

Natural Gas Royalty Trusts

A Weekly Analysis

November 25, 2002

Unmanaged Earnings

Summary and Recommendation

It may be an exciting winter for natural gas as interfuel competition diminishes when the weather turns cold. One-year natural gas scored a better than one sigma gain in the past week. That points to a favorable outlook for recommended SJT and for CRT and HGT. Meanwhile latest monthly distributions declared on November 18 were in line for CRT at \$0.14 per unit, low for HGT at \$0.06 and especially low for SJT at \$0.04. We attribute the results at SJT to fluctuations in cash reporting that is not smoothed in a managed earnings process. Nonetheless estimated Next Twelve Months distributions are higher as we move the period out to December 31, 2003 and one-year commodity price advances.

Cash Results Fluctuate at SJT

On November 18, SJT reported a distribution of \$0.04 compared to \$0.12 the previous month. The average of the two months came close to the average of our expectations. Investors would not accuse the trustee of SJT of artificially smoothing the reported monthly results. The trustee views its responsibility to pass along payments from the operator of the trust's properties as received. Nor does the price of natural gas reported by the trustee necessarily equal the price received in a particular month. The trustee apparently calculates price as the ratio of revenues received over volumes produced. The numerator and the denominator each can be affected by unrelated distortions. Thus the price reported on November 18 was a low \$1.95 per million btu. The ratio of price to the San Juan index was about 0.81 compared to a range for the past two years of 0.68 to 1.08.

Kurt H. Wulff, CFA

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

	<i>Symbol/ Rating</i>	<i>Price (\$/sh) 21-Nov 2002</i>	<i>Shares (mm)</i>	<i>Market Cap (\$mm)</i>	<i>Net Present Value (\$/sh)</i>	<i>Debt/ Present Value</i>	<i>McDep Ratio</i>
Cross Timbers Royalty Trust	CRT	18.74	6.0	112	19.40	-	0.96
San Juan Basin Royalty Trust	SJT	13.06	46.6	610	15.90	-	0.82
Hugoton RoyaltyTrust (46%)	HGT	11.45	18.4	210	15.40	-	0.74

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.

	Symbol/ Rating	Price (\$/sh) 21-Nov 2002	EV/ Sales NTM	EV/ Ebitda NTM	P/E NTM	Dividend or Distribution NTM (%)	PV/ Ebitda NTM
Cross Timbers Royalty Trust	CRT	18.74	6.7	9.6	10	9.7	9.9
San Juan Basin Royalty Trust	SJT B	13.06	5.3	6.8	9	10.9	8.3
Hugoton RoyaltyTrust (46%)	HGT	11.45	4.5	6.4	9	11.2	8.6

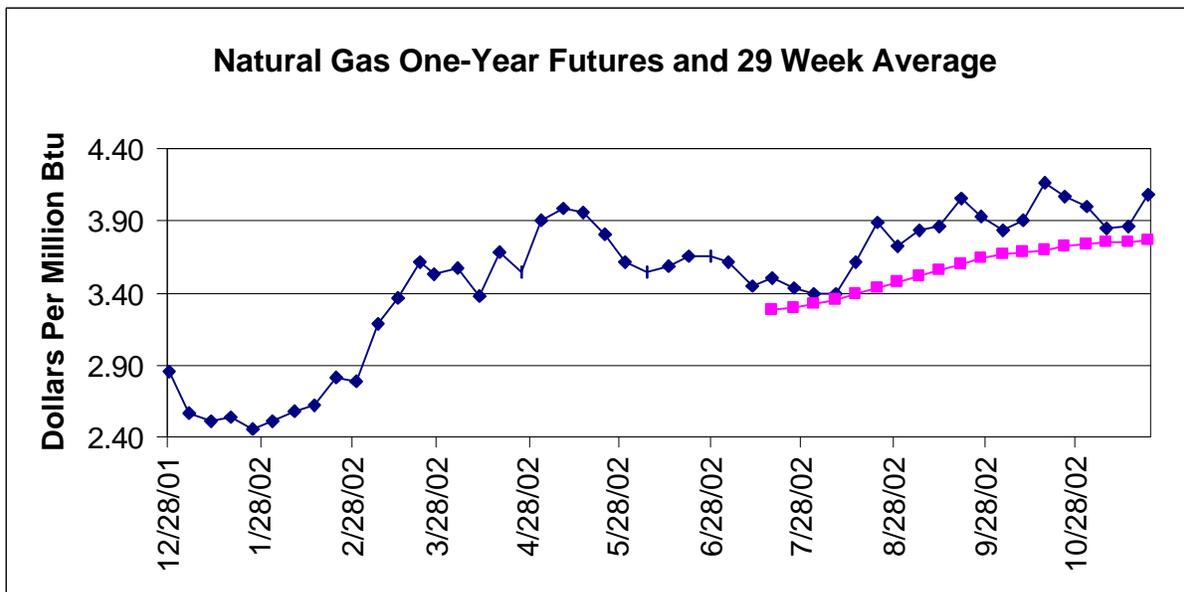
EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation and amortization; NTM = Next Twelve Months Ended December 31, 2003; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses

Natural Gas and Oil Futures

November 21, 2002

	2003	2004	2005	2006	2007	2008	Six Year
Natural Gas (\$/mmbtu)							
Year ending November	4.08	3.87	3.76	3.75	3.81	3.86	3.85
Year ending December	4.07	3.86	3.75	3.76	3.81		
Light Sweet Crude Oil (\$/bbl)							
Year ending November	25.31	23.46	23.04	23.00	22.96	22.89	23.44
Year ending December	25.08	23.39	23.04	23.00	22.96		

Source: Nymex, FutureSource, wsj.com



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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):	5.5
		U.S. TIPS Inflation (%/yr):	1.6
		U.S. 10 Year Yield (%/yr):	4.1
PV/Volume (\$/mcf):	2.54	PV/EBITDA 2002:	10.2

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	4.20	193	1	194	32.25	0.00	0.60	19.40
2003	2.7	0.0	2.7	3.93	10.6	0.3	10.9	1.81	0.00	0.97	1.76
2004	2.4	0.3	2.7	3.69	9.9	0.3	10.3	1.71		0.92	1.58
2005	2.2	0.5	2.7	3.58	9.6	0.2	9.8	1.64		0.88	1.44
2006	2.0	0.7	2.7	3.56	9.6	0.1	9.7	1.62		0.83	1.34
2007	1.8	0.9	2.7	3.61	9.7	0.1	9.8	1.63		0.79	1.28
2008	1.6	1.1	2.7	3.66	9.9	0.0	9.8	1.64		0.75	1.22
2009	1.4	1.3	2.7	3.75	10.1	0.0	10.1	1.68		0.71	1.18
2010	1.3	1.4	2.7	3.84	10.3	-0.1	10.3	1.71		0.67	1.15
2011	1.2	1.5	2.7	3.93	10.6		10.6	1.77		0.64	1.12
2012	1.0	1.4	2.4	4.03	9.8		9.8	1.63		0.60	0.98
2013	0.9	1.2	2.2	4.12	9.0		9.0	1.50		0.57	0.86
2014	0.8	1.1	2.0	4.22	8.3		8.3	1.38		0.54	0.75
2015	0.8	1.0	1.8	4.33	7.6		7.6	1.27		0.51	0.65
2016	0.7	0.9	1.6	4.43	7.0		7.0	1.17		0.49	0.57
2017	0.6	0.8	1.4	4.54	6.5		6.5	1.08		0.46	0.50
2018	0.6	0.7	1.3	4.65	6.0		6.0	1.00		0.44	0.44
2019	0.5	0.7	1.2	4.76	5.5		5.5	0.92		0.41	0.38
2020	0.4	0.6	1.0	4.88	5.1		5.1	0.85		0.39	0.33
2021	0.4	0.5	0.9	4.99	4.7		4.7	0.78		0.37	0.29
2022	0.4	0.5	0.8	5.12	4.3		4.3	0.72		0.35	0.25
2023	0.3	0.4	0.8	5.24	4.0		4.0	0.66		0.33	0.22
2024	0.3	0.4	0.7	5.37	3.7		3.7	0.61		0.32	0.19
2025	0.3	0.4	0.6	5.50	3.4		3.4	0.56		0.30	0.17
2026	0.2	0.3	0.6	5.63	3.1		3.1	0.52		0.29	0.15
2027	0.2	0.3	0.5	5.77	2.9		2.9	0.48		0.27	0.13
2028	0.2	0.3	0.4	5.90	2.7		2.7	0.44		0.26	0.11
2029	0.2	0.2	0.4	6.05	2.4		2.4	0.41		0.24	0.10
2030	0.2	0.2	0.4	6.19	2.3		2.3	0.38		0.23	0.09
2031	0.1	0.2	0.3	6.34	2.1		2.1	0.35		0.22	0.08
2032	0.1	0.2	0.3	6.50	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	2.84	2.78	2.58	2.65	10.87
Per unit	0.30	0.29	0.42	0.42	1.42	0.47	0.46	0.43	0.44	1.81
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	4.17	4.33	3.94	3.93	4.09
Differential (\$/mmbtu)	(0.13)	(0.04)	0.33	0.13	0.07	0.17	0.17	0.16	0.16	0.16
CRT (\$/mcf)	2.54	2.57	3.05	3.08	2.81	4.00	4.16	3.78	3.78	3.93
Oil (\$/bbl) (WTI lagged two months)										
WTI Cushing	19.56	23.80	26.49	28.96	24.70	26.49	25.91	25.09	26.16	25.91
CRT	17.28	20.50	24.79	26.96	22.37	24.49	23.91	23.09	24.16	23.92
Total (\$/mcf)	2.67	2.92	3.47	3.64	3.18	4.03	4.09	3.81	3.87	3.95
Revenue (\$mm)										
Natural Gas	1.98	1.82	2.33	2.32	8.46	3.02	3.07	2.82	2.85	11.75
Oil	1.44	1.69	2.03	2.21	7.37	1.99	1.86	1.84	1.90	7.59
Total	3.42	3.50	4.37	4.54	15.83	5.01	4.93	4.66	4.75	19.35
Cost (\$mm)										
Tax, transport & other	0.34	0.51	0.60	0.64	2.09	0.70	0.69	0.65	0.67	2.71
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	1.49	1.48	1.44	1.46	5.87
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	3.31	3.25	3.02	3.10	12.67
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	2.84	2.78	2.58	2.65	10.87
Modeling ratios										
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):	6.1
Capex/Cash Flow (%):	30	U.S. TIPS Inflation (%/yr):	1.6
Variable Cost (%):	17	U.S. 10 Year Yield (%/yr):	4.1
PV/Volume (\$/mcf):	1.27	PV/EBITDA 2002:	8.6

