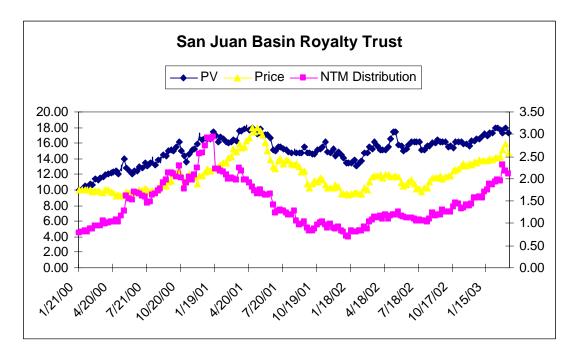
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# **Trend Holds**

## **Summary and Recommendation**

A decline in McDep Ratio implies improving attractiveness for recommended **San Juan Basin Royalty Trust (SJT)** and the two similar trusts in our coverage despite a median 3% decline in estimated Present Value and Next Twelve Months Distributions. The melting of short-term natural gas price from temporarily high levels had to be expected. Yet the trend in one-year futures and six-year futures remains positive. We see six-year natural gas currently at \$4.35 moving to \$6 in the next few years. Six-year futures for oil, the alternative fuel, moved up almost 3% in the past week to break the \$26 barrier. We see that number reaching a more than three-decade trend value of \$33 in the next few years. Finally, we believe that natural gas royalty trusts are among the stronger long-term investments publicly available. Valuation is reasonable. The trusts are debt-free. Fees are low. The trusts offer inflation protection, deflation resistance and an attractive real rate of return. For SJT the unlevered rate of return that would make present value equal to current stock price is 8% per year, implying a real rate of 6% after inflation of 2% (see Table SJT-1).

Kurt H. Wulff, CFA



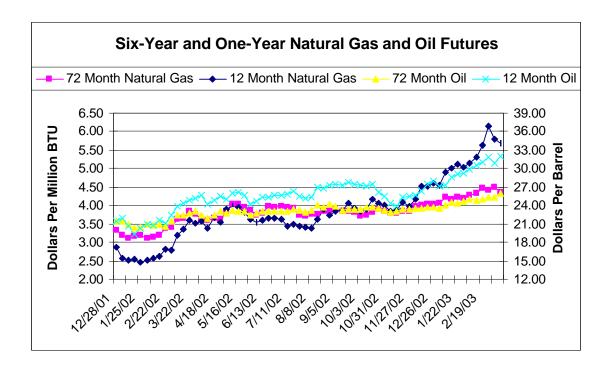
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#### **Natural Gas and Oil Futures**

March 12, 2003

	2004	2005	2006	2007	2008	2009	Six Year
Natural Gas (\$/mmbtu)							
Year ending March	5.68	4.70	4.11	3.83	3.87	3.90	4.35
Light Sweet Crude Oil (\$/bbl)	)						
Year ending March	32.02	25.98	24.67	24.57	24.52	24.47	26.04
Natural Gas/Oil $(6:1 = 1.0)$							
Year ending March	1.06	1.08	1.00	0.93	0.95	0.96	1.00

Source: Nymex, FutureSource, wsj.com, McDep Associates



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# Table MEII-1McDep Energy Income IdeasDividends, Debt and McDep Ratio

