)	($0.13)	($0.31)	$19.43	$19.15	$19.02	
199302	$18.73	$16.48	$1.26	$19.54	($1.78)	($0.12)	($0.45)	$19.13	$20.08	$19.96	
199303	$18.94	$16.69	$1.32	$20.00	($1.42)	($0.08)	($0.26)	$19.85	$20.38	$20.29	
199304	$18.86	$16.61	$1.22	$19.86	($1.63)	($0.10)	($0.21)	$20.41	$20.33	$20.23	
199305	$18.48	$16.23	$1.16	$19.41	($1.73)	($0.13)	($0.23)	$20.32	$20.01	$19.88	

199306	$17.51	$15.53	$1.18	$18.38	($1.36)	($0.10)	($0.31)	$20.13	$19.12	$19.01		
199307	$16.19	$13.94	$1.20	$17.06	($1.46)	($0.12)	($0.33)	$19.41	$17.85	$17.73		
199308	$16.39	$14.14	$1.25	$17.34	($1.49)	($0.02)	($0.29)	$18.15	$18.03	$18.01		
199309	$15.88	$13.63	$1.28	$16.96	($1.85)	$0.10	($0.20)	$17.86	$17.50	$17.60		
199310	$16.55	$14.30	$1.27	$17.51	($1.56)	($0.05)	($0.32)	$17.68	$18.15	$18.10		
199311	$15.08	$12.83	$1.37	$16.14	($1.68)	($0.10)	($0.31)	$18.29	$16.70	$16.60		
199312	$12.86	$10.62	$1.26	$13.89	($1.72)	($0.13)	($0.24)	$17.15	$14.54	$14.41		
1994	$13.33	$11.08	$1.23	$14.46	($1.38)	($0.08)	($0.10)	$15.03	$14.99	$14.90		
199402	$13.10	$10.85	$1.34	$14.42	($1.13)	($0.03)	($0.02)	$14.72	$14.76	$14.73		
199403	$13.05	$10.80	$1.49	$14.55	($0.80)	$0.02	$0.01	$14.97	$14.68	$14.70		
199404	$14.73	$12.48	$1.57	$16.31	($0.79)	$0.02	$0.01	$14.63	$16.23	$16.25		
199405	$16.64	$14.39	$1.75	$18.42	($0.76)	($0.01)	$0.03	$15.58	$17.90	$17.89		
199406	$17.81	$15.56	$1.79	$19.63	($0.82)	($0.06)	$0.03	$17.52	$19.09	$19.04		
199407	$18.30	$16.05	$1.82	$20.24	($1.13)	($0.21)	$0.12	$18.70	$19.69	$19.48		
199408	$16.74	$14.49	$1.84	$18.84	($1.36)	($0.27)	$0.26	$19.53	$18.29	$18.01		
199409	$15.88	$13.60	$1.64	$17.60	($1.04)	($0.07)	$0.09	$19.04	$17.46	$17.39		
199410	$16.11	$13.86	$1.40	$17.58	($1.08)	($0.17)	$0.07	$17.34	$17.76	$17.59		
199411	$16.44	$14.19	$1.43	$17.92	($1.03)	($0.22)	$0.05	$17.68	$18.10	$17.88		
199412	$15.48	$13.23	$1.64	$17.18	($0.70)	($0.01)	$0.06	$18.05	$17.15	$17.14		
1995	$16.43	$14.18	$1.59	$17.91	($0.69)	($0.03)	($0.10)	$17.28	$17.96	$17.93		
199502	$17.13	$14.90	$1.68	$18.70	($0.85)	($0.09)	($0.12)	$17.74	$18.60	$18.51		
199503	$16.87	$14.62	$1.71	$18.42	($1.05)	($0.25)	($0.16)	$18.42	$18.51	$18.26		
199504	$18.18	$15.93	$1.68	$19.63	($1.00)	($0.30)	($0.23)	$18.37	$19.82	$19.52		
199505	$17.94	$15.69	$1.79	$19.50	($0.76)	($0.09)	($0.23)	$19.45	$19.74	$19.65		
199506	$16.74	$14.49	$1.85	$18.45	($0.73)	($0.13)	($0.14)	$20.05	$18.45	$18.32		
199507	$15.52	$13.27	$1.83	$17.25	($0.68)	$0.04	($0.10)	$18.77	$17.25	$17.29		
199508	$16.33	$14.08	$1.90	$18.18	($0.78)	$0.11	($0.05)	$17.38	$17.82	$17.93		
199509	$16.55	$14.30	$2.08	$18.88	($1.04)	$0.00	$0.25	$17.62	$18.15	$18.15		
199510	$15.69	$13.44	$2.02	$18.19	($1.29)	($0.23)	$0.48	$18.30	$17.39	$17.16		
199511	$16.27	$14.02	$1.97	$18.72	($1.29)	($0.08)	$0.48	$17.40	$17.97	$17.89		
199512	$17.57	$15.32	$1.98	$19.59	($1.25)	($0.18)	$0.05	$17.71	$18.44	$18.26		

Spot Prices			Posted Data												
			Marathon	Amoco	Arco	Mobil	KOCH	Scurlock	Average SI	Texaco	Marathon	Arco	Texaco	Average NW NM	
WTI Mid	Wyo Sweet		Tx/NM Inte	Tx/NM Inte	Tx/NM Inte	Tx/NM Inte	Tx/NM Inte	Tx/NM Inte	Posting	Tx/NM Inte	Four Corne	Four Corners	Four Corne	Posting	
				21.48		21.43		21.5	21.47					21.485	
$21.99	$21.99			21.22		21.04		21.28	21.18					21.23	
$20.32	$20.38			19.66		19.53		19.51	19.57					19.54	
				17.61		17.59		17.57	17.59					17.58	
$17.92	$18.23			17.27		17.44		17.32	17.34					17.33	
				15.93		15.88		15.91	15.91					15.91	
$17.84	$17.68			17.25		17.28		17.3	17.28					17.29	
$26.27	$25.94			25.45		25.73		25.81	25.66					25.74	
$31.94	$31.69			31.92		31.82		32.12	31.95					32.04	
$33.10	$32.62			34.98		34.77		34.77	34.84					34.81	
$33.10	$32.62			31.33		31.02		31.03	31.13					31.08	
				25.73		25.81		25.81	25.78					25.80	
$26.44	$25.69			23.31		23.15	23.15	23.13	23.19	23.28	22.83	22.53	22.67	22.83	
$20.74	$19.97					19.35	19.34	19.339	19.34	19.35	19.1	18.88	19.35	19.17	
$19.65	$19.00			18.58		18.63	18.61	18.613	18.61	18.63	18.36	18.16	17.9	18.26	
$20.49	$19.92			19.49		19.63	19.63	19.637	19.60	19.63	19.38	19.09	19.63	19.43	
$20.49	$19.92			20		20	20	20	20.00	20	19.75	19.49	20	19.81	
$21.10	$21.16			19.01		19	19	19.025	19.01	19	18.75	18.95	19	18.93	
$21.11	$21.45			20.15		20.23	20.23	20.234	20.21	20.23	19.98	19.72	20.23	20.04	
$21.47	$21.89			20.36		20.39	20.39	20.39	20.38	20.39	20.14	19.88	20.23	20.16	
$21.88	$22.08			20.63		20.61	20.61	20.61	20.62	20.61	20.36	20.08	20.36	20.35	
$23.36	$23.09			21.88		21.88	21.94	21.94	21.91	21.94	21.54	21.4	21.69	21.64	
$23.02	$22.80			21.23		21.18	21.18	21.18	21.19	21.18	21.18	20.68	20.93	20.99	
$19.89	$20.11			18.32		18.28	18.27	18.27	18.29	18.27	17.99	17.74	18.02	18.01	
$18.66	$18.65			17.62		17.61	17.59	17.59	17.60	17.59	17.35	16.87	17.34	17.29	
$18.93	$18.59			17.79		17.72	17.72	17.74	17.74	17.74	17.51	17.27	17.49	17.50	
$18.67	$18.23			17.94		17.78	17.59	17.59	17.73	17.68	17.34	17.37	17.35	17.44	
$19.88	$19.63			19.48		19.36	18.92	18.92	19.17	18.98	18.71	19.17	18.73	18.90	
$20.56	$20.42			20.2		20.15	19.68	19.69	19.93	19.69	19.44	19.71	19.44	19.57	
$22.24	$22.22			21.67		21.52	21.08	21.08	21.34	21.08	20.83	21.28	20.83	21.01	
$21.63	$21.93			21.01		20.87	20.44	20.44	20.69	20.44	17.56	20.65	20.19	19.71	
$21.40	$21.74			20.56		20.27	20	20.58	20.35	20	19.59	20.15	19.76	19.88	
$21.74	$21.98			21.16		20.57	20.58	20.01	20.58	20.58	20.33	20.73	20.33	20.49	
$21.80	$21.95			21.02		20.37	20.38	20.38	20.54	20.38	20.13	20.6	20.09	20.30	
$20.41	$20.39			19.59		18.98	18.99	18.99	19.14	18.99	18.62	19.23	18.49	18.83	
$19.23	$19.05			18.72		18.08	18.07	18.07	18.24	18.1	17.56	18.29	17.6	17.89	
$18.84	$18.51		17.75	18.35		17.77	17.74	17.74	17.87	17.75	17.25	18.04	17.25	17.57	
$19.95	$19.76		18.732	19.33		18.75	18.73	18.73	18.85	18.73	18.232	18.89	18.23	18.52	
$20.23	$20.12		18.975	19.66		18.96	18.94	18.94	19.10	18.97	18.475	18.47	18.47	18.60	
$20.13	$20.02		18.858	19.6		18.87	18.86	18.86	19.01	18.86	18.358	18.38	18.36	18.49	
$19.93	$19.72		18.491	19.27		18.49	18.48	18.48	18.64	18.48	17.991	17.98	17.98	18.11	