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	4.09	1986	376	338	197	1075	26.88	0.00	0.57	15.40
2003	28.8	0.0	28.8	3.50	101.0	12.5	17.2	19.9	51.4	1.29	0.00	0.97	1.25
2004	25.9	2.9	28.8	3.61	104.0	12.5	17.7	22.1	51.6	1.29		0.92	1.18
2005	23.3	5.5	28.8	3.50	100.7	12.5	17.1	21.3	49.7	1.24		0.86	1.07
2006	20.9	7.8	28.7	3.48	100.1	12.5	17.0	21.2	49.4	1.23		0.81	1.00
2007	18.8	9.9	28.7	3.54	101.6	12.5	17.3	21.5	50.2	1.26		0.77	0.96
2008	16.9	11.8	28.7	3.58	102.7	12.5	17.5	21.8	50.9	1.27		0.72	0.92
2009	15.2	13.4	28.6	3.67	105.1	12.5	17.9	22.4	52.3	1.31		0.68	0.89
2010	13.7	14.9	28.6	3.76	107.6	12.5	18.3	23.0	53.7	1.34		0.64	0.86
2011	12.3	16.3	28.6	3.85	110.1	12.5	18.7	23.6	55.2	1.38		0.61	0.84
2012	11.1	14.6	25.7	3.94	101.3	12.5	17.2		71.6	1.79		0.57	1.02
2013	9.9	13.2	23.1	4.04	93.3	12.5	15.9		64.9	1.62		0.54	0.87
2014	8.9	11.8	20.8	4.14	85.9	12.5	14.6		58.8	1.47		0.51	0.75
2015	8.0	10.6	18.7	4.24	79.1	12.5	13.4		53.1	1.33		0.48	0.64
2016	7.2	9.6	16.8	4.34	72.8	12.5	12.4		47.9	1.20		0.45	0.54
2017	6.5	8.6	15.1	4.44	67.1	12.5	11.4		43.1	1.08		0.42	0.46
2018	5.8	7.7	13.6	4.55	61.7	12.5	10.5		38.7	0.97		0.40	0.39
2019	5.2	7.0	12.2	4.66	56.9	12.5	9.7		34.7	0.87		0.38	0.33
2020	4.7	6.2	11.0	4.77	52.3	12.5	8.9		30.9	0.77		0.36	0.28
2021	4.2	5.6	9.9	4.89	48.2	12.5	8.2		27.5	0.69		0.34	0.23
2022	3.8	5.1	8.9	5.01	44.4	12.5	7.5		24.3	0.61		0.32	0.19
2023	3.4	4.5	8.0	5.13	40.9	12.5	6.9		21.4	0.53		0.30	0.16
2024	3.1	4.1	7.2	5.25	37.6	12.5	6.4		18.7	0.47		0.28	0.13
2025	2.8	3.7	6.4	5.38	34.6	12.5	5.9		16.2	0.41		0.27	0.11
2026	2.5	3.3	5.8	5.51	31.9	12.5	5.4		13.9	0.35		0.25	0.09
2027	2.2	3.0	5.2	5.64	29.4	12.5	5.0		11.8	0.30		0.24	0.07
2028	2.0	2.7	4.7	5.78	27.0	12.5	4.6		9.9	0.25		0.22	0.06
2029	1.8	2.4	4.2	5.92	24.9	12.5	4.2		8.1	0.20		0.21	0.04
