

Natural Gas Royalty Trusts

A Weekly Analysis

December 16, 2002

More Than Small Cap

Summary and Recommendation

On an 8% gain in one-year natural gas futures our estimate of Next Twelve Months Distribution gains a median 9%. Positive as that may be, there is little change in six-year natural gas futures and our estimate of Present Value. We wonder if one-year strength will soon show up in six-year change. Though our calculations are made for three small cap stocks, there are implications for the North American natural gas business for all parties. Nor should the three royalty trusts be perceived as uninteresting income producers. In reality their long-term record of total return is better than that for most actively managed producers. Others might deride the stocks as mere commodity plays. To us that is part of their strength. In an uncertain economic outlook when we don't know if we are going to have inflation, deflation or growth, commodity diversification makes sense. Finally after a nice run in natural gas price, we feel good about the possibility of further gains. A shot at the highs of a few years ago seems not out of the question. At the same time we have no delusions about risk. Even our favorite stocks can be disappointing temporarily.

Kurt H. Wulff, CFA

Rank by McDep Ratio: Market Cap and Debt to Present Value

	<i>Symbol/</i>		<i>Price</i>		<i>Market</i>	<i>Net</i>	<i>Debt/</i>	
	<i>Rating</i>		<i>12-Dec</i>	<i>Shares</i>	<i>Cap</i>	<i>Present</i>	<i>Present</i>	<i>McDep</i>
			<i>2002</i>	<i>(mm)</i>	<i>(\$mm)</i>	<i>Value</i>	<i>Value</i>	<i>Ratio</i>
						<i>(\$/sh)</i>		
Cross Timbers Royalty Trust	CRT		19.80	6.0	119	19.90	-	1.00
San Juan Basin Royalty Trust	SJT	B	13.53	46.6	630	16.30	-	0.83
Hugoton RoyaltyTrust (46%)	HGT		12.86	18.4	240	16.10	-	0.80

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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Rank by EV/Ebitda: Enterprise Value to Earnings Before Interest, Tax, Deprec.

	<i>Symbol/</i>		<i>Price</i>	<i>EV/</i>	<i>EV/</i>	<i>Dividend or</i>	<i>PV/</i>
	<i>Rating</i>	<i>12-Dec</i>	<i>(\$/sh)</i>	<i>Sales</i>	<i>Ebitda</i>	<i>Distribution</i>	<i>Ebitda</i>
		<i>2002</i>		<i>NTM</i>	<i>NTM</i>	<i>NTM</i>	<i>NTM</i>
						<i>(%)</i>	
Cross Timbers Royalty Trust	CRT		19.80	6.6	9.3	10	9.3
San Juan Basin Royalty Trust	SJT	B	13.53	5.2	6.5	9	7.8
Hugoton RoyaltyTrust (46%)	HGT		12.86	4.7	6.4	9	8.0

EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation and amortization; NTM = Next Twelve Months Ended December 31, 2003; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses

Natural Gas and Oil Futures

December 12, 2002

	<i>2003</i>	<i>2004</i>	<i>2005</i>	<i>2006</i>	<i>2007</i>	<i>2008</i>	<i>Six</i>
							<i>Year</i>
Natural Gas (\$/mmbtu)							
Year ending December	4.51	4.09	3.87	3.85	3.86	3.89	4.01
Light Sweet Crude Oil (\$/bbl)							
Year ending December	26.24	23.73	23.16	22.96	22.84	22.75	23.61
Natural Gas/Oil (6:1 = 1.0)							
Year ending December	1.03	1.03	1.00	1.01	1.01	1.02	1.02

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

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Table CRT-1
Cross Timbers Royalty Trust
Present Value

Volume Decline (%/yr):	10	Price Escalation post 2008 (%/yr):	2.4
Volume Enhancement (%/yr):	10	Discount Rate (%/yr):	5.4
		U.S. TIPS Inflation (%/yr):	1.6
		U.S. 10 Year Yield (%/yr):	4.0