$19.09	$18.88		17.516	18.37		17.56	17.51	17.5	17.69	17.5	17.02	17.02	17	17.14
$17.93	$17.66		16.201	17.1		16.19	16.19	16.19	16.37	16.19	15.701	15.7	15.69	15.82
$18.06	$17.76		16.395	17.25		16.4	16.39	16.39	16.57	16.4	15.895	15.9	15.9	16.02
$17.50	$17.24		15.841	16.67		15.83	15.84	15.84	16.00	15.84	15.341	15.28	15.34	15.45
$18.22	$18.02		16.548	17.46		16.56	16.55	16.55	16.73	16.55	16.05	16.03	16.05	16.17
$16.77	$16.67		15.083	15.98		15.07	15.08	15.08	15.26	15.08	14.583	14.56	14.58	14.70
$14.57	$14.55		12.862	18.82		12.86	12.86	12.86	14.05	12.71	12.712	12.35	12.4	12.54
$14.77	$14.78		13.338	14.17		13.33	13.33	13.33	13.50	13.35	13.338	12.85	12.85	13.10
$14.95	$14.95		13.098	14.04		13.1		13.1	13.33	13.1	13.044	12.49	12.6	12.81
$14.73	$14.72		13.048	13.9		13.37	13.1	13.05	13.29	13.05	12.798	12.53	12.35	12.68
$15.96	$16.01		14.725	15.4		15.03	14.73	14.73	14.92	14.73	14.475	14.16	13.98	14.34
$17.63	$17.71		16.604	17.06		16.67		16.58	16.73	16.6	16.354	16.15	15.85	16.24
$18.70	$17.71		17.791	18.37	17.82	17.88	17.81	17.79	17.91	17.79	17.541	17.32	17.04	17.42
$19.26	$19.79		18.298	18.96	18.298	18.48	18.3	18.29	18.44	18.3	18.048	17.798	17.55	17.92
$18.71	$18.87		16.75	17.65	16.74	17.06	16.74	16.74	16.95	16.74	16.5	16.24	15.99	16.37
$17.17	$17.41		15.85	16.68	15.85	16.22	15.85	15.85	16.05	15.85	15.6	15.35	15.1	15.48
$17.45	$17.72		16.145	17.06	16.11	16.56	16.11	16.11	16.35	16.11	15.145	15.61	15.36	15.56
$18.11	$18.18		16.441	17.39	16.44	16.88		16.44	16.72	16.44	16.191	15.94	15.69	16.07
$17.16	$17.09		15.483	16.38	15.491	15.9	15.48	15.48	15.70	15.48	15.233	14.99	14.73	15.11
$17.83	$17.80		17.142	17.23	16.427	16.758	16.43	16.4	16.73	16.4	16.892	15.967	15.65	16.23
$18.20	$18.30		17.142	17.87	17.133	17.41	17.15	17.13	17.31	17.13	16.892	16.633	16.38	16.76
$18.10	$18.17		16.87	17.75	16.87	17.266	16.87	16.87	17.08	16.87	16.62	16.37	16.12	16.50
$19.55	$19.41		18.191	19.06	18.183	18.625	18.18	18.18	18.40	18.18	17.941	17.683	17.43	17.81
$19.82	$19.82		17.943	18.98	17.935	18.443	17.94	17.93	18.20	17.94	17.693	17.435	17.19	17.56
$18.70	$18.54		16.741	17.75	16.74	17.225	16.74	16.74	16.99	16.74	16.491	16.24	15.99	16.37
$17.46	$17.30		15.54	16.5	15.52	16.024	15.52	15.52	15.77	15.52	15.29	15.02	14.77	15.15
$17.96	$18.22		16.241	17	16.241	16.604	16.33	16.25	16.44	16.24	15.991	15.74	15.49	15.87
$18.04	$18.74		16.55	17.37	16.55	16.925	16.55	16.55	16.75	16.55	16.3	16.05	15.8	16.18
$17.34	$17.91		15.701	16.58	15.693	16.145	15.19	15.69	15.83	15.69	15.451	15.193	14.94	15.32
$17.67	$17.91		16.132	17.24	16.275	16.766	16.27	16.27	16.49	16.27	15.882	15.775	15.52	15.86
$18.57	$18.80		17.475	18.32	17.475	17.83	17.56	17.48	17.69	17.48	17.225	16.975	16.73	17.10


Northwest New Mexico Oil Price Comparison - Average Posted Price vs. Market Indices (1990-1995)
Price
$36
$34
$32
$30
$28
$26
$24
$22
$20
$18
$16
$14
$12
1990
1991
1992
1993
1994
1995
WTI Mid Spot Price
Nymex + Mid/Cush Diff
WTI+PPlus+Mid/Cush Diff
Average NW NM Posting
Note: This graph is only intended to show general relative differences between the values portrayed. Many variables potentially affecting value are not included.