2030	1.6	2.2	3.8	6.06	22.9	12.5	3.9		6.5	0.16		0.20	0.03
2031	1.5	1.9	3.4	6.21	21.1	12.5	3.6		5.0	0.12		0.19	0.02
2032	1.3	1.7	3.1	6.36	19.4	12.5	3.3		3.6	0.09		0.18	0.02

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Hugoton 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) (80%)	18.5	16.5	19.7	20.4	75.1	26.7	25.2	24.5	24.5	101.0
Cash flow (\$mm) (80%)	12.0	10.1	13.2	13.5	49.0	19.2	18.0	17.2	17.2	71.6
Per unit	0.30	0.25	0.33	0.34	1.22	0.48	0.45	0.43	0.43	1.79
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	15.0	12.5	12.0	12.0	51.4
Per unit	0.18	0.13	0.22	0.23	0.76	0.37	0.31	0.30	0.30	1.29
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	4.27	4.18	3.92	3.93	4.08
Differential (\$/mmbtu)	(0.03)	0.67	0.64	0.91	0.55	0.64	0.63	0.59	0.59	0.61
HGT (\$/mcf)	2.38	2.25	2.60	2.68	2.48	3.63	3.55	3.33	3.34	3.46
Oil (\$/bbl) (WTI Cushing lagged two months)										
WTI Cushing	19.56	23.80	26.49	28.96	24.70	26.49	25.91	25.09	24.48	25.49
HGT	18.80	22.27	25.84	28.46	23.85	25.99	25.41	24.59	23.98	25.00
Total (\$/mcf)	2.42	2.33	2.70	2.80	2.56	3.67	3.59	3.38	3.38	3.50
Revenue (\$mm)										
Natural Gas	21.5	18.6	22.3	22.9	85.3	31.1	29.4	28.5	28.6	117.6
Oil	1.7	2.0	2.3	2.5	8.5	2.3	2.2	2.1	2.1	8.7
Total	23.2	20.6	24.6	25.5	93.9	33.4	31.5	30.7	30.7	126.2
Cost (\$mm)										
Tax, transport & other	1.7	1.9	2.2	2.5	8.3	3.3	3.2	3.1	3.1	12.6
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	9.4	9.1	9.1	9.1	36.7
Cash flow (\$mm)										
Development	5.8	5.8	5.8	5.4	22.7	5.2	6.7	6.5	6.5	24.8
Net proceeds (\$mm)										
	9.3	6.9	10.7	11.5	38.5	18.8	15.7	15.1	15.1	64.7
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	15.0	12.5	12.0	12.0	51.4
Cost ratios										
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	0.22	0.30	0.30	0.30	0.28