PV/Volume (\$/mcf):	2.61	PV/EBITDA 2003:	9.5
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Year	Natural Gas Volume			Price (\$/mcf)	Revenue (\$mm)	Oil Net (\$mm)	Distribution (\$mm)	Tax Credit (\$/unit)	Disc Factor	Present Value (\$/unit)	
	Basic (bcf)	Enhanced (bcf)	Total (bcf)								
Total 2003 through 2032; years ending on 12/31											
	26	20	46	4.27	196	1	197	32.76	0.00	0.61	19.90
2003	2.7	0.0	2.7	4.29	11.5	0.4	12.0	2.00	0.00	0.97	1.94
2004	2.4	0.3	2.7	3.93	10.6	0.3	10.9	1.82		0.92	1.68
2005	2.2	0.5	2.7	3.70	10.0	0.2	10.2	1.69		0.88	1.49
2006	2.0	0.7	2.7	3.65	9.8	0.1	9.9	1.66		0.83	1.38
2007	1.8	0.9	2.7	3.67	9.9	0.0	9.9	1.65		0.79	1.30
2008	1.6	1.1	2.7	3.69	9.9	-0.1	9.9	1.65		0.75	1.23
2009	1.4	1.3	2.7	3.77	10.2	-0.1	10.1	1.68		0.71	1.19
2010	1.3	1.4	2.7	3.86	10.4	-0.1	10.3	1.71		0.67	1.15
2011	1.2	1.5	2.7	3.96	10.7		10.7	1.78		0.64	1.13
2012	1.0	1.4	2.4	4.05	9.8		9.8	1.64		0.61	0.99
2013	0.9	1.2	2.2	4.15	9.1		9.1	1.51		0.57	0.87
2014	0.8	1.1	2.0	4.25	8.3		8.3	1.39		0.54	0.76
2015	0.8	1.0	1.8	4.35	7.7		7.7	1.28		0.52	0.66
2016	0.7	0.9	1.6	4.46	7.1		7.1	1.18		0.49	0.58
2017	0.6	0.8	1.4	4.56	6.5		6.5	1.09		0.47	0.51
2018	0.6	0.7	1.3	4.67	6.0		6.0	1.00		0.44	0.44
2019	0.5	0.7	1.2	4.78	5.5		5.5	0.92		0.42	0.39
2020	0.4	0.6	1.0	4.90	5.1		5.1	0.85		0.40	0.34
2021	0.4	0.5	0.9	5.02	4.7		4.7	0.79		0.38	0.30
2022	0.4	0.5	0.8	5.14	4.3		4.3	0.72		0.36	0.26
2023	0.3	0.4	0.8	5.26	4.0		4.0	0.67		0.34	0.23
2024	0.3	0.4	0.7	5.39	3.7		3.7	0.61		0.32	0.20
2025	0.3	0.4	0.6	5.52	3.4		3.4	0.57		0.30	0.17
2026	0.2	0.3	0.6	5.65	3.1		3.1	0.52		0.29	0.15
2027	0.2	0.3	0.5	5.78	2.9		2.9	0.48		0.27	0.13
2028	0.2	0.3	0.4	5.92	2.7		2.7	0.44		0.26	0.12
2029	0.2	0.2	0.4	6.06	2.5		2.5	0.41		0.25	0.10
2030	0.2	0.2	0.4	6.21	2.3		2.3	0.38		0.23	0.09
2031	0.1	0.2	0.3	6.36	2.1		2.1	0.35		0.22	0.08
2032	0.1	0.2	0.3	6.51	1.9		1.9	0.32		0.21	0.07

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Table CRT-2
Cross Timbers Royalty Trust
Distributable Income