Aug-87	1.87461	1.179	1.59
Sep-87	1.97955	1.245	1.59
Oct-87	1.99227	1.253	1.59
Nov-87			1.59
Dec-87			1.59

104		104	104	104
POST 74		POST 74	73/74	73/74
PRICE	SPOT	DIFF	PRICE	DIFF
2.881	1.73	1.151	2.432	0.702
2.969	1.82	1.149	2.506	0.686
3.091	1.91	1.181	2.608	0.698
3.217	2.01	1.207	2.715	0.705
3.349	2.11	1.239	2.826	0.716
3.487	2.22	1.267	2.942	0.722
3.63	2.34	1.29	3.062	0.722

503-006916-0 DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR

1	2	3	4	5	6	7	8	9	10

Jan-90

WELLHEAD VALUE	WELLH. MCF	WELLHEAD BTU	WELLHEAD MMBTU	MMBTU RATE	RESIDUE MMBTU	RESIDUE VALUE	PROCESSED VALUE	PROCESSED HIGHEST VALUE
176.70	72.10	1.22400	88.25	2.00	44.25	88.50	275.40	275.40

PRODUCT	GPM @14.65	GPM @14.73 C2X1.0055	WELLHEAD MCF @14.73	THEORET. PRODUCT GALLONS (COL 3 X 4)	MMBTU PER GALLON	THEOR LIQUID MMBTU COL 5X6	PROCESS FACTOR (COL 5 X 1)	NGLP PRICE	NGLP VALUE COL 8X9
ETHANE	2.243	2.25534	72.10	162.61	0.065869	11	162.61	0.1413	22.97
PROPANE	2.007	2.01804	72.10	145.50	0.090930	13	145.50	0.6350	92.39
NOR-BUTANE	1.029	1.03466	72.10	74.60	0.102911	8	74.60	0.3838	28.63
ISO-BUTANE	0.411	0.41326	72.10	29.80	0.098917	3	29.80	0.4375	13.04
ISO-PENTANE	0.34	0.34187	72.10	24.65	0.108805	3	24.65	0.4100	10.11
NOR-PENTANE	0.321	0.32277	72.10	23.27	0.110091	3	23.27	0.4100	9.54
HEXANE	0.344	0.34589	72.10	24.94	0.115021	3	24.94	0.4100	10.22
						44			186.90

Feb-90

WELLHEAD VALUE	WELLH. MCF	WELLHEAD BTU	WELLHEAD MMBTU	MMBTU RATE	RESIDUE MMBTU	RESIDUE VALUE	PROCESSED VALUE	PROCESSED HIGHEST VALUE
193.24	88.38	1.22400	108.18	1.79	64.18	114.88	231.84	231.84

PRODUCT	GPM @14.65	GPM @14.73 C2X1.0055	WELLHEAD MCF @14.73	THEORET. PRODUCT GALLONS (COL 3 X 4)	MMBTU PER GALLON	THEOR LIQUID MMBTU COL 5X6	PROCESS FACTOR (COL 5 X 1)	NGLP PRICE	NGLP VALUE COL 8X9
ETHANE	2.243	2.25534	72.10	162.61	0.065869	11	162.61	0.1150	18.70
PROPANE	2.007	2.01804	72.10	145.50	0.090930	13	145.50	0.2538	36.92
NOR-BUTANE	1.029	1.03466	72.10	74.60	0.102911	8	74.60	0.2800	20.89
ISO-BUTANE	0.411	0.41326	72.10	29.80	0.098917	3	29.80	0.4375	13.04
ISO-PENTANE	0.34	0.34187	72.10	24.65	0.108805	3	24.65	0.3763	9.27
NOR-PENTANE	0.321	0.32277	72.10	23.27	0.110091	3	23.27	0.3763	8.76
HEXANE	0.344	0.34589	72.10	24.94	0.115021	3	24.94	0.3763	9.38
						44			116.96

Mar-90

WELLHEAD VALUE	WELLH. MCF	WELLHEAD BTU	WELLHEAD MMBTU	MMBTU RATE	RESIDUE MMBTU	RESIDUE VALUE	PROCESSED VALUE	PROCESSED HIGHEST VALUE
93.40	77.41	1.22400	94.75	0.99	50.75	50.24	160.92	160.92

PRODUCT	GPM @14.65	GPM @14.73	WELLHEAD MCF	THEORET. PRODUCT GALLONS	MMBTU PER	THEOR LIQUID MMBTU	PROCESS FACTOR (COL 5 X	NGLP	NGLP VALUE

ISO-BUTANE	0.411
ISO-PENTANE	0.34
NOR-PENTANE	0.321
HEXANE	0.344

Nov-90

WELLHEAD VALUE	WELLH. MCF
115.55	63.37

PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6 1)		PRICE	COL 8X9
ETHANE	2.243	2.25534	72.10	162.61	0.065869	11	162.61	0.1188	19.31
PROPANE	2.007	2.01804	72.10	145.50	0.090930	13	145.50	0.2088	30.37
NOR-BUTANE	1.029	1.03466	72.10	74.60	0.102911	8	74.60	0.2513	18.74
ISO-BUTANE	0.411	0.41326	72.10	29.80	0.098917	3	29.80	0.4400	13.11
ISO-PENTANE	0.34	0.34187	72.10	24.65	0.108805	3	24.65	0.4000	9.86
NOR-PENTANE	0.321	0.32277	72.10	23.27	0.110091	3	23.27	0.4000	9.31
HEXANE	0.344	0.34589	72.10	24.94	0.115021	3	24.94	0.4000	9.98
						44			110.68

Apr-90

1	2	3	4	5	6	7	8	9	10
WELLHEAD VALUE	WELLH. MCF	WELLHEAD BTU	WELLHEAD MMBTU	MMBTU RATE	RESIDUE MMBTU	RESIDUE VALUE	PROCESSED VALUE	HIGHEST VALUE	
115.10	97.17	1.21500	118.06	0.97	74.06	71.84	182.38	182.38	

PRODUCT	GPM @14.65	GPM @14.73 C2X1.0055	WELLHEAD MCF @14.73	THEORET. PRODUCT GALLONS (COL 3 X 4)	MMBTU PER GALLON	THEOR LIQUID MMBTU COL 5X6 1)	PROCESS FACTOR (COL 5 X	NGLP PRICE	NGLP VALUE COL 8X9
ETHANE	2.243	2.25534	72.10	162.61	0.065869	11	162.61	0.1150	18.70
PROPANE	2.007	2.01804	72.10	145.50	0.090930	13	145.50	0.2100	30.56
NOR-BUTANE	1.029	1.03466	72.10	74.60	0.102911	8	74.60	0.2500	18.65
ISO-BUTANE	0.411	0.41326	72.10	29.80	0.098917	3	29.80	0.4250	12.66
ISO-PENTANE	0.34	0.34187	72.10	24.65	0.108805	3	24.65	0.4113	10.14
NOR-PENTANE	0.321	0.32277	72.10	23.27	0.110091	3	23.27	0.4113	9.57
HEXANE	0.344	0.34589	72.10	24.94	0.115021	3	24.94	0.4113	10.26
						44			110.54

PRODUCT	GPM @14.65
ETHANE	2.243
PROPANE	2.007
NOR-BUTANE	1.029
ISO-BUTANE	0.411
ISO-PENTANE	0.34
NOR-PENTANE	0.321
HEXANE	0.344

Dec-90

WELLHEAD VALUE	WELLH. MCF
133.24	60.79

May-90

WELLHEAD VALUE	WELLH. MCF	WELLHEAD BTU	WELLHEAD MMBTU	MMBTU RATE	RESIDUE MMBTU	RESIDUE VALUE	PROCESSED VALUE	HIGHEST VALUE
96.06	80.23	1.21500	97.48	0.99	53.48	52.94	162.37	162.37

PRODUCT	GPM @14.65	GPM @14.73 C2X1.0055	WELLHEAD MCF @14.73	THEORET. PRODUCT GALLONS (COL 3 X 4)	MMBTU PER GALLON	THEOR LIQUID MMBTU COL 5X6 1)	PROCESS FACTOR (COL 5 X	NGLP PRICE	NGLP VALUE COL 8X9
ETHANE	2.243	2.25534	72.10	162.61	0.065869	11	162.61	0.1150	18.70
PROPANE	2.007	2.01804	72.10	145.50	0.090930	13	145.50	0.2213	32.19
NOR-BUTANE	1.029	1.03466	72.10	74.60	0.102911	8	74.60	0.2488	18.56
ISO-BUTANE	0.411	0.41326	72.10	29.80	0.098917	3	29.80	0.3788	11.29
ISO-PENTANE	0.34	0.34187	72.10	24.65	0.108805	3	24.65	0.3938	9.71
NOR-PENTANE	0.321	0.32277	72.10	23.27	0.110091	3	23.27	0.3938	9.16
HEXANE	0.344	0.34589	72.10	24.94	0.115021	3	24.94	0.3938	9.82

503-006916-0	DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR								
1	2	3	4	5	6	7	8	9	10
Jan-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
129.45	52.50	1.20600	63.32	2.04	31.32	63.88	182.30	182.30	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1600	18.94
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.3200	33.90
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.4688	25.46
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.5225	11.34
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.5425	9.74
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.5425	9.19
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.5425	9.85
						32			118.42
Feb-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
150.45	74.66	1.20600	90.04	1.67	58.04	96.93	198.36	198.36	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1450	17.17
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.2350	24.90
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.4225	22.95
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4488	9.74
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.5025	9.02
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.5025	8.52
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.5025	9.13
						32			101.43
Mar-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
117.05	83.46	1.20600	100.65	1.16	68.65	79.64	176.59	176.59	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1288	15.24
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.2700	28.61
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3325	18.06
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.3988	8.65
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4975	8.93
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4975	8.43
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4975	9.03
						32			96.95
1	2	3	4	5	6	7	8	9	10
Apr-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	

VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
92.61	71.68	1.22500	87.81	1.05	55.81	58.60	154.70	154.70	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1350	15.98
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.2663	28.21
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3138	17.04
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4063	8.81
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4913	8.82
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4913	8.32
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4913	8.92
						32			96.10
May-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
97.82	75.48	1.22500	92.46	1.06	60.46	64.09	162.65	162.65	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1375	16.28
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.2788	29.53
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3275	17.79
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4413	9.57
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4788	8.59
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4788	8.11
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4788	8.69
						32			98.56
Jun-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
92.02	71.45	1.22800	87.74	1.05	55.74	58.53	149.24	149.24	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1313	15.54
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.2525	26.75
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3075	16.70
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4200	9.11
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4263	7.65
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4263	7.22
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4263	7.74
						32			90.71
503-006916-0	**DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR**								
1	2	3	4	5	6	7	8	9	10
Jul-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
83.12	64.33	1.22700	78.93	1.05	46.93	49.28	140.42	140.42	

				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1263	14.95
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.2575	27.28
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3188	17.31
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4363	9.46
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4175	7.49
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4175	7.07
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4175	7.58
						32			91.14
Aug-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
92.96	71.49	1.22700	87.72	1.06	55.72	59.06	157.67	157.67	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1275	15.10
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.2650	28.08
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3588	19.49
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4825	10.47
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4800	8.62
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4800	8.13
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4800	8.72
						32			98.61
Sep-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
86.12	65.75	1.22700	80.68	1.07	48.68	52.08	158.01	158.01	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1375	16.28
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.3013	31.92
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3888	21.12
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4800	10.41
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4938	8.86
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4938	8.37
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4938	8.97
						32			105.93
1	2	3	4	5	6	7	8	9	10
Oct-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
164.00	100.45	1.21900	122.45	1.34	90.45	121.20	238.43	238.43	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE

PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1688	19.98
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.3538	37.48
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.4125	22.41
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4900	10.63
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.5038	9.04
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.5038	8.54
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.5038	9.15
						32			117.23
Nov-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
171.82	106.73	1.21900	130.10	1.32	98.10	129.50	247.35	247.35	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1563	18.50
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.3725	39.47
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.4275	23.22
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4675	10.14
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.5000	8.97
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.5000	8.47
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.5000	9.08
						32			117.85
Dec-91								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
219.17	93.77	1.21900	114.31	1.92	82.31	158.03	259.33	259.33	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	52.50	118.41	0.065869	8	118.41	0.1550	18.35
PROPANE	2.007	2.01804	52.50	105.95	0.090930	10	105.95	0.3013	31.92
NOR-BUTANE	1.029	1.03466	52.50	54.32	0.102911	6	54.32	0.3650	19.83
ISO-BUTANE	0.411	0.41326	52.50	21.70	0.098917	2	21.70	0.4050	8.79
ISO-PENTANE	0.34	0.34187	52.50	17.95	0.108805	2	17.95	0.4225	7.58
NOR-PENTANE	0.321	0.32277	52.50	16.95	0.110091	2	16.95	0.4225	7.16
HEXANE	0.344	0.34589	52.50	18.16	0.115021	2	18.16	0.4225	7.67
						32			101.30

503-006916-0	DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR								
1	2	3	4	5	6	7	8	9	10
Jan-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
193.35	85.87	1.19400	102.53	1.89	51.53	97.39	240.71	240.71	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1413	27.36
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2338	40.51
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3225	28.65
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.3713	13.17
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.3875	11.38
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.3875	10.74
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.3875	11.51
						51			143.32
Feb-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
106.29	75.95	1.19400	90.68	1.17	39.68	46.43	193.82	193.82	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1413	27.36
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2425	42.02
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3025	26.88
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.3713	13.17
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4375	12.84
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4375	12.13
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4375	12.99
						51			147.39
Mar-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
83.90	74.26	1.19400	88.67	0.95	37.67	35.78	185.61	185.61	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1475	28.57
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2388	41.37
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.2963	26.32
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.3850	13.66
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4600	13.50
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4600	12.75
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4600	13.66
						51			149.83
1	2	3	4	5	6	7	8	9	10
Apr-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	

VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
93.85	76.21	1.22200	93.13	1.01	42.13	42.55	191.64	191.64	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1488	28.81
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2438	42.24
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.2900	25.77
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.3913	13.88
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4425	12.99
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4425	12.26
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4425	13.14
						51			149.09
May-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU.	RATE	MMBTU	VALUE	VALUE	VALUE	
110.40	79.95	1.22200	97.70	1.13	46.70	52.77	207.93	207.93	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1500	29.05
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2600	45.06
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3038	26.99
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.3988	14.15
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4600	13.50
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4600	12.75
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4600	13.66
						51			155.16
Jun-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
117.96	75.38	1.22200	92.11	1.28	41.11	52.63	216.67	216.67	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1650	31.95
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2675	46.35
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3250	28.88
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.4163	14.77
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4850	14.24
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4850	13.44
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4850	14.41
						51			164.04
503-006916-0	**DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR**								
1	2	3	4	5	6	7	8	9	10
Jul-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
104.53	78.04	1.20000	93.65	1.12	42.65	47.77	210.23	210.23	