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Natural Gas Royalty Trusts

A Weekly Analysis

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Table SJT-1
San Juan Basin Royalty Trust
Present Value

Volume Decline (%/yr):	11	Price Escalation Post 2008 (%/yr):	2.4
Volume Enhancement (%/yr):	10	Discount rate (%/yr):	6.1
Capex/Cash Flow (%):	25	U.S. TIPS Inflation (%/yr):	1.6
Variable Cost (%):	12	U.S. 10 Year Yield (%/yr):	4.1
PV/Volume (\$/mcf):	1.32	PV/EBITDA 2002:	8.3

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													
	319	244	563	3.72	2096	389	252	195	1261	27.06	0.00	0.59	15.90
2003	34.9	0.0	34.9	3.27	114.1	11.6	13.7	22.4	66.4	1.42	0.00	0.97	1.38
2004	31.2	3.5	34.7	3.30	114.6	13.0	13.8	22.0	65.9	1.41		0.92	1.29
2005	27.9	6.6	34.5	3.20	110.5	13.0	13.3	21.0	63.1	1.36		0.86	1.17
2006	25.0	9.4	34.3	3.18	109.3	13.0	13.1	20.8	62.4	1.34		0.81	1.09
2007	22.3	11.8	34.1	3.23	110.4	13.0	13.3	21.0	63.1	1.35		0.77	1.04
2008	20.0	14.0	34.0	3.27	111.2	13.0	13.3	21.2	63.7	1.37		0.72	0.99
2009	17.9	15.9	33.8	3.35	113.3	13.0	13.6	21.7	65.0	1.40		0.68	0.95
2010	16.0	17.6	33.6	3.44	115.4	13.0	13.8	22.1	66.4	1.42		0.64	0.92
2011	14.3	19.1	33.4	3.52	117.5	13.0	14.1	22.6	67.8	1.46		0.61	0.88
2012	12.8	17.1	29.9	3.60	107.7	13.0	12.9		81.7	1.75		0.57	1.00
2013	11.4	15.3	26.7	3.69	98.6	13.0	11.8		73.8	1.58		0.54	0.85
2014	10.2	13.7	23.9	3.78	90.4	13.0	10.8		66.5	1.43		0.51	0.72
2015	9.2	12.2	21.4	3.87	82.8	13.0	9.9		59.9	1.28		0.48	0.61
2016	8.2	10.9	19.1	3.97	75.9	13.0	9.1		53.7	1.15		0.45	0.52
2017	7.3	9.8	17.1	4.06	69.5	13.0	8.3		48.2	1.03		0.42	0.44
2018	6.6	8.7	15.3	4.16	63.7	13.0	7.6		43.0	0.92		0.40	0.37
2019	5.9	7.8	13.7	4.26	58.3	13.0	7.0		38.3	0.82		0.38	0.31
2020	5.2	7.0	12.2	4.36	53.4	13.0	6.4		34.0	0.73		0.36	0.26
2021	4.7	6.3	11.0	4.47	49.0	13.0	5.9		30.1	0.65		0.34	0.22
2022	4.2	5.6	9.8	4.58	44.8	13.0	5.4		26.5	0.57		0.32	0.18
2023	3.8	5.0	8.8	4.69	41.1	13.0	4.9		23.2	0.50		0.30	0.15
2024	3.4	4.5	7.8	4.80	37.6	13.0	4.5		20.1	0.43		0.28	0.12
2025	3.0	4.0	7.0	4.92	34.5	13.0	4.1		17.3	0.37		0.27	0.10
2026	2.7	3.6	6.3	5.04	31.6	13.0	3.8		14.8	0.32		0.25	0.08
2027	2.4	3.2	5.6	5.16	28.9	13.0	3.5		12.5	0.27		0.24	0.06
2028	2.2	2.9	5.0	5.28	26.5	13.0	3.2		10.3	0.22		0.22	0.05
2029	1.9	2.6	4.5	5.41	24.3	13.0	2.9		8.4	0.18		0.21	0.04
2030	1.7	2.3	4.0	5.54	22.3	13.0	2.7		6.6	0.14		0.20	0.03
2031	1.5	2.1	3.6	5.68	20.4	13.0	2.4		4.9	0.11		0.19	0.02