	<i>Q1</i>	<i>Q2</i>	<i>Q3</i>	<i>Q4E</i>	<i>Year</i>	<i>Q1E</i>	<i>Q2E</i>	<i>Q3E</i>	<i>Q4E</i>	<i>Next</i>
	<i>3/31/02</i>	<i>6/30/02</i>	<i>9/30/02</i>	<i>12/31/02</i>	<i>2002E</i>	<i>3/31/03</i>	<i>6/30/03</i>	<i>9/30/03</i>	<i>12/31/03</i>	<i>Twelve</i>
										<i>Months</i>
										<i>12/31/03</i>
Highlights										
Tax credit (\$mm)										
Per unit	0.03	0.02	0.03	0.03	0.10					
Distributable Income (\$mm)	1.80	1.72	2.49	2.49	8.52	2.92	3.22	2.88	2.95	11.98
Per unit	0.30	0.29	0.42	0.42	1.42	0.49	0.54	0.48	0.49	2.00
Units (millions)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Volume										
Natural Gas (bcf)	0.78	0.71	0.77	0.75	3.01	0.75	0.74	0.75	0.75	2.99
Natural Gas (mmcf)	8.5	7.8	8.4	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Days	92	90	91	92	365	92	90	91	92	365
Oil (mb)	83	82	82	82	330	81	78	80	79	318
Oil (mbd)	0.90	0.93	0.89	0.89	0.90	0.88	0.87	0.87	0.86	0.87
Days	92	89	92	92	365	92	89	92	92	365
Total (bcf)	1.28	1.20	1.26	1.25	4.98	1.24	1.20	1.22	1.23	4.90
Price										
Natural Gas (HH lagged three months)										
Henry Hub (\$/mmbtu)	2.41	2.53	3.38	3.21	2.88	4.23	4.97	4.36	4.30	4.47
Differential (\$/mmbtu)	(0.13)	(0.04)	0.33	0.13	0.07	0.17	0.20	0.17	0.17	0.18
CRT (\$/mcf)	2.54	2.57	3.05	3.08	2.81	4.06	4.77	4.19	4.13	4.29
Oil (\$/bbl) (WTI lagged two months)										
WTI Cushing	19.56	23.80	26.49	28.96	24.70	27.22	27.56	26.28	27.87	27.23
CRT	17.28	20.50	24.79	26.96	22.37	25.22	25.56	24.28	25.87	25.23
Total (\$/mcf)	2.67	2.92	3.47	3.64	3.18	4.12	4.57	4.13	4.20	4.25
Revenue (\$mm)										
Natural Gas	1.98	1.82	2.33	2.32	8.46	3.06	3.52	3.13	3.12	12.83
Oil	1.44	1.69	2.03	2.21	7.37	2.05	1.99	1.93	2.04	8.01
Total	3.42	3.50	4.37	4.54	15.83	5.11	5.51	5.06	5.15	20.84
Cost (\$mm)										
Tax, transport & other	0.34	0.51	0.60	0.64	2.09	0.72	0.77	0.71	0.72	2.92
Production	0.75	0.72	0.79	0.79	3.05	0.79	0.79	0.79	0.79	3.16
Total	1.09	1.23	1.40	1.43	5.14	1.51	1.56	1.50	1.51	6.08
Cash flow (\$mm)										
Development	0.28	0.14	0.08	0.20	0.71	0.20	0.20	0.20	0.20	0.80
Excess	(0.07)	0.07								
Net proceeds (\$mm)										
Net proceeds	2.11	2.06	2.89	2.91	9.98	3.41	3.75	3.36	3.44	13.96
Royalty income (\$mm)										
Royalty/Net proceeds	89%	88%	87%	87%	88%	87%	87%	87%	87%	87%
Administration	0.08	0.09	0.04	0.04	0.24	0.04	0.04	0.04	0.04	0.16
Distributable income (\$mm)										
Distributable income	1.80	1.72	2.49	2.49	8.52	2.92	3.22	2.88	2.95	11.98
<i>Modeling ratios</i>										
Tax and other/revenue	0.10	0.15	0.14	0.14	0.13	0.14	0.14	0.14	0.14	0.14

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Table HGT-1
Hugoton Royalty Trust
Present Value

Volume Decline (%/yr):	10	Price Escalation Post 2008 (%/yr):	2.4
Volume Enhancement (%/yr):	10	Discount rate (%/yr):	6.0
Capex/Cash Flow (%):	30	U.S. TIPS Inflation (%/yr):	1.6
Variable Cost (%):	17	U.S. 10 Year Yield (%/yr):	4.0
PV/Volume (\$/mcf):	1.33	PV/EBITDA 2003:	8.1

