A Weekly Analysis of Energy Stocks Using the McDep Ratio June 12, 2003

High Natural Gas Price is a Good Thing

Summary and Recommendation

In an unusual appearance before a Congressional committee on an industry issue, the Chairman of the Federal Reserve, Mr. Greenspan, urged "a major expansion of LNG terminal import capacity". The widely respected financial leader portrayed access to world supplies as the antidote to "spikes in price" as we "encourage the use of environmentally desirable natural gas". Thus in his own way, the Fed Chairman gave a ringing endorsement of the value of North American natural gas. In our view, high and higher natural gas prices are going to be with us for awhile as liquefied natural gas development is sure to take a long time. And that is a good thing because there is nothing more powerful than the prospects of attractive profits to encourage business investment that produces real economic growth and, in this case, also improves the environment by displacing dirtier fuel. High natural gas price is a good thing for every buy recommended stock in the McDep Energy Portfolio. We increase our estimate of trend value for sixyear natural gas to \$7 from \$6 a Million Btu

Good Ideas Take a Long Time to Become Accepted

The eminently practical rationale in Mr. Greenspan's testimony has been an option for some four decades. We co-authored a paper published in *Pipe Line Industry* in October 1968 with the highlight "If a shortage of natural gas should develop in the United States, importation of LNG could assure distribution companies of a continuing supply". No, that date is not a misprint; it really was 35 years ago.

The shortage soon developed and the U.S. political response was to extend regulation of price to include demand restrictions. Power generation was declared to be an "inferior use" of natural gas.

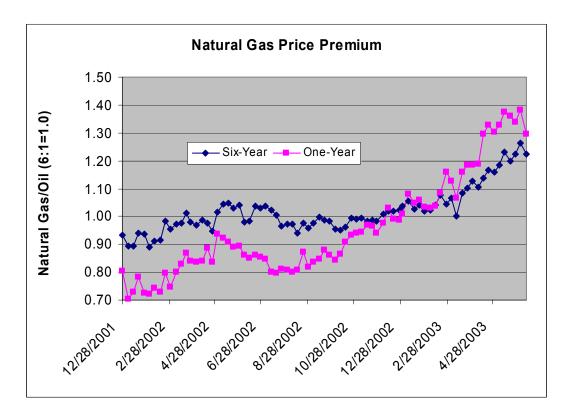
Natural Gas Price Conveys Valuable Signals

Fortunately, as evidenced by Mr. Greenspan's testimony, we have come a long way in taking a more intelligent regulatory approach. This time we hope the price of natural gas can remain largely free of regulation at the wellhead. That high price will make it easy for anyone to quantify the importance of further development of indigenous resources, as well as the value of making imports more readily available. Indirectly the price of natural gas also becomes a measure of the economic worth we are willing to place on a cleaner environment. We might be surprised at all the implications.

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Revise Trend Value for Six-Year Natural Gas to \$7 from \$6 a Million Btu

A few months ago we estimated that the trend value for the Louisiana natural gas price for the next six years was about \$6.00 (see *Meter Reader*, February 20, 2003). Last week we repeated our estimate for the trend value for Light Sweet Crude Oil for the next six years as \$33 in 2006 dollars. That implies a heating equivalent ratio of about 1.09 (6 times 6 divided by 33). Recent trends in the futures market suggest a higher ratio (see Chart). The ratios plotted are the same that we print weekly in *Natural Gas Royalty Trusts*.



Sticking to round numbers, we are inclined to place the trend value for natural gas for the next six years in 2006 dollars at \$7.00 a million Btu. That implies a heating equivalent ratio of about 1.27, which falls between the ratio implied by today's quotes for six-year and one-year futures. It is also close to the level where refined products like home heating oil and power turbine fuel are competitive in energy content though not in cleanliness.

The implication of our estimates is that current six-year futures for natural gas at slightly more than \$5 could appreciate more than a third to reach trend. Current six-year oil at less than \$25 could appreciate about a third to reach trend.