2032	1.4	1.8	3.2	5.81	18.7	13.0	2.2		3.4	0.07		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	Q3E	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	20.8	21.5	80.1	30.2	28.5	27.7	27.7	114.1
Cash flow (\$mm) (75%)	14.1	14.1	16.1	16.4	60.7	23.8	22.5	21.6	21.7	89.6
Per unit	0.30	0.30	0.35	0.35	1.30	0.51	0.48	0.46	0.47	1.92
Tax credit (\$mm)	0.5	1.4	1.4	1.4	4.7					-
Per unit	0.01	0.03	0.03	0.03	0.10					-
Distributable Income (\$mm)	3.5	9.0	12.2	11.9	36.7	17.7	16.7	16.0	16.1	66.4
Per unit	0.08	0.19	0.26	0.26	0.79	0.38	0.36	0.34	0.34	1.42
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	12.3	11.9	12.3	12.3	49.0
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	11.6	11.2	11.6	11.6	45.9
Natural Gas (mmcf)	124.7	125.1	130.4	125.6	126.5	125.6	125.6	125.6	125.6	125.6
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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Total gas & oil (bcf)	11.6	11.3	12.2	11.7	46.8	11.7	11.3	11.7	11.7	46.5
Price										
Natural gas (\$/mmbtu) (Henry Hub lagged two months)										
Henry Hub (\$/mmbtu)	2.34	2.92	3.23	3.59	3.02	4.27	4.18	3.92	3.93	4.08
Differential (%)	14	31	32	25	29	25	25	25	25	25
Total	2.01	2.02	2.33	2.69	2.16	3.20	3.13	2.94	2.95	3.06
Natural gas (\$/mcf)	2.20	2.18	2.26	2.87	2.26	3.42	3.34	3.14	3.15	3.26
Oil (\$/bbl) (WTI Cushing lagged two months)										
WTI Cushing	19.56	23.80	26.49	28.96	24.70	26.49	25.91	25.09	24.48	25.49
SJT	15.78	19.14	22.49	24.96	20.86	22.49	21.91	21.09	20.48	21.49
Total gas & oil (\$/mcf)	2.20	2.19	2.28	2.44	2.28	3.43	3.35	3.15	3.15	3.27
Revenue (\$mm)										
Natural Gas	25.2	24.2	27.1	28.0	104.5	39.6	37.4	36.3	36.4	149.6
Oil	0.4	0.5	0.7	0.7	2.3	0.7	0.6	0.6	0.6	2.5
Total	25.6	24.8	27.8	28.7	106.8	40.2	38.0	36.9	37.0	152.1
Cost (\$mm)										
Severance tax	2.6	2.4	2.3	2.6	9.9	4.0	3.8	3.7	3.7	15.2
Operating	4.1	3.7	4.0	4.2	16.0	4.4	4.2	4.4	4.4	17.4
Total	6.7	6.0	6.3	6.8	25.9	8.4	8.0	8.1	8.1	32.6
Cash flow (\$mm)										
Development	11.3	3.4	2.1	5.1	21.9	7.9	7.5	7.2	7.2	29.9
Net proceeds (\$mm)										
Royalty/Net proceeds	7.5	15.4	19.4	16.8	59.0	23.8	22.5	21.6	21.7	89.6
Royalty income (\$mm)										
Royalty/Net proceeds	5.6	11.5	14.5	12.6	44.3	17.9	16.9	16.2	16.3	67.2
Administration	0.4	0.5	0.7	0.2	1.8	0.2	0.2	0.2	0.2	0.8
One-time	1.7	2.0	1.6		5.3					-
Distributable income (\$mm)										
Distributable income	3.5	9.0	12.2	11.9	36.7	17.7	16.7	16.0	16.1	66.4
<i>Modeling ratios</i>										
Severance tax/revenue	10.2%	9.5%	8.4%	9.2%	9.3%	10.0%	10.0%	10.0%	10.0%	10.0%
Operating cost (\$/mcf)	0.36	0.32	0.33	0.36	0.34	0.37	0.37	0.37	0.37	0.37

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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>Jul-02</i>	<i>Aug-02</i>	<i>Sep-02</i>	<i>Oct-02</i>	<i>Nov-02</i>	<i>Dec-02</i>	<i>Jan-03</i>
Distribution (\$/unit)							
Declared	0.08	0.08	0.10	0.12	0.04		
Projected						0.10	0.11
Volume							
Natural gas (mmbtu)	3.92	3.77	3.95	4.49	3.77	4.07	3.94
Heat Content(btu/cf)	1,081	807	1,068	1,084	1,064	1,054	1,054
Natural gas (bcf)	3.63	4.67	3.70	4.15	3.55	3.86	3.74
Natural Gas (mmcf)	117	156	119	134	118	125	125
Days	31	30	31	31	30	31	30
Price							
Natural gas industry quotes lagged two months (\$/mmbtu)							
Henry Hub Daily/Futures	3.49	3.22	2.99	3.09	3.55	4.12	4.03
San Juan Monthly Index	2.39	2.24	2.62	2.50	2.42	2.52	3.24
SJT/Henry Hub	0.65	0.75	0.78	0.74	0.55	0.62	0.70
SJT/San Juan Index	0.95	1.08	0.89	0.91	0.81	1.01	0.87
SJT (\$/mmbtu)	2.27	2.41	2.32	2.28	1.95	2.55	2.82
SJT (\$/mcf)	2.45	1.95	2.47	2.47	2.07	2.68	2.98
Revenue (\$mm)							
Natural Gas	8.9	9.1	9.1	10.2	7.3	10.4	11.1
Other	(0.0)	(0.2)	0.0	(0.1)	(0.0)	(0.0)	(0.0)
Cost (\$mm)							
Severance tax	0.6	0.8	0.9	0.9	0.7	1.0	1.1
Operating	1.1	1.6	1.3	1.1	1.8	1.3	1.3
Total	1.8	2.4	2.2	2.0	2.5	2.3	2.4
Cash flow (\$mm)	7.1	6.5	6.9	8.2	4.8	8.0	8.7
Development	0.7	1.0	0.5	1.0	2.1	2.0	2.0
Net proceeds (\$mm)	6.4	5.5	6.5	7.2	2.7	6.0	6.7
Royalty income (\$mm)	4.8	4.1	4.9	5.4	2.0	4.5	5.0
Royalty/Net proceeds	75%	75%	75%	75%	75%	75%	75%
One time	1.0	0.6					
Distributable income (\$mm)	3.8	3.5	4.9	5.4	2.0	4.5	5.0
Units (millions)	46.6	46.6	46.6	46.6	46.6	46.6	46.6
Distribution (\$/unit)	0.08	0.08	0.10	0.12	0.04	0.10	0.11
<i>Latest Twelve Month Average</i>							
Heat Content(btu/cf)	1,091	1,059	1,059	1,057	1,054		
Natural Gas (mmcf)	121	124	123	125	125		
SJT/Henry Hub	0.73	0.73	0.73	0.74	0.71		
SJT/San Juan Index	0.85	0.87	0.87	0.87	0.86		
Other revenue	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)		
Operating	1.3	1.3	1.3	1.3	1.3		
Development	2.7	2.5	2.4	2.2	2.0		
Severance tax/revenue	10.2%	10.0%	9.8%	9.7%	9.6%		

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