Year	Basic (bcf)	Volume Enhanced (bcf)	Total (bcf)	Price (\$/mcf)	Revenue (\$mm)	Fixed Cost (\$mm)	Var Cost (\$mm)	Cap Ex (\$mm)	Distribution (\$mm)	(\$/unit)	Tax Credit (\$/unit)	Disc Factor	Present Value (\$/unit)
Total 2003 through 2032; years ending on 12/31													
	274	212	486	4.16	2018	356	343	205	1114	27.85	0.00	0.58	16.10
2003	28.8	0.0	28.8	3.83	110.5	11.9	18.8	22.0	57.9	1.45	0.00	0.97	1.40
2004	25.9	2.9	28.8	3.85	110.9	11.9	18.8	24.1	56.1	1.40		0.92	1.29
2005	23.3	5.5	28.8	3.62	104.2	11.9	17.7	22.4	52.2	1.31		0.86	1.13
2006	20.9	7.8	28.7	3.58	102.8	11.9	17.5	22.0	51.4	1.29		0.81	1.05
2007	18.8	9.9	28.7	3.59	103.0	11.9	17.5	22.1	51.6	1.29		0.77	0.99
2008	16.9	11.8	28.7	3.61	103.5	11.9	17.6	22.2	51.8	1.30		0.73	0.94
2009	15.2	13.4	28.6	3.69	105.8	11.9	18.0	22.8	53.2	1.33		0.68	0.91
2010	13.7	14.9	28.6	3.78	108.3	11.9	18.4	23.4	54.6	1.37		0.65	0.88
2011	12.3	16.3	28.6	3.87	110.8	11.9	18.8	24.0	56.0	1.40		0.61	0.85
2012	11.1	14.6	25.7	3.97	102.0	11.9	17.3		72.8	1.82		0.57	1.04
2013	9.9	13.2	23.1	4.06	93.9	11.9	16.0		66.0	1.65		0.54	0.89
2014	8.9	11.8	20.8	4.16	86.4	11.9	14.7		59.9	1.50		0.51	0.76
2015	8.0	10.6	18.7	4.26	79.5	11.9	13.5		54.2	1.35		0.48	0.65
2016	7.2	9.6	16.8	4.36	73.2	11.9	12.4		48.9	1.22		0.45	0.56
2017	6.5	8.6	15.1	4.47	67.4	11.9	11.5		44.1	1.10		0.43	0.47
2018	5.8	7.7	13.6	4.57	62.1	11.9	10.6		39.6	0.99		0.40	0.40
2019	5.2	7.0	12.2	4.68	57.1	11.9	9.7		35.6	0.89		0.38	0.34
2020	4.7	6.2	11.0	4.80	52.6	11.9	8.9		31.8	0.79		0.36	0.29
2021	4.2	5.6	9.9	4.91	48.4	11.9	8.2		28.3	0.71		0.34	0.24
2022	3.8	5.1	8.9	5.03	44.6	11.9	7.6		25.1	0.63		0.32	0.20
2023	3.4	4.5	8.0	5.15	41.0	11.9	7.0		22.2	0.55		0.30	0.17
2024	3.1	4.1	7.2	5.27	37.8	11.9	6.4		19.5	0.49		0.28	0.14
2025	2.8	3.7	6.4	5.40	34.8	11.9	5.9		17.0	0.42		0.27	0.11
2026	2.5	3.3	5.8	5.53	32.0	11.9	5.4		14.7	0.37		0.25	0.09
2027	2.2	3.0	5.2	5.66	29.5	11.9	5.0		12.6	0.31		0.24	0.08
2028	2.0	2.7	4.7	5.80	27.1	11.9	4.6		10.7	0.27		0.23	0.06
2029	1.8	2.4	4.2	5.94	25.0	11.9	4.2		8.9	0.22		0.21	0.05
2030	1.6	2.2	3.8	6.08	23.0	11.9	3.9		7.2	0.18		0.20	0.04
2031	1.5	1.9	3.4	6.23	21.2	11.9	3.6		5.7	0.14		0.19	0.03
2032	1.3	1.7	3.1	6.38	19.5	11.9	3.3		4.3	0.11		0.18	0.02

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Table HGT-2
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Distributable Income