Kurt H. Wulff, CFA

A Weekly Analysis of Energy Stocks Using the McDep Ratio June 12, 2003

Table 1-1
Energy Producers
Rank by McDep Ratio: Market Cap and Debt to Present Value

			Price			Net		
			(\$/sh)		Market	Present	Debt/	
	Symbol/		11 - Jun	Shares	Cap	Value	Present	McDep
	Rat	ing	2003	(mm)	(\$mm)	(\$/sh)	Value	Ratio
Mega Cap								
Exxon Mobil Corporation	XOM		38.20	6,714	257,000	35.00	0.09	1.08
BP plc	BP		44.60	3,725	166,000	45.00	0.16	0.99
TotalFinaElf S.A.	TOT		79.80	1,317	105,100	85.00	0.16	0.95
Royal Dutch/Shell	RD	В	48.85	3,473	170,000	55.00	0.18	0.91
ChevronTexaco Corporation	CVX	В	75.61	1,064	80,400	95.00	0.20	0.84
Total or Median					779,000		0.16	0.95
Producer/Refiners - Large Cap and	Mid Cap							
Murphy Oil Corporation	MUR		53.25	93	4,930	41.00	0.24	1.23
Petro-Canada	PCZ		41.52	264	10,940	38.00	0.20	1.07
Imperial Oil Limited (30%)	IMO		34.75	113	3,940	36.00	0.12	0.97
ENI S.p.A.	E		82.05	750	61,500	90.00	0.14	0.92
Suncor Energy	SU		19.45	448	8,710	22.00	0.22	0.91
Valero Energy Corporation	VLO		38.31	114	4,370	50.00	0.50	0.88
Norsk Hydro ASA (49%)	NHY		49.69	126	6,280	60.00	0.26	0.87
ConocoPhillips	COP	В	55.29	682	37,700	70.00	0.38	0.87
PetroChina Company Ltd (10%)	PTR	В	27.11	176	4,770	33.00	0.16	0.85
OAO Lukoil	LUKOY		71.10	206	15,000	90.00	0.12	0.82
Marathon Oil Corporation	MRO	В	27.00	310	8,370	40.00	0.31	0.77
Petroleo Brasileiro S. A.	PBR	N	20.41	1,086	22,200	30.00	0.25	0.76
Total or Median					184,000		0.22	0.87
Independent Natural Gas and Oil								
Pogo Producing Company	PPP		44.95	65	2,900	38.00	0.22	1.14
Encana Corporation	ECA	В	39.26	470	18,500	40.00	0.21	0.99
Occidental Petroleum Corp.	OXY		34.17	383	13,100	35.00	0.38	0.99
Apache Corporation	APA		68.15	159	10,800	70.00	0.20	0.98
Burlington Resources	BR	В	55.50	202	11,200	60.00	0.27	0.94
XTO Energy Inc.	XTO	В	22.22	185	4,120	24.00	0.24	0.94
Devon Energy	DVN		55.95	163	9,100	65.00	0.42	0.92
Pioneer Natural Resources Company	PXD		28.14	119	3,350	35.00	0.33	0.87
Unocal Corporation	UCL		31.21	255	8,000	40.00	0.35	0.86
Anadarko Petroleum Corp.	APC	В	46.43	258	12,000	60.00	0.30	0.84
Canadian Natural Resources Limited	CNQ		42.05	139	5,850	55.00	0.29	0.83
CNOOC Limited (19%)	CEO	В	27.69	78	2,160	35.00	-	0.79
Total or Median					101,000		0.28	0.93
Service								
Baker Hughes Inc.	BHI		35.94	339	12,200	25.00	0.09	1.40
Schlumberger Ltd.	SLB		49.78	581	28,900	44.00	0.22	1.10
Halliburton Company	HAL		24.87	434	10,800	22.00	0.25	1.10

Buy/Sell rating after symbol: B - Buy, N - Neutral, S - Sell

McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses

A Weekly Analysis of Energy Stocks Using the McDep Ratio June 12, 2003

Table 1-2
Energy Producers
Rank by EV/Ebitda: Enterprise Value to Earnings Before Interest, Tax, Deprec.