	Symbol/ Ra	ting	Price (\$/sh) 12-Mar 2003	Shares (mm)	Market Cap (\$mm)	Div or Distrib. NTM (%)	Debt/ Present Value	McDep Ratio
High Greed Partnerships								
El Paso Energy Partners	EPN	S	30.34	57.0	1,730	8.9	0.64	2.58
Kinder Morgan Energy Partners, L.P.	KMP	S	36.18	141	5,110	6.9	0.47	1.83
Enbridge Energy Partners, L.P.	EEP	S	44.51	35.0	1,560	8.1	0.64	1.72
Kinder Morgan Management, LLC	KMR	S	32.00	39.5	1,260	7.8	0.47	1.68
Enbridge Energy Management, L.L.C	EEO	S	39.20	9.0	350	9.2	0.64	1.59
Plains All Amer. Pipeline	$PA\widetilde{A}$		24.24	50.0	1,210	8.9	0.49	1.55
TEPPCO Partners, L.P.	TPP		29.88	50.0	1,490	8.0	0.56	1.30
Northern Border Partners	NBP		36.70	44.0	1,610	8.7	0.62	1.30
Penn Virginia Res. Part, L.P.	PVR		23.35	15.3	360	8.6	-	1.30
AmeriGas Partners, L.P.	APU		24.00	49.4	1,190	9.2	0.51	1.15
Alliance Res. Part, L.P.	ARLP		22.48	15.9	360	8.9	0.45	1.07
Total or Median	ı				16,200	8.7	0.51	1.55
U.S. Master Limiter Partnerships								
Enterprise Products Part (16%)	EPD		20.06	29	570	6.9	0.63	1.72
Dorchester Minerals, L.P.	DMLP		14.65	27.0	396	12.3	-	1.13
Canadian Royalty Trusts								
Provident Energy Trust	PVX		7.98	63.5	510	18.0	0.22	1.26
Enerplus Resources Fund	ERF		18.83	75.0	1,410	14.5	0.15	0.95
Pengrowth Energy Trust	PGH		9.99	110.0	1,100	18.9	0.16	0.92
Canadian Oil Sands Trust (US\$)	COS_u.TO	В	23.77	76.8	1,830	5.6	0.15	0.60
Total or Median	ı				4,900	16.2	0.16	0.94
U.S. Natural Gas Royalty Trusts								
Cross Timbers Royalty Trust	CRT		19.35	6.0	116	13.2	-	0.95
San Juan Basin Royalty Trust	SJT	В	14.72	46.6	690	14.4	-	0.85
Hugoton RoyaltyTrust (46%)	HGT		13.97	18.4	260	14.6	-	0.83
Total or Median	ı				1,070	14.4	-	0.85
Additional McDep Recommendation	s							
Marathon Oil Corporation	MRO	В	22.48	310	7,000	4.1	0.37	0.72
Royal Dutch/Shell	RD	В	37.50	3,473	130,200	5.0	0.18	0.69
ChevronTexaco Corporation	CVX	В	63.00	1,062	66,900	4.4	0.17	0.69
PetroChina Company Ltd (10%)	PTR	В	20.69	176	3,600	11.2	0.15	0.68
Total or Median	ı				208,000	4.7	0.18	0.69

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

NTM = Next Twelve Months Ended March 31, 2004

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

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## Table MEII-2

## McDep Energy Income Ideas

### Distribution Validity, Fees and Cash flow Multiples

			Price					
			(\$/sh)	Dist/	Mgt	Fin	EV/	PV/
	Symbol/		12-Mar	Equity	Fee	Fee	Ebitda	Ebitda
	-	ting	2003	Ebitda	(%)	(%)	NTM	NTM
High Greed Partnerships								
El Paso Energy Partners	EPN	S	30.34	4.3	71	6	23.2	9.0
Kinder Morgan Energy Partners, L.P.	KMP	S	36.18	1.5	46	6	15.9	8.7
Enbridge Energy Partners, L.P.	EEP	S	44.51	2.2	21	6	15.5	9.0
Kinder Morgan Management, LLC	KMR	S	32.00	1.5	46	6	14.5	8.7
Enbridge Energy Management, L.L.C	EEQ	S	39.20	2.2	21	6	14.3	9.0
Plains All Amer. Pipeline	PAA		24.24	1.7	9	6	14.0	9.0
TEPPCO Partners, L.P.	TPP		29.88	1.2	25	6	11.7	9.0
Northern Border Partners	NBP		36.70	1.4	8	6	11.7	9.0
Penn Virginia Res. Part, L.P.	PVR		23.35	1.0	2	8	11.1	8.6
AmeriGas Partners, L.P.	APU		24.00	1.1	1	6	10.4	9.0
Alliance Res. Part, L.P.	ARLP		22.48	0.7	2	8	7.5	7.0
Mediar						14.0	9.0	
U.S. Master Limiter Partnerships								
Enterprise Products Part (16%)	EPD		20.06	1.8	10	6	15.5	9.0
Dorchester Minerals, L.P.	DMLP		14.65	0.9	3		7.3	6.5
Canadian Royalty Trusts								
Enerplus Resources Fund	ERF		18.83	0.8	8	6	5.4	5.7
Pengrowth Energy Trust	PGH		9.99	0.9	9	6	5.0	5.4
Provident Energy Trust	PVX		7.98	0.9	11	8	4.7	3.7
Canadian Oil Sands Trust (US\$)	COS_u.TO	В	23.77	0.2			4.4	7.4
Median	ı						4.8	5.5
U.S. Natural Gas Royalty Trusts								
Cross Timbers Royalty Trust	CRT		19.35	0.9			7.2	7.5
San Juan Basin Royalty Trust	SJT	В	14.72	0.8			5.8	6.8
Hugoton RoyaltyTrust (46%)	HGT		13.97	0.7			5.1	6.2
Additional McDep Recommendations	5							
ChevronTexaco Corporation	CVX	В	63.00	0.2			5.7	8.2
Royal Dutch/Shell	RD	В	37.50	0.2			5.4	7.8
Marathon Oil Corporation	MRO	В	22.48	0.1			4.3	6.0
PetroChina Company Ltd (10%)	PTR	В	20.69	0.2			2.4	3.5
Mediar	ı						4.9	6.9

Italicized issues are subject to, or sponsor, deceptive compensation arrangements that threaten value and financial viability, in our opinion.