	Q1	Q2	Q3	Q4E	Year	Q1E	Q2E	Q3E	Q4E	Next Twelve Months
	3/31/02	6/30/02	9/30/02	12/31/02	2002E	3/31/03	6/30/03	9/30/03	12/31/03	12/31/03
Highlights										
Revenue (\$mm) (80%)	18.5	16.5	19.7	20.4	75.1	28.4	28.6	26.9	26.6	110.5
Cash flow (\$mm) (80%)	12.0	10.1	13.2	13.5	49.0	20.7	21.0	19.3	19.1	80.2
Per unit	0.30	0.25	0.33	0.34	1.22	0.52	0.53	0.48	0.48	2.00
Tax credit (\$mm)	0.2	0.2	0.2	0.2	0.7					
Per unit	0.00	0.00	0.00	0.00	0.02					
Distributable Income (\$mm)	7.4	5.3	8.6	9.1	30.5	16.5	14.6	13.5	13.3	57.9
Per unit	0.18	0.13	0.22	0.23	0.76	0.41	0.37	0.34	0.33	1.45
Units (millions)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Volume										
Natural Gas (bcf)	9.0	8.3	8.6	8.6	34.5	8.6	8.3	8.6	8.6	33.9
Natural Gas (mmcf)	98.1	93.1	93.4	93.0	94.4	93.0	93.0	93.0	93.0	93.0
Days	92	89	92	92	365	92	89	92	92	365
Oil (mb)	90	88	90	90	358	89	85	87	86	346
Oil (mbd)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
Days	92	89	92	92	365	92	89	92	92	365
Total (bcf)	9.6	8.8	9.1	9.1	36.6	9.1	8.8	9.1	9.1	36.0
Price										
Natural Gas (HH lagged two months)										
Henry Hub (\$/mmbtu)	2.34	2.92	3.23	3.59	3.02	4.55	4.76	4.31	4.28	4.48
Differential (\$/mmbtu)	(0.03)	0.67	0.64	0.91	0.55	0.68	0.71	0.65	0.64	0.67
HGT (\$/mcf)	2.38	2.25	2.60	2.68	2.48	3.87	4.05	3.66	3.64	3.80
Oil (\$/bbl) (WTI Cushing lagged two months)										
WTI Cushing	19.56	23.80	26.49	28.96	24.70	27.22	27.56	26.28	25.29	26.59
HGT	18.80	22.27	25.84	28.46	23.85	26.72	27.06	25.78	24.79	26.09
Total (\$/mcf)	2.42	2.33	2.70	2.80	2.56	3.90	4.07	3.70	3.67	3.83
Revenue (\$mm)										
Natural Gas	21.5	18.6	22.3	22.9	85.3	33.1	33.5	31.3	31.1	129.1
Oil	1.7	2.0	2.3	2.5	8.5	2.4	2.3	2.2	2.1	9.0
Total	23.2	20.6	24.6	25.5	93.9	35.5	35.8	33.6	33.3	138.1
Cost (\$mm)										
Tax, transport & other	1.7	1.9	2.2	2.5	8.3	3.5	3.6	3.4	3.3	13.8
Production	4.4	4.0	3.8	4.0	16.2	4.0	3.9	4.0	4.0	15.9
Overhead	2.0	2.0	2.1	2.1	8.1	2.1	2.1	2.1	2.1	8.2
Total	8.1	7.9	8.1	8.6	32.7	9.6	9.5	9.4	9.4	37.9
Cash flow (\$mm)										
Development	5.8	5.8	5.8	5.4	22.7	5.2	7.9	7.3	7.2	27.5
Net proceeds (\$mm)	9.3	6.9	10.7	11.5	38.5	20.7	18.4	16.9	16.7	72.7
Royalty income (\$mm)										
Royalty/Net proceeds	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
Administration	0.1	0.2	(0.0)	0.1	0.3	0.1	0.1	0.1	0.1	0.3
Distributable income (\$mm)										
	7.4	5.3	8.6	9.1	30.5	16.5	14.6	13.5	13.3	57.9
<i>Cost ratios</i>										
Tax and other/revenue	7%	9%	9%	10%	9%	10%	10%	10%	10%	10%
Production cost (\$/mcf)	0.46	0.46	0.42	0.43	0.44	0.44	0.44	0.44	0.44	0.44
Overhead cost (\$/mcf)	0.21	0.23	0.23	0.23	0.22	0.23	0.23	0.23	0.23	0.23
Development/Cash flow	0.38	0.46	0.35	0.32	0.37	0.20	0.30	0.30	0.30	0.27

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Natural Gas Royalty Trusts

A Weekly Analysis

December 16, 2002

Table SJT-1
San Juan Basin Royalty Trust
Present Value

Volume Decline (%/yr):	10	Price Escalation Post 2008 (%/yr):	2.4
Volume Enhancement (%/yr):	10	Discount rate (%/yr):	6.0
Capex/Cash Flow (%):	25	U.S. TIPS Inflation (%/yr):	1.6
Variable Cost (%):	12	U.S. 10 Year Yield (%/yr):	4.0
PV/Volume (\$/mcf):	1.35	PV/EBITDA 2003:	7.9