				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1663	32.20
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2538	43.97
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3275	29.10
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.4563	16.19
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4725	13.87
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4725	13.10
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4725	14.03
						51			162.46
Aug-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
137.31	80.88	1.20000	97.06	1.41	46.06	64.94	223.72	223.72	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1500	29.05
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2575	44.62
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3188	28.32
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.5275	18.72
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4388	12.88
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4388	12.16
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4388	13.03
						51			158.78
Sep-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
142.74	76.67	1.20000	92.00	1.55	41.00	63.56	238.22	238.22	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1700	32.92
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.2988	51.77
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3488	30.99
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.5250	18.63
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4650	13.65
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4650	12.89
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4650	13.81
						51			174.66
1	2	3	4	5	6	7	8	9	10
Oct-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
190.01	75.23	1.20700	90.80	2.09	39.80	83.19	261.93	261.93	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE

PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1875	36.31
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.3088	53.50
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3513	31.21
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.4650	16.50
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4750	13.94
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4750	13.17
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4750	14.11
						51			178.74
Nov-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
145.42	68.97	1.20700	83.25	1.75	32.25	56.43	235.72	235.72	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1963	38.01
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.3300	57.19
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3388	30.10
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.4088	14.51
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4550	13.36
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4550	12.61
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4550	13.51
						51			179.29
Dec-92								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
135.94	66.87	1.20700	80.71	1.68	29.71	49.92	224.77	224.77	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	85.87	193.67	0.065869	13	193.67	0.1650	31.95
PROPANE	2.007	2.01804	85.87	173.29	0.090930	16	173.29	0.3575	61.95
NOR-BUTANE	1.029	1.03466	85.87	88.85	0.102911	9	88.85	0.3388	30.10
ISO-BUTANE	0.411	0.41326	85.87	35.49	0.098917	4	35.49	0.3938	13.97
ISO-PENTANE	0.34	0.34187	85.87	29.36	0.108805	3	29.36	0.4250	12.48
NOR-PENTANE	0.321	0.32277	85.87	27.72	0.110091	3	27.72	0.4250	11.78
HEXANE	0.344	0.34589	85.87	29.70	0.115021	3	29.70	0.4250	12.62
						51			174.85

503-006916-0	DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR								
1	2	3	4	5	6	7	8	9	10
Jan-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
137.89	69.79	1.20100	83.82	1.65	42.82	70.65	233.09	233.09	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1638	25.77
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.4913	69.19
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3550	25.63
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.4025	11.61
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.4288	10.23
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.4288	9.66
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.4288	10.35
						41			162.44
Feb-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
117.71	62.64	1.20100	75.23	1.56	34.23	53.40	199.26	199.26	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1800	28.33
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3450	48.59
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3500	25.27
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.4138	11.93
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.4500	10.74
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.4500	10.14
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.4500	10.86
						41			145.86
Mar-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
126.04	65.10	1.20100	78.19	1.61	37.19	59.87	207.66	207.66	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1963	30.89
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3363	47.36
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3413	24.64
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.4263	12.29
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.4625	11.03
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.4625	10.42
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.4625	11.16
						41			147.79
1	2	3	4	5	6	7	8	9	10
Apr-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	

VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
135.84	67.10	1.19700	80.32	1.69	39.32	66.45	213.72	213.72	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.2025	31.87
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3300	46.48
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3338	24.10
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.4350	12.55
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.4575	10.92
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.4575	10.31
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.4575	11.04
						41			147.27
May-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
161.95	72.32	1.19700	86.57	1.87	45.57	85.21	226.96	226.96	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1950	30.69
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3213	45.24
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3288	23.74
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.4200	12.11
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.4250	10.14
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.4250	9.57
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.4250	10.26
						41			141.75
Jun-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
114.35	62.18	1.19700	74.43	1.54	33.43	51.48	193.35	193.35	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1888	29.71
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3363	47.36
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3425	24.73
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.4050	11.68
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.4025	9.60
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.4025	9.07
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.4025	9.72
						41			141.87
503-006916-0	**DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR**								
1	2	3	4	5	6	7	8	9	10
Jul-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
118.06	63.99	1.19900	76.72	1.54	35.72	55.01	194.17	194.17	

				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1863	29.32
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3300	46.48
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3375	24.37
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.3925	11.32
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.3925	9.36
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.3925	8.84
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.3925	9.47
						41			139.16
Aug-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
124.37	63.87	1.19900	76.58	1.62	35.58	57.64	195.63	195.63	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1763	27.74
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3363	47.36
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3438	24.82
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.3875	11.18
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.3813	9.10
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.3813	8.59
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.3813	9.20
						41			137.99
Sep-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
123.95	60.02	1.19900	71.96	1.72	30.96	53.26	188.54	188.54	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1700	26.76
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3463	48.77
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3350	24.19
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.3588	10.35
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.3575	8.53
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.3575	8.05
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.3575	8.63
						41			135.28
1	2	3	4	5	6	7	8	9	10
Oct-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
104.73	56.70	1.21000	68.61	1.53	27.61	42.24	172.07	172.07	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE

PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1563	24.59
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3350	47.18
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3263	23.56
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.3375	9.73
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.3513	8.38
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.3513	7.91
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.3513	8.48
						41			129.83
Nov-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
117.45	62.05	1.21000	75.08	1.56	34.08	53.17	176.91	176.91	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1438	22.63
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.3175	44.72
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.3188	23.02
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.3288	9.48
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.3388	8.08
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.3388	7.63
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.3388	8.18
						41			123.74
Dec-93								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
137.41	54.14	1.16800	63.24	2.17	22.24	48.25	161.78	161.78	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	69.79	157.40	0.065869	10	157.40	0.1398	22.00
PROPANE	2.007	2.01804	69.79	140.84	0.090930	13	140.84	0.2750	38.73
NOR-BUTANE	1.029	1.03466	69.79	72.21	0.102911	7	72.21	0.2988	21.57
ISO-BUTANE	0.411	0.41326	69.79	28.84	0.098917	3	28.84	0.3250	9.37
ISO-PENTANE	0.34	0.34187	69.79	23.86	0.108805	3	23.86	0.3100	7.40
NOR-PENTANE	0.321	0.32277	69.79	22.53	0.110091	2	22.53	0.3100	6.98
HEXANE	0.344	0.34589	69.79	24.14	0.115021	3	24.14	0.3100	7.48
						41			113.53

503-006916-0	DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR								
1	2	3	4	5	6	7	8	9	10
Jan-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
112.12	60.81	1.18000	71.76	1.56	37.76	58.90	157.41	157.41	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1550	21.26
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2588	31.75
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.2863	18.01
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3300	8.29
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3125	6.50
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3125	6.13
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3125	6.57
						34			98.51
Feb-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
128.01	59.63	1.19300	71.14	1.80	37.14	66.85	169.88	169.88	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1750	24.00
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2800	34.36
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.2713	17.07
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3100	7.79
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3225	6.70
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3225	6.33
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3225	6.78
						34			103.03
Mar-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
118.77	61.26	1.19300	73.08	1.63	39.08	63.71	163.71	163.71	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1650	22.63
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2700	33.13
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.2650	16.67
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.2963	7.44
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3275	6.81
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3275	6.43
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3275	6.89
						34			100.00
1	2	3	4	5	6	7	8	9	10
Apr-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	

VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
91.86	57.77	1.18800	68.63	1.34	34.63	46.41	148.21	148.21	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1613	22.11
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2863	35.13
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.2675	16.83
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3025	7.60
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3275	6.81
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3275	6.43
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3275	6.89
						34			101.80
May-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
96.62	59.98	1.18400	71.02	1.36	37.02	50.34	154.75	154.75	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1675	22.97
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2875	35.28
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.2850	17.93
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3225	8.10
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3275	6.81
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3275	6.43
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3275	6.89
						34			104.41
Jun-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
73.72	50.99	1.18400	60.37	1.22	26.37	32.17	136.19	136.19	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1588	21.77
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2788	34.21
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.2925	18.40
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3450	8.67
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3413	7.09
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3413	6.70
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3413	7.18
						34			104.02
503-006916-0	**DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR**								
1	2	3	4	5	6	7	8	9	10
Jul-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
87.79	55.24	1.21000	66.84	1.31	32.84	43.02	151.86	151.86	

				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1525	20.91
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2838	34.82
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.3163	19.90
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3738	9.39
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3875	8.06
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3875	7.61
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3875	8.15
						34			108.84
Aug-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
83.14	55.63	1.19100	66.26	1.25	32.26	40.32	152.41	152.41	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1550	21.26
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2938	36.05
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.3138	19.74
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3700	9.30
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.4188	8.71
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.4188	8.22
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.4188	8.81
						34			112.09
Sep-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
73.04	54.81	1.19700	65.61	1.11	31.61	35.08	145.30	145.30	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1550	21.26
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2975	36.51
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.3188	20.06
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3475	8.73
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3850	8.00
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3850	7.56
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3850	8.10
						34			110.22
1	2	3	4	5	6	7	8	9	10
Oct-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
97.10	66.52	1.19100	79.23	1.23	45.23	55.63	167.99	167.99	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE

PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1588	21.77
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.2963	36.35
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.3500	22.02
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3588	9.02
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3775	7.85
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3775	7.41
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3775	7.94
						34			112.36
Nov-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
106.90	63.06	1.19700	75.48	1.42	41.48	58.91	177.42	177.42	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1638	22.46
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.3063	37.58
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.3863	24.30
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.3938	9.90
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3950	8.21
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3950	7.75
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3950	8.31
						34			118.51
Dec-94								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
112.67	65.83	1.21600	80.05	1.41	46.05	64.93	179.75	179.75	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.81	137.15	0.065869	9	137.15	0.1525	20.91
PROPANE	2.007	2.01804	60.81	122.72	0.090930	11	122.72	0.3025	37.12
NOR-BUTANE	1.029	1.03466	60.81	62.92	0.102911	6	62.92	0.3813	23.99
ISO-BUTANE	0.411	0.41326	60.81	25.13	0.098917	2	25.13	0.4100	10.30
ISO-PENTANE	0.34	0.34187	60.81	20.79	0.108805	2	20.79	0.3663	7.61
NOR-PENTANE	0.321	0.32277	60.81	19.63	0.110091	2	19.63	0.3663	7.19
HEXANE	0.344	0.34589	60.81	21.03	0.115021	2	21.03	0.3663	7.70
						34			114.82

503-006916-0	DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR								
1	2	3	4	5	6	7	8	9	10
Jan-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
123.58	74.01	1.21600	90.00	1.37	45.00	61.64	203.20	203.20	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	74.01	166.92	0.065869	11	166.92	0.1400	23.37
PROPANE	2.007	2.01804	74.01	149.36	0.090930	14	149.36	0.2950	44.06
NOR-BUTANE	1.029	1.03466	74.01	76.58	0.102911	8	76.58	0.4150	31.78
ISO-BUTANE	0.411	0.41326	74.01	30.59	0.098917	3	30.59	0.4338	13.27
ISO-PENTANE	0.34	0.34187	74.01	25.30	0.108805	3	25.30	0.3888	9.84
NOR-PENTANE	0.321	0.32277	74.01	23.89	0.110091	3	23.89	0.3888	9.29
HEXANE	0.344	0.34589	74.01	25.60	0.115021	3	25.60	0.3888	9.95
						45			141.56
Feb-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
93.05	64.52	1.20000	77.42	1.20	38.42	46.11	171.01	171.01	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	64.52	145.51	0.065869	10	145.51	0.1275	18.55
PROPANE	2.007	2.01804	64.52	130.20	0.090930	12	130.20	0.3363	43.78
NOR-BUTANE	1.029	1.03466	64.52	66.76	0.102911	7	66.76	0.3725	24.87
ISO-BUTANE	0.411	0.41326	64.52	26.66	0.098917	3	26.66	0.4175	11.13
ISO-PENTANE	0.34	0.34187	64.52	22.06	0.108805	2	22.06	0.4075	8.99
NOR-PENTANE	0.321	0.32277	64.52	20.83	0.110091	2	20.83	0.4075	8.49
HEXANE	0.344	0.34589	64.52	22.32	0.115021	3	22.32	0.4075	9.09
						39			124.90
Mar-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
100.74	71.39	1.18400	84.53	1.19	40.53	48.23	183.48	183.48	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	71.39	161.01	0.065869	11	161.01	0.1238	19.92
PROPANE	2.007	2.01804	71.39	144.07	0.090930	13	144.07	0.3138	45.20
NOR-BUTANE	1.029	1.03466	71.39	73.86	0.102911	8	73.86	0.3700	27.33
ISO-BUTANE	0.411	0.41326	71.39	29.50	0.098917	3	29.50	0.4150	12.24
ISO-PENTANE	0.34	0.34187	71.39	24.41	0.108805	3	24.41	0.4238	10.34
NOR-PENTANE	0.321	0.32277	71.39	23.04	0.110091	3	23.04	0.4238	9.76
HEXANE	0.344	0.34589	71.39	24.69	0.115021	3	24.69	0.4238	10.46
						44			135.25
1	2	3	4	5	6	7	8	9	10
Apr-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	

VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
94.21	63.74	1.18700	75.66	1.25	37.66	47.07	168.21	168.21	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	63.74	143.76	0.065869	9	143.76	0.1325	19.05
PROPANE	2.007	2.01804	63.74	128.63	0.090930	12	128.63	0.3088	39.71
NOR-BUTANE	1.029	1.03466	63.74	65.95	0.102911	7	65.95	0.3575	23.58
ISO-BUTANE	0.411	0.41326	63.74	26.34	0.098917	3	26.34	0.4125	10.87
ISO-PENTANE	0.34	0.34187	63.74	21.79	0.108805	2	21.79	0.4338	9.45
NOR-PENTANE	0.321	0.32277	63.74	20.57	0.110091	2	20.57	0.4338	8.92
HEXANE	0.344	0.34589	63.74	22.05	0.115021	3	22.05	0.4338	9.56
						38			121.14
May-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
98.44	64.36	1.18700	76.40	1.29	37.40	48.24	173.00	173.00	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	64.36	145.15	0.065869	10	145.15	0.1388	20.14
PROPANE	2.007	2.01804	64.36	129.88	0.090930	12	129.88	0.3088	40.10
NOR-BUTANE	1.029	1.03466	64.36	66.59	0.102911	7	66.59	0.3675	24.47
ISO-BUTANE	0.411	0.41326	64.36	26.60	0.098917	3	26.60	0.4238	11.27
ISO-PENTANE	0.34	0.34187	64.36	22.00	0.108805	2	22.00	0.4425	9.74
NOR-PENTANE	0.321	0.32277	64.36	20.77	0.110091	2	20.77	0.4425	9.19
HEXANE	0.344	0.34589	64.36	22.26	0.115021	3	22.26	0.4425	9.85
						39			124.76
Jun-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
90.94	60.98	1.17800	71.83	1.27	37.83	48.05	162.27	162.27	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	60.98	137.53	0.065869	9	137.53	0.1213	16.68
PROPANE	2.007	2.01804	60.98	123.06	0.090930	11	123.06	0.3125	38.46
NOR-BUTANE	1.029	1.03466	60.98	63.09	0.102911	6	63.09	0.3525	22.24
ISO-BUTANE	0.411	0.41326	60.98	25.20	0.098917	2	25.20	0.3863	9.73
ISO-PENTANE	0.34	0.34187	60.98	20.85	0.108805	2	20.85	0.4400	9.17
NOR-PENTANE	0.321	0.32277	60.98	19.68	0.110091	2	19.68	0.4400	8.66
HEXANE	0.344	0.34589	60.98	21.09	0.115021	2	21.09	0.4400	9.28
						34			114.22
503-006916-0	**DUAL ACCOUNTING EXAMPLE WITHOUT PLANT EFFICIENCY FACTOR**								
1	2	3	4	5	6	7	8	9	10
Jul-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
88.50	65.69	1.17800	77.38	1.14	38.38	43.76	163.53	163.53	