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#### Table SJT-1 San Juan Basin Royalty Trust Present Value

Volume Capex/C Variable	e Decline e Enhance Cash Flov e Cost (% ume (\$/m	ement (%/yr): w (%): b):		11 10 25 12 1.55		Price Escalation Post 2008 (%/yr): Discount rate (%/yr): U.S. TIPS Inflation (%/yr): U.S. 10 Year Yield (%/yr): PV/EBITDA 2004:						2.8 5.6 2.0 3.6 6.9		
		Volume			-	Fixed	Var	Cap	~			Present		
**		Enhanced	Total		Revenue	Cost	Cost	Ex	Distrit		Disc	Value		
Year	(bcf)	(bcf)	(bcf)	(\$/mcf)	(\$mm)	(\$mm)	(\$mm)	(\$mm)	(\$mm)	(\$/unit)	Factor	(\$/unit)		
Total 20	004 throu	gh 2030; year	s ending	ng on 3/31										
	313	208	521	3.91	2036	350	244	178	1264	27.12	0.64	17.30		
											L			
2004	34.9	0.0	34.9	4.18	145.7	11.6	17.5	18.0	98.7	2.12	0.97	2.06		
2005	31.2	3.5	34.6	4.11	142.5	13.0	17.1	28.1	84.3	1.81	0.92	1.67		
2006	27.9	6.6	34.4	3.56	122.5	13.0	14.7	23.7	71.1	1.53	0.87	1.33		
2007	24.9	9.3	34.2	3.30	113.1	13.0	13.6	21.6	64.9	1.39	0.83	1.15		
2008	22.3	11.8	34.0	3.28	111.7	13.0	13.4	21.3	63.9	1.37	0.78	1.07		
2009	19.9	13.9	33.8	3.31	111.9	13.0	13.4	21.4	64.1	1.38	0.74	1.02		
2010	17.8	15.8	33.6	3.40	114.3	13.0	13.7	21.9	65.7	1.41	0.70	0.99		
2011	15.9	17.5	33.4	3.50	116.8	13.0	14.0	22.4	67.3	1.44	0.67	0.96		
2012	14.2	15.7	29.9	3.59	107.3	13.0	12.9		81.4	1.75	0.63	1.10		
2013	12.7	14.0	26.7	3.69	98.6	13.0	11.8		73.8	1.58	0.60	0.94		
2014	11.4	12.5	23.9	3.79	90.6	13.0	10.9		66.7	1.43	0.56	0.81		
2015	10.2	11.2	21.3	3.90	83.3	13.0	10.0		60.3	1.29	0.53	0.69		
2016	9.1	10.0	19.1	4.01	76.5	13.0	9.2		54.3	1.17	0.51	0.59		
2017	8.1	8.9	17.1	4.12	70.3	13.0	8.4		48.9	1.05	0.48	0.50		
2018	7.3	8.0	15.3	4.23	64.6	13.0	7.8		43.8	0.94	0.45	0.43		
2019	6.5	7.1	13.6	4.35	59.3	13.0	7.1		39.2	0.84	0.43	0.36		
2020	5.8	6.4	12.2	4.47	54.5	13.0	6.5		35.0	0.75	0.41	0.31		
2021	5.2	5.7	10.9	4.60	50.1	13.0	6.0		31.1	0.67	0.39	0.26		
2022	4.6	5.1	9.7	4.73	46.0	13.0	5.5		27.5	0.59	0.37	0.22		
2023	4.1	4.6	8.7	4.86	42.3	13.0	5.1		24.2	0.52	0.35	0.18		
2024	3.7	4.1	7.8	4.99	38.9	13.0	4.7		21.2	0.46	0.33	0.15		
2025	3.3	3.6	7.0	5.13	35.7	13.0	4.3		18.4	0.40	0.31	0.12		
2026	3.0	3.3	6.2	5.27	32.8	13.0	3.9		15.9	0.34	0.29	0.10		
2027	2.6	2.9	5.6	5.42	30.2	13.0	3.6		13.5	0.29	0.28	0.08		
2028	2.4	2.6	5.0	5.57	27.7	13.0	3.3		11.4	0.24	0.26	0.06		
2029	2.1	2.3	4.4	5.73	25.5	13.0	3.1		9.4	0.20	0.25	0.05		
2030	1.9	2.1	4.0	5.89	23.4	13.0	2.8		7.6	0.16	0.24	0.04		