Year	Basic (bcf)	Volume Enhanced (bcf)	Total (bcf)	Price (\$/mcf)	Revenue (\$mm)	Fixed Cost (\$mm)	Var Cost (\$mm)	Cap Ex (\$mm)	Distribution (\$mm)	(\$/unit)	Tax Credit (\$/unit)	Disc Factor	Present Value (\$/unit)
Total 2003 through 2032; years ending on 12/31													
	318	244	562	3.78	2127	388	255	198	1285	27.58	0.00	0.59	16.30
2003	34.5	0.0	34.5	3.51	121.2	11.0	14.5	23.0	72.6	1.56	0.00	0.97	1.51
2004	30.9	3.5	34.4	3.52	120.9	13.0	14.5	23.4	70.1	1.50		0.92	1.38
2005	27.7	6.5	34.2	3.31	113.3	13.0	13.6	21.7	65.0	1.39		0.86	1.21
2006	24.8	9.3	34.0	3.27	111.3	13.0	13.4	21.2	63.7	1.37		0.81	1.11
2007	22.2	11.7	33.9	3.28	111.2	13.0	13.3	21.2	63.6	1.37		0.77	1.05
2008	19.9	13.9	33.7	3.30	111.3	13.0	13.4	21.2	63.7	1.37		0.73	0.99
2009	17.8	15.8	33.6	3.38	113.4	13.0	13.6	21.7	65.1	1.40		0.68	0.96
2010	15.9	17.5	33.4	3.46	115.6	13.0	13.9	22.2	66.6	1.43		0.65	0.92
2011	14.3	19.0	33.3	3.54	117.9	13.0	14.1	22.7	68.0	1.46		0.61	0.89
2012	12.8	17.0	29.8	3.63	108.1	13.0	13.0		82.1	1.76		0.57	1.01
2013	11.4	15.2	26.7	3.71	99.1	13.0	11.9		74.2	1.59		0.54	0.86
2014	10.2	13.7	23.9	3.80	90.9	13.0	10.9		67.0	1.44		0.51	0.73
2015	9.2	12.2	21.4	3.89	83.3	13.0	10.0		60.3	1.29		0.48	0.62
2016	8.2	10.9	19.2	3.99	76.4	13.0	9.2		54.2	1.16		0.45	0.53
2017	7.4	9.8	17.2	4.08	70.1	13.0	8.4		48.7	1.04		0.43	0.45
2018	6.6	8.8	15.4	4.18	64.3	13.0	7.7		43.5	0.93		0.40	0.38
2019	5.9	7.9	13.8	4.28	58.9	13.0	7.1		38.8	0.83		0.38	0.32
2020	5.3	7.0	12.3	4.38	54.0	13.0	6.5		34.5	0.74		0.36	0.27
2021	4.7	6.3	11.0	4.49	49.5	13.0	5.9		30.6	0.66		0.34	0.22
2022	4.2	5.6	9.9	4.60	45.4	13.0	5.5		27.0	0.58		0.32	0.19
2023	3.8	5.1	8.9	4.71	41.7	13.0	5.0		23.7	0.51		0.30	0.15
2024	3.4	4.5	7.9	4.82	38.2	13.0	4.6		20.6	0.44		0.28	0.13
2025	3.0	4.1	7.1	4.94	35.0	13.0	4.2		17.8	0.38		0.27	0.10
2026	2.7	3.6	6.4	5.05	32.1	13.0	3.9		15.3	0.33		0.25	0.08
2027	2.4	3.3	5.7	5.18	29.5	13.0	3.5		12.9	0.28		0.24	0.07
2028	2.2	2.9	5.1	5.30	27.0	13.0	3.2		10.8	0.23		0.23	0.05
2029	2.0	2.6	4.6	5.43	24.8	13.0	3.0		8.8	0.19		0.21	0.04
2030	1.8	2.3	4.1	5.56	22.7	13.0	2.7		7.0	0.15		0.20	0.03
2031	1.6	2.1	3.7	5.69	20.8	13.0	2.5		5.3	0.11		0.19	0.02
2032	1.4	1.9	3.3	5.83	19.1	13.0	2.3		3.8	0.08		0.18	0.01