			Price	Dividend or				
			(\$/sh)	EV/	EV/	Dis	tribution	PV/
	Symbol/		11 - Jun	Sales	Ebitda	P/E	NTM	Ebitda
	R	ating	2003	NTM	NTM	NTM	(%)	NTM
Mega Cap								
Exxon Mobil Corporation	XOM		38.20	1.2	10.3	22	2.6	9.5
BP plc	BP		44.60	1.0	8.1	28	3.2	8.2
TotalFinaElf S.A.	TOT		79.80	1.2	7.8	20	4.0	8.2
Royal Dutch/Shell	RD	В	48.85	1.0	7.6	17	3.8	8.3
ChevronTexaco Corporation	CVX	В	75.61	0.9	7.3	15	3.7	8.7
Median				1.0	7.8	20	3.7	8.3
Producer/Refiners - Large Cap and	Mid Cap							
ConocoPhillips	COP	В	55.29	0.6	7.5	14	2.9	8.7
Suncor Energy	SU		19.45	3.1	7.3	13	0.6	8.0
Murphy Oil Corporation	MUR		53.25	1.4	7.3	19	1.5	5.9
Imperial Oil Limited (30%)	IMO		34.75	1.1	6.7	12	1.6	6.9
Petro-Canada	PCZ		41.52	1.6	4.9	10	0.6	4.6
Valero Energy Corporation	VLO		38.31	0.3	4.9	5	1.0	5.5
Marathon Oil Corporation	MRO	В	27.00	0.4	4.7	10	3.4	6.1
ENI S.p.A.	E		82.05	1.8	4.4	10	5.2	4.8
Petroleo Brasileiro S. A.	PBR	N	20.41	1.4	4.3	8	6.6	5.7
PetroChina Company Ltd (10%)	PTR	В	27.11	1.9	3.5	7	5.4	4.1
Norsk Hydro ASA (49%)	NHY		49.69	0.8	3.3	6	2.9	3.8
OAO Lukoil	LUKOY		71.10	1.0	3.3	6	2.7	4.0
Median				1.2	4.8	10	2.8	5.6
Independent Natural Gas and Oil								
XTO Energy Inc.	XTO	В	22.22	5.3	7.6	15	0.2	8.1
Pioneer Natural Resources Company	PXD		28.14	4.9	6.8	19	-	7.9
Occidental Petroleum Corp.	OXY		34.17	2.5	6.6	11	3.0	6.7
Apache Corporation	APA		68.15	4.1	5.6	12	0.6	5.7
Pogo Producing Company	PPP		44.95	3.6	5.5	14	0.3	4.8
Anadarko Petroleum Corp.	APC	В	46.43	3.9	5.3	9	0.9	6.3
CNOOC Limited (19%)	CEO	В	27.69	3.5	5.2	13	3.8	6.6
Unocal Corporation	UCL		31.21	2.0	5.1	12	2.6	6.0
Burlington Resources	BR	В	55.50	3.6	5.0	10	1.0	5.3
Encana Corporation	ECA	В	39.26	2.0	4.2	9	0.7	4.2
Devon Energy	DVN		55.95	2.8	4.2	6	-	4.5
Canadian Natural Resources Limited	-		42.05	2.1	3.4	6	1.0	4.1
Median				3.6	5.3	11	0.8	5.9
Service				<i>-</i> -	46.			
Baker Hughes Inc.	BHI		35.94	2.5	15.1	43	1.3	10.8
Halliburton Company	HAL		24.87	1.2	9.9	22	2.0	9.0
Schlumberger Ltd.	SLB		49.78	2.6	9.8	37	1.5	8.9

EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation and amortization; NTM = Next Twelve Months Ended June 30, 2004; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses

A Weekly Analysis of Energy Stocks Using the McDep Ratio June 12, 2003

Table 2-1
Energy Pipeline and Power Companies
Rank by McDep Ratio: Market Cap and Debt to Present Value