				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	65.69	148.15	0.065869	10	148.15	0.1138	16.85
PROPANE	2.007	2.01804	65.69	132.57	0.090930	12	132.57	0.3175	42.09
NOR-BUTANE	1.029	1.03466	65.69	67.97	0.102911	7	67.97	0.3463	23.53
ISO-BUTANE	0.411	0.41326	65.69	27.15	0.098917	3	27.15	0.3775	10.25
ISO-PENTANE	0.34	0.34187	65.69	22.46	0.108805	2	22.46	0.4075	9.15
NOR-PENTANE	0.321	0.32277	65.69	21.20	0.110091	2	21.20	0.4075	8.64
HEXANE	0.344	0.34589	65.69	22.72	0.115021	3	22.72	0.4075	9.26
						39			119.77
Aug-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
87.59	65.01	1.17800	76.58	1.14	37.58	42.84	162.03	162.03	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	65.01	146.62	0.065869	10	146.62	0.1100	16.13
PROPANE	2.007	2.01804	65.01	131.19	0.090930	12	131.19	0.3288	43.13
NOR-BUTANE	1.029	1.03466	65.01	67.26	0.102911	7	67.26	0.3575	24.05
ISO-BUTANE	0.411	0.41326	65.01	26.87	0.098917	3	26.87	0.3913	10.51
ISO-PENTANE	0.34	0.34187	65.01	22.22	0.108805	2	22.22	0.3863	8.58
NOR-PENTANE	0.321	0.32277	65.01	20.98	0.110091	2	20.98	0.3863	8.10
HEXANE	0.344	0.34589	65.01	22.49	0.115021	3	22.49	0.3863	8.69
						39			119.19
Sep-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
79.01	58.28	1.18500	69.06	1.14	35.06	39.97	146.94	146.94	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	58.28	131.44	0.065869	9	131.44	0.1088	14.29
PROPANE	2.007	2.01804	58.28	117.61	0.090930	11	117.61	0.3250	38.22
NOR-BUTANE	1.029	1.03466	58.28	60.30	0.102911	6	60.30	0.3638	21.93
ISO-BUTANE	0.411	0.41326	58.28	24.08	0.098917	2	24.08	0.3938	9.48
ISO-PENTANE	0.34	0.34187	58.28	19.92	0.108805	2	19.92	0.3913	7.80
NOR-PENTANE	0.321	0.32277	58.28	18.81	0.110091	2	18.81	0.3913	7.36
HEXANE	0.344	0.34589	58.28	20.16	0.115021	2	20.16	0.3913	7.89
						34			106.97
1	2	3	4	5	6	7	8	9	10
Oct-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
98.40	61.20	1.18300	72.40	1.36	36.40	49.50	164.57	164.57	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE

PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	61.20	138.03	0.065869	9	138.03	0.1225	16.91
PROPANE	2.007	2.01804	61.20	123.50	0.090930	11	123.50	0.3263	40.29
NOR-BUTANE	1.029	1.03466	61.20	63.32	0.102911	7	63.32	0.3700	23.43
ISO-BUTANE	0.411	0.41326	61.20	25.29	0.098917	3	25.29	0.3925	9.93
ISO-PENTANE	0.34	0.34187	61.20	20.92	0.108805	2	20.92	0.3963	8.29
NOR-PENTANE	0.321	0.32277	61.20	19.75	0.110091	2	19.75	0.3963	7.83
HEXANE	0.344	0.34589	61.20	21.17	0.115021	2	21.17	0.3963	8.39
						36			115.07
Nov-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
98.83	57.67	1.18300	68.22	1.45	34.22	49.62	158.35	158.35	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	57.67	130.07	0.065869	9	130.07	0.1325	17.23
PROPANE	2.007	2.01804	57.67	116.38	0.090930	11	116.38	0.3275	38.11
NOR-BUTANE	1.029	1.03466	57.67	59.67	0.102911	6	59.67	0.3625	21.63
ISO-BUTANE	0.411	0.41326	57.67	23.83	0.098917	2	23.83	0.3975	9.47
ISO-PENTANE	0.34	0.34187	57.67	19.72	0.108805	2	19.72	0.3825	7.54
NOR-PENTANE	0.321	0.32277	57.67	18.61	0.110091	2	18.61	0.3825	7.12
HEXANE	0.344	0.34589	57.67	19.95	0.115021	2	19.95	0.3825	7.63
						34			108.73
Dec-95								PROCESSED	
WELLHEAD	WELLH.	WELLHEAD	WELLHEAD	MMBTU	RESIDUE	RESIDUE	PROCESSE	HIGHEST	
VALUE	MCF	BTU	MMBTU	RATE	MMBTU	VALUE	VALUE	VALUE	
112.86	57.13	1.18800	67.87	1.66	35.87	59.54	178.78	178.78	
				THEORET.		THEOR	PROCESS		
		GPM	WELLHEAD	PRODUCT	MMBTU	LIQUID	FACTOR		NGLP
	GPM	@14.73	MCF	GALLONS	PER	MMBTU	(COL 5 X	NGLP	VALUE
PRODUCT	@14.65	C2X1.0055	@14.73	(COL 3 X 4)	GALLON	COL 5X6	1)	PRICE	COL 8X9
ETHANE	2.243	2.25534	57.13	128.85	0.065869	8	128.85	0.1550	19.97
PROPANE	2.007	2.01804	57.13	115.29	0.090930	10	115.29	0.3825	44.10
NOR-BUTANE	1.029	1.03466	57.13	59.11	0.102911	6	59.11	0.3775	22.31
ISO-BUTANE	0.411	0.41326	57.13	23.61	0.098917	2	23.61	0.4200	9.92
ISO-PENTANE	0.34	0.34187	57.13	19.53	0.108805	2	19.53	0.3975	7.76
NOR-PENTANE	0.321	0.32277	57.13	18.44	0.110091	2	18.44	0.3975	7.33
HEXANE	0.344	0.34589	57.13	19.76	0.115021	2	19.76	0.3975	7.85
						32			119.24

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1	9	10
Jan-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
151.14	231.69	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.157024	26.37
PROPANE	0.363810	54.66
NOR-BUTANE	0.396310	30.53
ISO-BUTANE	0.427024	13.14
ISO-PENTANE	0.440714	11.22
NOR-PENTANE	0.440714	10.59
HEXANE	0.440714	11.35
		157.86
Feb-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
107.09	206.34	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.180875	30.37
PROPANE	0.388000	58.29
NOR-BUTANE	0.420375	32.38
ISO-BUTANE	0.501250	15.42
ISO-PENTANE	0.482625	12.28
NOR-PENTANE	0.482625	11.60
HEXANE	0.482625	12.43
		172.77
Mar-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
107.66	198.49	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.201190	33.78
PROPANE	0.360476	54.16
NOR-BUTANE	0.381786	29.41
ISO-BUTANE	0.480952	14.80
ISO-PENTANE	0.465476	11.85
NOR-PENTANE	0.465476	11.19
HEXANE	0.465476	11.99
		167.18
1	9	10
Apr-96	PROCESSED	
WELLHEAD	HIGHEST	

VALUE	VALUE	
110.41	194.05	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.225000	37.78
PROPANE	0.344048	51.69
NOR-BUTANE	0.360595	27.78
ISO-BUTANE	0.446548	13.74
ISO-PENTANE	0.488690	12.44
NOR-PENTANE	0.488690	11.74
HEXANE	0.488690	12.58
		167.75
May-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
109.79	194.52	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.198409	33.31
PROPANE	0.341986	51.38
NOR-BUTANE	0.358750	27.63
ISO-BUTANE	0.436818	13.44
ISO-PENTANE	0.490341	12.48
NOR-PENTANE	0.490341	11.78
HEXANE	0.490341	12.63
		162.65
Jun-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
104.25	185.72	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.185625	31.17
PROPANE	0.364305	54.73
NOR-BUTANE	0.367500	28.31
ISO-BUTANE	0.451750	13.90
ISO-PENTANE	0.473875	12.06
NOR-PENTANE	0.473875	11.39
HEXANE	0.473875	12.20
		163.76
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1	9	10
Jul-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
117.68	202.84	

		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.205833	34.56
PROPANE	0.376389	56.55
NOR-BUTANE	0.396528	30.54
ISO-BUTANE	0.479861	14.76
ISO-PENTANE	0.471389	12.00
NOR-PENTANE	0.471389	11.33
HEXANE	0.471389	12.14
		171.88
Aug-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
109.76	203.21	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.224205	37.65
PROPANE	0.382159	57.42
NOR-BUTANE	0.427386	32.92
ISO-BUTANE	0.473636	14.57
ISO-PENTANE	0.471818	12.01
NOR-PENTANE	0.471818	11.34
HEXANE	0.471818	12.15
		178.06
Sep-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
99.38	227.70	
		NGLP
	NGLP	VALUE
PRODUCT	PRICE	COL 8X9
ETHANE	0.258875	43.47
PROPANE	0.452125	67.93
NOR-BUTANE	0.491625	37.87
ISO-BUTANE	0.530000	16.31
ISO-PENTANE	0.492375	12.53
NOR-PENTANE	0.492375	11.83
HEXANE	0.492375	12.68
		202.62
1	9	10
Oct-96	PROCESSED	
WELLHEAD	HIGHEST	
VALUE	VALUE	
106.02	253.38	
		NGLP
	NGLP	VALUE

PRODUCT	PRICE	COL 8X9
ETHANE	0.289130	48.55
PROPANE	0.520217	78.16
NOR-BUTANE	0.522826	40.27
ISO-BUTANE	0.556630	17.13
ISO-PENTANE	0.567500	14.44
NOR-PENTANE	0.567500	13.64
HEXANE	0.567500	14.61
		226.80

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DATE	HIGHEST VALUE	PROCESSED/ UNPROCESSED	ROYALTY PAID	ADDITIONAL ROYALTY DUE
9001	275.4	PROCESSED	176.7	98.70
9002	231.84	PROCESSED	193.24	38.60
9003	160.92	PROCESSED	93.4	67.52
9004	182.38	PROCESSED	115.1	67.28
9005	162.37	PROCESSED	96.06	66.31
9006	196.37	PROCESSED	129.37	67.00
9007	181.11	PROCESSED	100.48	80.63
9008	278.48	PROCESSED	90.84	187.64
9009	278.48	PROCESSED	96.03	182.45
9010	301.14	PROCESSED	102.83	198.31
9011	255.68	PROCESSED	115.55	140.13
9012	253.55	PROCESSED	133.24	120.31
9101	182.3	PROCESSED	129.45	52.85
9102	198.36	PROCESSED	150.45	47.91
9103	176.59	PROCESSED	117.05	59.54
9104	154.7	PROCESSED	92.61	62.09
9105	162.65	PROCESSED	97.82	64.83
9106	149.24	PROCESSED	92.02	57.22
9107	140.42	PROCESSED	83.12	57.30
9108	158.01	PROCESSED	92.96	65.05
9109	158.01	PROCESSED	86.12	71.89
9110	238.43	PROCESSED	164	74.43
9111	247.35	PROCESSED	171.82	75.53
9112	259.33	PROCESSED	219.17	40.16
9201	240.71	PROCESSED	193.35	47.36
9202	193.82	PROCESSED	106.29	87.53
9203	185.61	PROCESSED	83.9	101.71
9204	191.64	PROCESSED	93.85	97.79
9205	207.93	PROCESSED	110.4	97.53
9206	216.67	PROCESSED	117.96	98.71
9207	210.23	PROCESSED	104.53	105.70
9208	238.22	PROCESSED	137.31	100.91
9209	238.22	PROCESSED	142.74	95.48
9210	261.93	PROCESSED	190.01	71.92
9211	235.72	PROCESSED	145.42	90.30
9212	224.77	PROCESSED	135.94	88.83
9301	233.09	PROCESSED	137.89	95.20
9302	199.26	PROCESSED	117.71	81.55
9303	207.66	PROCESSED	126.04	81.62
9304	213.72	PROCESSED	135.84	77.88
9305	226.96	PROCESSED	161.95	65.01
9306	193.35	PROCESSED	114.35	79.00
9307	194.17	PROCESSED	118.06	76.11
9308	188.54	PROCESSED	124.37	64.17
9309	188.54	PROCESSED	123.95	64.59
9310	172.07	PROCESSED	104.73	67.34
9311	176.91	PROCESSED	117.45	59.46
9312	161.78	PROCESSED	137.41	24.37
9401	157.41	PROCESSED	112.12	45.29
9402	169.88	PROCESSED	128.01	41.87
9403	163.71	PROCESSED	118.77	44.94
9404	148.21	PROCESSED	91.86	56.35
9405	154.75	PROCESSED	96.62	58.13

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9406	136.19	PROCESSED	73.72	62.47
9407	151.86	PROCESSED	87.79	64.07
9408	145.3	PROCESSED	83.14	62.16
9409	145.3	PROCESSED	73.04	72.26
9410	167.99	PROCESSED	97.1	70.89
9411	177.42	PROCESSED	106.9	70.52
9412	179.75	PROCESSED	112.67	67.08
9501	203.2	PROCESSED	123.58	79.62
9502	171.01	PROCESSED	93.05	77.96
9503	183.48	PROCESSED	100.74	82.74
9504	168.21	PROCESSED	94.21	74.00
9505	173	PROCESSED	98.44	74.56
9506	162.27	PROCESSED	90.94	71.33
9507	163.53	PROCESSED	88.5	75.03
9508	146.94	PROCESSED	87.59	59.35
9509	146.94	PROCESSED	18.61	128.33
9510	164.57	PROCESSED	98.4	66.17
9511	158.35	PROCESSED	98.83	59.52
9512	178.78	PROCESSED	112.86	65.92
9601	231.69	PROCESSED	151.14	80.55
9602	206.34	PROCESSED	107.09	99.25
9603	198.49	PROCESSED	107.66	90.83
9604	194.05	PROCESSED	110.41	83.64
9605	194.52	PROCESSED	109.79	84.73
9606	185.72	PROCESSED	104.25	81.47
9607	202.84	PROCESSED	117.68	85.16
9608	203.21	PROCESSED	109.76	93.45
9609	227.7	PROCESSED	99.38	128.32
9610	253.38	PROCESSED	106.02	147.36
TOTAL				6569.07