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Natural Gas Royalty Trusts

A Weekly Analysis

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Table SJT-2
San Juan Basin Royalty Trust
Distributable Income

	Q1	Q2	Q3	Q4E	Year	Q1E	Q2E	Q3E	Q4E	Next Twelve Months
	3/31/02	6/30/02	9/30/02	12/31/02	2002E	3/31/03	6/30/03	9/30/03	12/31/03	12/31/03
Highlights										
Revenue (\$mm) (75%)	19.2	18.6	20.7	21.4	79.9	29.2	32.1	30.0	29.8	121.2
Cash flow (\$mm) (75%)	14.1	14.1	16.0	16.2	60.4	23.4	26.1	24.1	23.9	97.6
Per unit	0.30	0.30	0.34	0.35	1.30	0.50	0.56	0.52	0.51	2.09
Tax credit (\$mm)	0.5	1.4	1.9	1.9	5.6					
Per unit	0.01	0.03	0.04	0.04	0.12					
Distributable Income (\$mm)	3.5	9.0	12.2	11.9	36.7	18.5	19.1	17.6	17.5	72.6
Per unit	0.08	0.19	0.26	0.26	0.79	0.40	0.41	0.38	0.37	1.56
Units (millions)	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
Volume										
Natural gas (mmbtu)	12.5	12.0	11.6	12.3	48.5	12.2	11.8	12.2	12.2	48.6
Heat Content(btu/cf)	1,092	1,077	970	1,068	1,051	1,068	1,068	1,068	1,068	1,068
Natural gas (bcf)	11.5	11.1	12.0	11.6	46.2	11.5	11.1	11.5	11.5	45.5
Natural Gas (mmcf)	124.7	125.1	130.4	125.6	126.5	124.6	124.6	124.6	124.6	124.6
Days	92	89	92	92	365	92	89	92	92	365
Oil (mb)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Oil (mbd)	0.3	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2
Total gas & oil (bcf)	11.6	11.3	12.1	11.7	46.7	11.6	11.2	11.6	11.6	46.0
Price										
Natural gas (\$/mmbtu) (Henry Hub lagged two months)										
Henry Hub (\$/mmbtu)	2.34	2.92	3.23	3.59	3.02	4.55	4.76	4.31	4.28	4.48
Differential (%)	14	31	28	37	29	31	25	25	25	27
Total	2.01	2.02	2.33	2.27	2.16	3.14	3.57	3.23	3.21	3.29
Natural gas (\$/mcf)	2.20	2.18	2.26	2.42	2.26	3.36	3.81	3.45	3.43	3.51
Oil (\$/bbl) (WTI Cushing lagged two months)										
WTI Cushing	19.56	23.80	26.49	28.96	24.70	27.22	27.56	26.28	25.29	26.59
SJT	15.78	19.14	21.95	24.00	20.10	22.56	22.83	21.78	20.95	22.02
Total gas & oil (\$/mcf)	2.20	2.19	2.28	2.44	2.28	3.36	3.81	3.45	3.43	3.51
Revenue (\$mm)										
Natural Gas	25.2	24.2	27.1	28.0	104.5	38.5	42.3	39.6	39.3	159.6
Oil	0.4	0.5	0.5	0.5	1.9	0.5	0.5	0.5	0.5	2.0
Total	25.6	24.8	27.6	28.5	106.5	39.0	42.8	40.1	39.8	161.6
Cost (\$mm)										
Severance tax	2.6	2.4	2.3	2.6	9.9	3.8	4.1	3.8	3.8	15.5
Operating	4.1	3.7	4.0	4.2	16.0	4.0	3.9	4.0	4.0	15.9
Total	6.7	6.0	6.3	6.8	25.9	7.8	8.0	7.9	7.8	31.4
Cash flow (\$mm)										
Development	11.3	3.4	2.1	5.1	21.9	6.0	8.7	8.0	8.0	30.7
Net proceeds (\$mm)										
Royalty/Net proceeds	7.5	15.4	19.2	16.6	58.7	25.2	26.1	24.1	23.9	99.4
Royalty income (\$mm)										
Royalty/Net proceeds	5.6	11.5	14.4	12.4	44.0	18.9	19.6	18.1	18.0	74.6
Administration	0.4	0.5	0.6	0.5	2.0	0.5	0.5	0.5	0.5	2.0
One-time	1.7	2.0	1.6		5.3					-
Distributable income (\$mm)										
	3.5	9.0	12.2	11.9	36.7	18.5	19.1	17.6	17.5	72.6
<i>Modeling ratios</i>										
Severance tax/revenue	10.2%	9.5%	8.5%	9.3%	9.3%	9.6%	9.6%	9.6%	9.6%	9.6%
Operating cost (\$/mcf)	0.36	0.32	0.33	0.36	0.34	0.35	0.35	0.35	0.35	0.35