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#### Table SJT-2 San Juan Basin Royalty Trust Distributable Income

Distributable Income											
											Next
			,								Twelve
	Q2	Q3	Q4E	Year	QIE	Q2E	Q3E	Q4E	Year	QlE	Months
	6/30/02	9/30/02	12/31/02	2002E	3/31/03	6/30/03	9/30/03	12/31/03	2003E	3/31/04	3/31/04
Highlights											
Revenue (\$mm) (75%)	18.6	20.7	20.4	78.9	29.9	40.5	35.4	34.3	140.1	35.6	145.7
Cash flow (\$mm) (75%)	14.1	16.0	15.5	59.7	23.9	33.6	28.8	27.8	114.1	29.0	119.2
Per unit	0.30	0.34	0.33	1.28	0.51	0.72	0.62	0.60	2.45	0.62	2.56
Tax credit (\$mm)	1.4	1.9	1.9	5.6					-		
Per unit	0.03	0.04	0.04	0.12					-		
Distributable Income (\$mm)	9.0	12.2	11.6	36.3	18.0	28.5	23.7	22.7	92.9	23.8	98.7
Per unit	0.19	0.26	0.25	0.78	0.39	0.61	0.51	0.49	1.99	0.51	2.12
Units (millions)	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
Volume											
Natural gas (mmbtu)	12.0	11.6	12.4	48.5	12.1	11.8	12.2	12.2	48.2	12.2	48.2
Heat Content(btu/cf)	1,077	970	1,064	1,050	1,079	1,050	1,050	1,050	1,057	1,050	1,050
Natural gas (bcf)	11.1	12.0	11.6	46.2	11.2	11.2	11.6	11.6	45.6	11.6	45.9
Natural Gas (mmcfd)	125.1	130.4	126.2	126.6	122.3	125.9	125.9	125.9	124.9	125.9	125.9
Days	89	92	92	365	92	89	92	92	365	92	365
Oil (mb)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Oil (mbd)	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.0	0.2	0.2	0.2
Total gas & oil (bcf)	11.3	12.1	11.7	46.8	11.4	11.3	11.7	11.7	46.1	11.7	46.5
Price	11.5	12.1	11.7	40.0	11.4	11.5	11.7	11.7	40.1	11.7	40.5
Natural gas (\$/mmbtu) (Heni	a Uub logo	rad two my	onthe)								
	2.92	3.23	3.59	3.02	4.73	6.76	5.72	5.55	5.69	5.76	5.95
Henry Hub (\$/mmbtu)	2.92	5.23 28	5.39 40	3.02 30	4.75	33	3.72	3.33	3.09	3.70	3.93
Differential (%)	2.02	2.33			3.24	4.53	3.83		3.83		
Total			2.16	2.13				3.72		3.86	3.98
Natural gas (\$/mcf)	2.18	2.26	2.30	2.24	3.50	4.76	4.02	3.90	4.04	4.05	4.18
Oil (\$/bbl) (WTI Cushing lag			20.00	24.70	20.55	26.70	2476	21.64	22.10	20.00	22.20
WTI Cushing	23.80	26.49	28.96	24.70	29.55	36.79	34.76	31.64	33.18	29.98	33.29
SJT	19.14	21.95	24.00	20.10	24.48	30.49	28.80	26.21	27.47	24.84	27.56
Total gas & oil (\$/mcf)	2.19	2.28	2.32	2.25	3.51	4.76	4.03	3.91	4.05	4.05	4.18
Revenue (\$mm)											
Natural Gas	24.2	27.1	26.7	103.3	39.4	53.3	46.6	45.2	184.4	46.9	191.9
Oil	0.5	0.5	0.5	1.9	0.5	0.7	0.6	0.6	2.4	0.6	2.4
Total	24.8	27.6	27.2	105.2	39.9	54.0	47.2	45.8	186.8	47.4	194.3
Cost (\$mm)											
Severance tax	2.4	2.3	3.1	10.5	4.0	5.4	4.7	4.6	18.7	4.7	19.4
Operating	3.7	4.0	3.4	15.2	4.0	3.8	4.1	4.1	15.9	4.1	15.9
Total	6.0	6.3	6.5	25.6	8.1	9.1	8.8	8.6	34.6	8.8	35.3
Cash flow (\$mm)	18.8	21.3	20.7	79.6	31.8	44.8	38.4	37.1	152.2	38.6	159.0
Development	3.4	2.1	4.7	21.5	7.1	6.0	6.0	6.0	25.1	6.0	24.0
Net proceeds (\$mm)	15.4	19.2	16.1	58.2	24.7	38.8	32.4	31.1	127.0	32.6	135.0
Royalty income (\$mm)	11.5	14.4	12.1	43.6	18.5	29.1	24.3	23.3	95.3	24.5	101.2
Royalty/Net proceeds	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Administration	0.5	0.6	0.5	2.0	0.5	0.6	0.6	0.6	2.4	0.6	2.6
One-time	2.0	1.6		5.3					-		-
Distributable income (\$mm)	9.0	12.2	11.6	36.3	18.0	28.5	23.7	22.7	92.9	23.8	98.7
Modeling ratios											
Severance tax/revenue	9.5%	8.5%	11.5%	9.9%	10.1%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
Operating cost (\$/mcf)	0.32	0.33	0.29	0.32	0.36	0.33	0.35	0.35	0.34	0.35	0.34
Development/Cash flow	18%	10%	22%	27%	22%	13%	16%	16%	17%	16%	15%
20. cropinent cush now	10/0	10/0	2270	2770	2270	1570	10/0	10/0	1770	10/0	1570

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### Table SJT-3 San Juan Basin Royalty Trust Monthly Declarations

	Dec-02	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03
<b>Distribution</b> (\$/unit)							
Declared	0.09	0.10	0.12				
Projected				0.17	0.17	0.26	0.18
Volume							
Natural gas (mmbtu)	4.08	4.07	3.97	4.09	3.70	4.09	3.96
Heat Content(btu/cf)	1,043	1,092	1,097	1,050	1,050	1,050	1,050
Natural gas (bcf)	3.91	3.73	3.62	3.90	3.52	3.90	3.78
Natural Gas (mmcfd)	126	124	117	126	126	126	126
Days	31	30	31	31	28	31	30
Price							
Natural gas industry quotes la	gged two n	nonths (\$/i	mmbtu)				
Henry Hub Daily/Futures	4.12	4.03	4.76	5.41	7.77	6.65	5.87
San Juan Monthly Index	2.52	3.25	3.45	4.14	4.58	5.91	
SJT/Henry Hub	0.54	0.71	0.66	0.69	0.53	0.80	0.70
SJT/San Juan Index	0.89	0.88	0.91	0.90	0.90	0.90	
SJT (\$/mmbtu)	2.24	2.85	3.14	3.73	4.12	5.32	4.11
SJT (\$/mcf)	2.33	3.12	3.45	3.91	4.33	5.58	4.31
Revenue (\$mm)							
Natural Gas	9.1	11.6	12.5	15.3	15.2	21.8	16.3
Other	0.0	0.1	(0.1)	(0.1)	(0.1)	(0.1)	(0.1)
Cost (\$mm)							
Severance tax	1.5	1.2	1.3	1.5	1.5	2.2	1.6
Operating	0.5	1.5	1.3	1.3	1.3	1.3	1.3
Total	2.0	2.7	2.6	2.8	2.8	3.5	2.9
Cash flow (\$mm)	7.1	9.0	9.8	12.4	12.4	18.3	13.3
Development	1.6	2.7	2.4	2.0	2.0	2.0	2.0
Net proceeds (\$mm)	5.5	6.3	7.4	10.4	10.4	16.3	11.3
Royalty income (\$mm)	4.2	4.7	5.5	7.8	7.8	12.2	8.5
Royalty/Net proceeds	75%	75%	75%	75%	75%	75%	75%
One time							
Distributable income (\$mm)	4.2	4.7	5.5	7.8	7.8	12.2	8.5
Units (millions)	46.6	46.6	46.6	46.6	46.6	46.6	46.6
<b>Distribution</b> (\$/unit)	0.09	0.10	0.12	0.17	0.17	0.26	0.18
Latest Twelve Month Average							
Heat Content(btu/cf)	1,050	1,050	1,050				
Natural Gas (mmcfd)	127	127	126				
SJT/Henry Hub	0.72	0.70	0.70				
SJT/San Juan Index	0.88	0.89	0.90				
Other revenue	(0.2)	(0.1)	(0.1)				
Operating	1.3	1.3	1.3				
Development	1.8	1.7	1.5				
Severance tax/revenue	10.1%	10.1%	10.1%				