	Symbo		Price (\$/sh) 11-Jun	Shares	Market Cap	Net Present Value	Debt/ Present	МсДер
	Rat	ing	2003	(mm)	(\$mm)	(\$/sh)	Value	Ratio
Large Cap Power								
Southern Company	SO		31.11	696	21,700	28.00	0.43	1.06
Duke Energy Corporation	DUK		19.11	832	15,900	16.00	0.69	1.06
Enel S.p.a. (32%)	EN		35.21	388	13,700	37.00	0.40	0.97
Exelon Corporation	EXC	N	58.61	325	19,000	65.00	0.51	0.95
American Electric Power Co. Inc.	AEP	N	29.96	348	10,400	35.00	0.60	0.94
Dominion Resources	D		62.92	294	18,500	76.00	0.44	0.90
Mid Cap Pipeline and Power								
Kinder Morgan Energy Partners, L.P.	KMP	S	39.45	135	5,340	14.00	0.48	1.95
Kinder Morgan Management, LLC	KMR	S	36.30	46	1,670	14.00	0.48	1.83
Kinder Morgan, Inc.	KMI	S	55.33	123	6,810	14.00	0.80	1.58
Williams Companies	WMB		8.77	518	4,540	1.00	0.97	1.24
Constellation Energy Group	CEG		33.98	164	5,570	25.00	0.61	1.14
AES Corporation	AES		7.94	558	4,430	1.00	0.98	1.13
Calpine Corporation	CPN	N	6.10	381	2,320	1.00	0.98	1.12
Dynegy Inc.	DYN		4.20	418	1,760	1.00	0.97	1.10
Mirant Corporation	MIR		2.44	402	980	1.00	0.96	1.05
CMS Energy Corporation	CMS		8.21	139	1,140	5.00	0.93	1.05
El Paso Corporation	EP	N	9.14	589	5,400	10.00	0.79	0.98
Sempra Energy	SRE		28.15	206	5,800	30.00	0.59	0.97
Small Cap Pipeline								
Enterprise Products Part (16%)	EPD		23.22	29	660	6.70	0.63	1.89
Plains All Amer. Pipeline	PAA		30.43	50	1,520	11.60	0.49	1.82
Enbridge Energy Partners, L.P.	EEP	S	47.10	35	1,650	14.90	0.64	1.79
Enbridge Energy Management, L.L.C	EEQ	S	43.41	35	1,520	14.90	0.64	1.70
Gulfterra Energy Partners	GTM	S	37.20	55	2,050	15.70	0.56	1.60
TEPPCO Partners, L.P.	TPP		35.85	50	1,790	17.70	0.56	1.45
Northern Border Partners	NBP		41.72	44	1,840	20.40	0.62	1.39
Williams Energy Partners	WEG		47.25	28	1,310	29.00	0.38	1.39
AmeriGas Partners, L.P.	APU		27.12	49	1,340	18.30	0.51	1.23
Western Gas Resources	WGR		41.65	34	1,400	37.60	0.29	1.08
Coal	D1		20.50			10.00		
Penn Virginia Res. Part, L.P.	PVR		28.60	15	440	18.00	-	1.60
Consol Energy Inc.	CNX		24.00	79 5.5	1,900	5.00	0.88	1.45
Peabody Energy	BTU		34.93	55	1,920	18.00	0.75	1.24
Alliance Res. Part, L.P.	ARLP		27.82	16	440	20.00	0.45	1.21
Arch Coal	ACI		24.30	48	1,160	18.00	0.61	1.14
Massey Energy	MEE		14.90	75	1,120	18.00	0.37	0.89
Total or Median					7,000		0.53	1.22

Buy/Sell rating after symbol: B - Buy, N - Neutral, S - Sell

McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses

A Weekly Analysis of Energy Stocks Using the McDep Ratio June 12, 2003

Table 2-2
Energy Pipeline and Power Companies
Rank by EV/Ebitda: Enterprise Value to Earnings Before Interest, Tax, Deprec.