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Natural Gas Royalty Trusts

A Weekly Analysis

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Table SJT-3
San Juan Basin Royalty Trust
Monthly Declarations

	<i>Aug-02</i>	<i>Sep-02</i>	<i>Oct-02</i>	<i>Nov-02</i>	<i>Dec-02</i>	<i>Jan-03</i>	<i>Feb-03</i>	<i>Mar-03</i>
Distribution (\$/unit)								
Declared	0.08	0.10	0.12	0.04				
Projected					0.10	0.11	0.13	0.16
Volume								
Natural gas (mmbtu)	3.77	3.95	4.49	3.77	4.07	3.94	4.07	4.07
Heat Content(btu/cf)	807	1,068	1,084	1,064	1,054	1,054	1,054	1,054
Natural gas (bcf)	4.67	3.70	4.15	3.55	3.86	3.74	3.86	3.86
Natural Gas (mmcf)	156	119	134	118	125	125	125	125
Days	30	31	31	30	31	30	31	31
Price								
Natural gas industry quotes lagged two months (\$/mmbtu)								
Henry Hub Daily/Futures	3.22	2.99	3.09	3.55	4.12	4.03	4.54	5.09
San Juan Monthly Index	2.24	2.62	2.50	2.42	2.52	3.25	3.45	
SJT/Henry Hub	0.75	0.78	0.74	0.55	0.62	0.70	0.68	0.71
SJT/San Juan Index	1.08	0.89	0.91	0.81	1.01	0.87	0.90	
SJT (\$/mmbtu)	2.41	2.32	2.28	1.95	2.55	2.83	3.10	3.61
SJT (\$/mcf)	1.95	2.47	2.47	2.07	2.68	2.98	3.26	3.81
Revenue (\$mm)								
Natural Gas	9.1	9.1	10.2	7.3	10.4	11.1	12.6	14.7
Other	(0.2)	0.0	(0.1)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)
Cost (\$mm)								
Severance tax	0.8	0.9	0.9	0.7	1.0	1.1	1.2	1.4
Operating	1.6	1.3	1.1	1.8	1.3	1.3	1.3	1.3
Total	2.4	2.2	2.0	2.5	2.3	2.4	2.5	2.8
Cash flow (\$mm)	6.5	6.9	8.2	4.8	8.0	8.7	10.0	11.9
Development	1.0	0.5	1.0	2.1	2.0	2.0	2.0	2.0
Net proceeds (\$mm)	5.5	6.5	7.2	2.7	6.0	6.7	8.0	9.9
Royalty income (\$mm)	4.1	4.9	5.4	2.0	4.5	5.0	6.0	7.4
Royalty/Net proceeds	75%	75%	75%	75%	75%	75%	75%	75%
One time	0.6							
Distributable income (\$mm)	3.5	4.9	5.4	2.0	4.5	5.0	6.0	7.4
Units (millions)	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
Distribution (\$/unit)	0.08	0.10	0.12	0.04	0.10	0.11	0.13	0.16
<i>Latest Twelve Month Average</i>								
Heat Content(btu/cf)	1,059	1,059	1,057	1,054				
Natural Gas (mmcf)	124	123	125	125				
SJT/Henry Hub	0.73	0.73	0.74	0.71				
SJT/San Juan Index	0.87	0.87	0.87	0.86				
Other revenue	(0.0)	(0.0)	(0.0)	(0.0)				
Operating	1.3	1.3	1.3	1.3				
Development	2.5	2.4	2.2	2.0				
Severance tax/revenue	10.0%	9.8%	9.7%	9.6%				

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