	Price			EV/	EV/	Di	PV/	
	Symbo	1/	(\$/sh) 11-Jun	Sales	Ev/ Ebitda	P/E	stribution NTM	Ebitda
		ting	2003	NTM	NTM	NTM	(%)	NTM
	1100		2002	1,11,1	1,111	1,11,1	(19)	1,111
Large Cap Power								
Southern Company	SO		31.11	3.5	9.7	17	4.4	9.1
Duke Energy Corporation	DUK		19.11	2.4	9.6	13	5.8	9.0
Enel S.p.a. (32%)	EN		35.21	2.3	8.7	28	4.0	8.9
Exelon Corporation	EXC	N	58.61	2.6	8.6	12	3.1	9.0
Dominion Resources	D		62.92	3.5	8.1	13	4.1	9.0
American Electric Power Co. Inc.	AEP	N	29.96	0.8	8.0	11	4.7	8.5
Mid Cap Pipeline and Power								
Kinder Morgan Energy Partners, L.P.	KMP	S	39.45	2.5	17.1	20	6.5	8.8
Kinder Morgan Management, LLC	KMR	S	36.30	2.3	16.1	19	7.1	8.8
Calpine Corporation	CPN	N	6.10	2.4	13.6	7	-	12.2
Kinder Morgan, Inc.	KMI	S	55.33	2.6	12.5	17	1.1	7.9
Dynegy Inc.	DYN		4.20	3.0	12.4	34	-	11.3
AES Corporation	AES		7.94	3.8	11.5	23	-	10.1
Williams Companies	WMB		8.77	3.7	10.3		0.5	8.3
Mirant Corporation	MIR		2.44	1.2	9.4	4	-	8.9
Constellation Energy Group	CEG		33.98	2.6	9.2	16	3.1	8.1
CMS Energy Corporation	CMS		8.21	1.1	9.1	10	-	8.7
Sempra Energy	SRE	3.7	28.15	2.2	8.5	11	3.6	8.7
El Paso Corporation	EP	N	9.14	2.5	6.8	6	1.8	6.9
Median Small Cap Pipeline				2.5	10.3	13	0.5	8.7
Enterprise Products Part (16%)	EPD		23.22	1.9	17.1		0.9	9.0
Plains All Amer. Pipeline	PAA		30.43	0.2	16.4	25	7.1	9.0
Enbridge Energy Partners, L.P.	EEP	S	47.10	2.1	16.1	35	7.6	9.0
Enbridge Energy Management, L.L.C	EEQ	S	43.41	2.0	15.3	32	8.3	9.0
Gulfterra Energy Partners	GTM	S	37.20	5.3	14.4	23	7.3	9.0
TEPPCO Partners, L.P.	TPP		35.85	1.1	13.0	19	6.7	9.0
Northern Border Partners	NBP		41.72	7.2	12.5	16	7.7	9.0
Williams Energy Partners	WEG		47.25	4.3	11.8	14	6.3	8.5
AmeriGas Partners, L.P.	APU		27.12	1.8	11.1	26	8.1	9.0
Western Gas Resources	WGR		41.65	0.7	7.9	18	-	7.4
Median				1.9	13.7	23	7.2	9.0
Coal								
Consol Energy Inc.	CNX		24.00	2.3	14.1	55	2.3	9.7
Penn Virginia Res. Part, L.P.	PVR		28.60	10.6	13.7	16	7.0	8.6
Peabody Energy	BTU		34.93	1.7	11.1	29	1.1	9.0
Arch Coal	ACI		24.30	1.7	10.3	22	0.9	9.0
Alliance Res. Part, L.P.	ARLP		27.82	1.3	8.5	23	7.2	7.0
Massey Energy Median	MEE		14.90	1.4	8.0	26	1.1	8.9 8.9
Median				1.7	10.7	26	1.7	8.9

EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation and amortization; NTM = Next Twelve Months Ended June 30, 2004; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses

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Table 3-1
Independent Natural Gas and Oil Producers - Small Cap
Rank by McDep Ratio: Market Cap and Debt to Present Value

	Symbol/ Ra	ıting	Price (\$/sh) 11-Jun 2003	Shares (mm)	Market Cap (\$mm)	Net Present Value (\$/sh)	Debt/ Present Value	McDep Ratio
Short Life								
Dorchester Minerals, L.P.	DMLP		18.10	27.0	490	13.00	-	1.39
Spinnaker Exploration Company	SKE		26.80	33.8	910	25.00	-	1.07
Energy Partners Ltd.	EPL	В	12.00	36.7	441	12.00	0.22	1.00
Cimarex Energy Company	XEC		23.80	41.0	980	24.00	0.03	0.99
Newfield Exploration Company	NFX		38.92	51.7	2,010	40.00	0.31	0.98
Stone Energy Company	SGY		43.86	26.5	1,160	46.00	0.27	0.97
Southwestern Energy Company	SWN		16.13	36.0	580	17.00	0.30	0.96
Denbury Resources Inc.	DNR		13.12	55.0	720	15.00	0.29	0.91
Chesapeake Energy Corporation	CHK		11.20	220	2,460	14.00	0.38	0.88
St. Mary Land and Exploration Compar	ySM		29.69	29.0	860	35.00	0.11	0.86
Wesport Resources Corporation	WRC		23.97	68.0	1,630	30.00	0.29	0.86
Forest Oil Corporation	FST	N	26.90	48.2	1,300	35.00	0.33	0.84
The Houston Exploraton Company	THX		35.10	31.0	1,090	45.00	0.16	0.82
Total or Median					14,600		0.27	0.96
Long Life								
Ultra Petroleum Corp.	UPL		12.74	78.0	990	7.00	0.15	1.70
Unit Corporation	UNT		22.75	43.6	990	18.00	0.04	1.25
Quicksilver Resources Inc.	KWK		25.76	20.4	530	25.00	0.35	1.02
Penn Virginia Corporation	PVA		44.71	9.0	400	45.00	0.06	0.99
Evergreen Resources, Inc.	EVG		56.89	22.0	1,250	60.00	0.10	0.95
Swift Energy Company	SFY		12.01	27.2	330	16.00	0.43	0.86
Encore Acquisition Corp. (25%)	EAC		19.72	7.0	138	24.00	0.19	0.86
Magnum Hunter Resources, Inc.	MHR		8.00	69.0	550	11.00	0.45	0.85
Vintage Petroleum, Inc.	VPI		12.09	63.0	760	20.00	0.40	0.76
Total or Median					5,900		0.19	0.95
Canadian Royalty Trusts								
Provident Energy Trust	PVX		9.31	63.5	590	6.00	0.23	1.43
Enerplus Resources Fund	ERF		24.04	75.0	1,800	20.00	0.16	1.17
Pengrowth Energy Trust	PGH		13.23	110.0	1,460	11.00	0.16	1.17
Canadian Oil Sands Trust (US\$)	COS_u.TO	В	26.07	79.5	2,070	45.00	0.17	0.65
Total or Median					5,900		0.17	1.17
Natural Gas Royalty Trusts								
Hugoton RoyaltyTrust (46%)	HGT		20.68	18.4	380	17.30	-	1.20
Cross Timbers Royalty Trust	CRT		24.35	6.0	146	23.20	-	1.05
San Juan Basin Royalty Trust	SJT	В	19.76	46.6	920	20.20	-	0.98
Micro Cap								
Abraxas Petroleum Corporation	ABP		1.25	30.0	38	1.00	0.85	1.04
Purcell Energy, Ltd. (US\$)	PEL.TO	N	1.82	28.2	51	2.80	0.31	0.76

Buy/Sell rating after symbol: B - Buy, N - Neutral, S - Sell

McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses

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Table 3-2
Independent Natural Gas and Oil Producers - Small Cap
Rank by EV/Ebitda: Enterprise Value to Earnings Before Interest, Tax, Deprec.

			Price Dividend o				vidend or	•		
			(\$/sh)	EV/	EV/		tribution	PV/		
	Symbol/		11-Jun	Sales	Ebitda	P/E	NTM	Ebitda		
	•	ating	2003	NTM	NTM	NTM	(%)	NTM		
							(.)			
Short Life										
Dorchester Minerals, L.P.	DMLP		18.10	8.3	10.2	13	8.8	7.3		
Forest Oil Corporation	FST		26.90	3.7	6.1	21	-	7.2		
Chesapeake Energy Corporation	CHK		11.20	3.8	5.6	12	1.1	6.4		
Southwestern Energy Company	SWN		16.13	2.8	5.6	11	-	5.8		
Cimarex Energy Company	XEC		23.80	3.6	5.3	14	-	5.3		
Wesport Resources Corporation	WRC		23.97	3.6	5.1	15	-	5.9		
St. Mary Land and Exploration Company	y SM		29.69	3.2	4.9	14	0.3	5.7		
Denbury Resources Inc.	DNR		13.12	3.1	4.3	9	-	4.8		
Energy Partners Ltd.	EPL	В	12.00	2.7	4.3		-	4.3		
Stone Energy Company	SGY		43.86	3.2	4.2	9	-	4.4		
Spinnaker Exploration Company	SKE		26.80	3.4	3.9	14	-	3.6		
Newfield Exploration Company	NFX		38.92	2.8	3.6	7	-	3.6		
The Houston Exploraton Company	THX		35.10	2.8	3.4	8	-	4.1		
Median				3.2	4.9	13	-	5.3		
Long Life										
Ultra Petroleum Corp.	UPL		12.74	11.8	19.4	38	-	11.4		
Evergreen Resources, Inc.	EVG		56.89	7.1	10.2	18	-	10.7		
Unit Corporation	UNT		22.75	4.1	9.5	24	-	7.6		
Quicksilver Resources Inc.	KWK		25.76	4.7	6.9	13	-	6.8		
Swift Energy Company	SFY		12.01	4.0	6.0	20	-	7.0		
Encore Acquisition Corp. (25%)	EAC		19.72	3.8	5.8	14	-	6.8		
Penn Virginia Corporation	PVA		44.71	2.9	5.6	15	2.0	5.7		
Magnum Hunter Resources, Inc.	MHR		8.00	3.2	5.6	14	-	6.5		
Vintage Petroleum, Inc.	VPI		12.09	2.5	4.7	50	1.3	6.2		
Canadian Royalty Trusts										
Enerplus Resources Fund	ERF		24.04	5.7	7.6	13	11.9	6.5		
Pengrowth Energy Trust	PGH		13.23	4.7	7.0	16	14.3	6.0		
Provident Energy Trust	PVX		9.31	4.3	6.2	14	16.7	4.3		
Canadian Oil Sands Trust (US\$)	COS u.TO	В	26.07	3.2	5.6	5	5.5	8.7		
Canadian On Bands Trust (OS\$)	CO5_u.10	ь	20.07	3.2	5.0	3	5.5	0.7		
Natural Gas Royalty Trusts										
Cross Timbers Royalty Trust	CRT		24.35	6.8	9.3	10	10.2	8.9		
Hugoton RoyaltyTrust (46%)	HGT		20.68	6.1	7.9	9	11.3	6.6		
San Juan Basin Royalty Trust	SJT	В	19.76	6.0	7.3	8	12.1	7.5		
Micro Cap										
Abraxas Petroleum Corporation	ABP		1.25	6.8	12.5		_	12.0		
Purcell Energy, Ltd. (US\$)	PEL.TO	N	1.82	3.2	4.4	9	_	5.9		
i dicen Ellergy, Etd. (Obb)	1 22.10	14	1.02	3.2	7.7	,	_	5.)		

EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation and amortization; NTM = Next Twelve Months Ended June 30, 2004; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses