

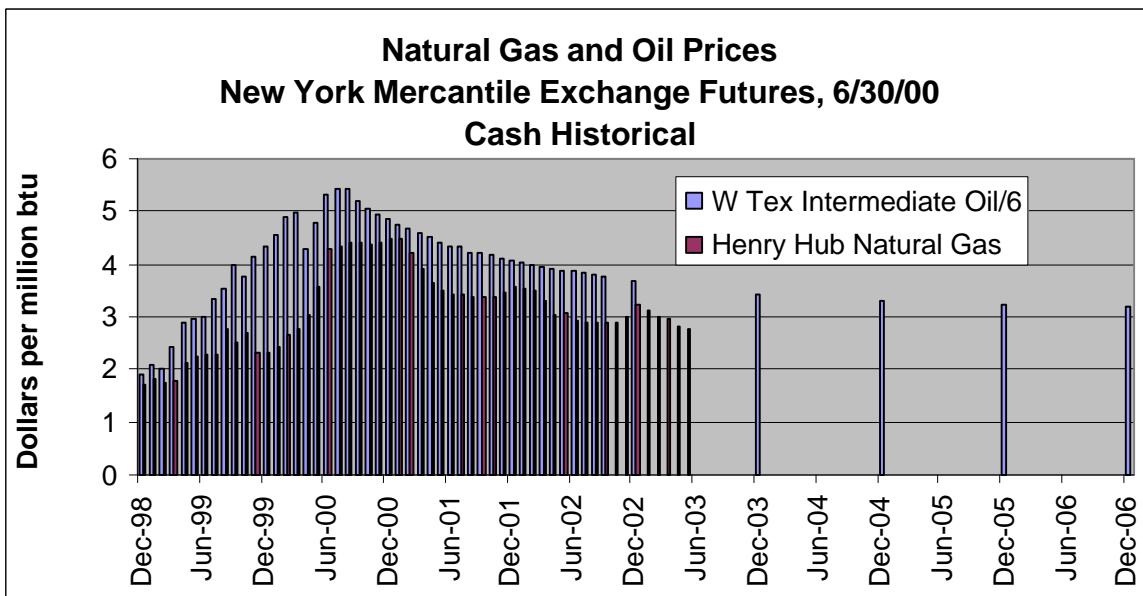
## Meter Reader

A Weekly Analysis

July 3, 2000

### Price Ceiling Moves Up

An upward shift in the forward price curve for oil of seven percent in the past three weeks points to further appreciation potential for natural gas (see graphic). Currently among investments concentrated on long-life natural gas with low financial and management risk, **Cross Timbers Royalty Trust** ranks most undervalued followed by **San Juan Basin Royalty Trust, Hugoton Royalty Trust** and **Dorchester Hugoton, Ltd.** (see table). While there is validity to the view that oil price and gas price have decoupled, the reality depends on the circumstances. Decoupled from residual fuel oil price (cheap oil), natural gas price in North America now may be loosely coupled with heating oil price (more expensive refined oil also used to fuel turbines). Moreover, given a few years, new liquefied natural gas projects could be implemented to deliver natural gas at the price of crude oil. As a result, natural gas price could move above oil in the next year or two, but probably not in the next four to six years when there would be more time for the market to adjust.



		Price (\$/unit)				Net Asset	
		30-Jun 2000	Units (mm)	Cap (\$mm)	Debt (\$mm)	Value (\$/unit)	McDep Ratio
	Symbol						
Dorchester Hugoton, Ltd.	DHULZ	14.13	10.7	152	-	14.00	1.01
Hugoton RT (42.5%)	HGT	12.44	17.0	211	-	14.00	0.89
San Juan Basin Royalty Trust	SJT	10.00	46.6	466	-	12.90	0.78
Cross Timbers Royalty Trust	CRT	13.81	6.0	83	-	18.50	0.75

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Yet oil price has the potential to move higher in 2002 and beyond if current price merely proves to be sticky. Meanwhile, the potential for supply disruption has moved to a high level again as the supply/demand balance is at its tightest in 30 years. Imagine if Saddam threatens to stop producing oil as analyst Phil Verleger suggests. Wouldn't it be ironic if Bush the younger were to have the problem of dealing with the same old tyrant, newly empowered with rebuilt weapons of destruction?

Taking the current futures market as our indicator of where we are going, our calculations for the next four quarters point to Dynamic Distribution Yields as high as 17% in cash (see table).

		Price (\$/unit)	Distribution		Distribution Yield	
			30-Jun	Taxable	(\$/ unit)	
					Cash	Equivalent
Dorchester Hugoton, Ltd.	DHULZ	14.13	1.42	1.97	10.0	13.9
Hugoton RT (42.5%)	HGT	12.44	1.93	2.29	15.5	18.4
San Juan Basin Royalty Trust	SJT	10.00	1.66	2.34	16.6	23.4
Cross Timbers Royalty Trust	CRT	13.81	2.42	3.11	17.5	22.5

Kurt H. Wulff, CFA

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**Table CRT-1**  
**Cross Timbers Royalty Trust**  
**Present Value**

Volume Decline (%/yr):	9	Price Escalation post 2007 (%/yr):	2.8
Volume Enhancement (%/yr):	7	Discount Rate (%/yr):	7.4
		U.S. TIPS Inflation (%/yr):	2.0
		U.S. 10 Year Yield (%/yr):	6.0

Year	Natural Gas Volume			Price (\$/mcf)	Revenue (\$mm)	Oil Net (\$mm)	Oil Distribution (\$mm) (\$/unit)		Tax Credit (\$/unit)	Disc Factor	Present Value (\$/unit)
	Basic (bcf)	Enhanced (bcf)	Total (bcf)				Distribution (\$mm)	(\$/unit)			
<b>Total 2000 through 2029</b>											
	33	27	60	3.56	212	10	222	37.03	0.46	0.49	18.50
1999	3.3		3.3	1.99	6.5	0.0	6.6	1.09	0.16		
2000	3.0	0.0	3.0	3.35	10.1	1.9	12.1	2.01	0.15	0.96	2.09
2001	2.7	0.3	3.0	3.98	11.8	2.0	13.8	2.30	0.15	0.90	2.20
2002	2.5	0.4	2.9	3.28	9.6	1.2	10.8	1.80	0.15	0.84	1.63
2003	2.3	0.6	2.9	2.89	8.3	0.9	9.3	1.55		0.78	1.20
2004	2.1	0.8	2.8	3.12	8.9	0.8	9.6	1.61		0.72	1.16
2005	1.9	0.9	2.8	3.05	8.5	0.6	9.2	1.53		0.67	1.03
2006	1.8	1.0	2.8	2.98	8.2	0.5	8.7	1.45		0.63	0.91
2007	1.6	1.1	2.7	2.94	8.0	0.4	8.4	1.40		0.58	0.82
2008	1.5	1.2	2.7	3.02	8.1	0.4	8.5	1.41		0.54	0.77
2009	1.4	1.3	2.6	3.10	8.2	0.3	8.5	1.41		0.51	0.72
2010	1.3	1.3	2.6	3.19	8.3	0.3	8.5	1.42		0.47	0.67
2011	1.1	1.4	2.6	3.27	8.4	0.2	8.6	1.43		0.44	0.63
2012	1.1	1.5	2.5	3.36	8.4	0.2	8.6	1.43		0.41	0.59
2013	1.0	1.5	2.5	3.46	8.5	0.1	8.6	1.44		0.38	0.55
2014	0.9	1.5	2.4	3.55	8.6	0.1	8.7	1.44		0.35	0.51
2015	0.8	1.4	2.2	3.65	8.1		8.1	1.35		0.33	0.44
2016	0.7	1.3	2.0	3.75	7.6		7.6	1.26		0.31	0.39
2017	0.7	1.2	1.8	3.86	7.1		7.1	1.18		0.29	0.34
2018	0.6	1.1	1.7	3.96	6.7		6.7	1.11		0.27	0.30
2019	0.6	1.0	1.5	4.07	6.3		6.3	1.04		0.25	0.26
2020	0.5	0.9	1.4	4.18	5.9		5.9	0.98		0.23	0.23
2021	0.5	0.8	1.3	4.30	5.5		5.5	0.92		0.21	0.20
2022	0.4	0.7	1.2	4.42	5.2		5.2	0.86		0.20	0.17
2023	0.4	0.7	1.1	4.54	4.8		4.8	0.81		0.19	0.15
2024	0.4	0.6	1.0	4.66	4.5		4.5	0.76		0.17	0.13
2025	0.3	0.5	0.9	4.79	4.3		4.3	0.71		0.16	0.11
2026	0.3	0.5	0.8	4.93	4.0		4.0	0.67		0.15	0.10
2027	0.3	0.5	0.7	5.06	3.7		3.7	0.62		0.14	0.09
2028	0.3	0.4	0.7	5.20	3.5		3.5	0.59		0.13	0.08
2029	0.2	0.4	0.6	5.34	3.3		3.3	0.55		0.12	0.07

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A Weekly Analysis

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Table CRT-2  
Cross Timbers Royalty Trust  
Distributable Income Model

	Q2 6/30/99	Q3 9/30/99	Q4 12/31/99	Year 1999	Q1 3/31/00	Q2E 6/30/00	Q3E 9/30/00	Q4E 12/31/00	Year 2000E	Q1E 3/31/01	Q2E 6/30/01
<b>Highlights</b>											
Tax credit (\$mm)											
Per unit	0.04	0.04	0.03	0.16	0.03	0.04	0.04	0.04	0.15	0.04	0.04
Distributable Income (\$mm)	1.17	1.66	2.28	6.55	2.30	2.42	3.42	3.92	12.06	3.78	3.42
Per unit	0.20	0.28	0.38	1.09	0.38	0.40	0.57	0.65	2.01	0.63	0.57
Units (millions)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
<b>Volume</b>											
Natural Gas (bcf)	0.82	0.94	0.97	3.64	0.80	0.86	0.86	0.86	3.36	0.85	0.82
Natural Gas (mmcfd)	9.1	10.3	10.6	10.0	8.7	9.5	9.4	9.3	9.2	9.2	9.1
Days	90	91	92	365	92	90	91	92	365	92	90
Oil (mb)	87	79	94	349	88	85	85	83	342	82	78
Oil (mbd)	0.98	0.86	1.03	0.96	0.96	0.9	0.9	0.9	0.93	0.9	0.9
Days	89	92	92	365	92	90	92	92	366	92	90
Total (bcf)	1.34	1.41	1.54	5.73	1.33	1.36	1.37	1.36	5.41	1.34	1.29
<b>Price</b>											
Natural Gas (HH lagged three months)											
Henry Hub (\$/mmbtu)	1.79	2.22	2.52	2.12	2.45	2.62	3.63	4.38	3.27	4.43	4.20
CRT (\$/mcf)	1.79	2.02	2.39	1.99	2.72	2.62	3.63	4.38	3.35	4.43	4.20
Oil (\$/bbl) (WTI lagged two months)											
WTI Cushing	14.67	18.57	22.59	17.02	26.07	28.33	31.05	31.32	29.19	29.05	27.59
CRT	12.28	16.34	20.21	14.89	24.20	26.33	29.05	29.32	27.18	27.05	25.59
Total (\$/mcf)	1.89	2.26	2.75	2.17	3.25	3.28	4.08	4.57	3.80	4.46	4.22
<b>Revenue (\$mm)</b>											
Natural Gas	1.46	1.89	2.33	7.26	2.17	2.24	3.11	3.75	11.27	3.76	3.45
Oil	1.07	1.30	1.91	5.19	2.14	2.23	2.47	2.44	9.29	2.21	2.00
Total	2.53	3.19	4.23	12.45	4.31	4.48	5.58	6.20	20.55	5.96	5.45
<b>Cost (\$mm)</b>											
Tax, transport & other	0.40	0.48	0.50	1.61	0.58	0.63	0.78	0.87	2.85	0.83	0.76
Production	0.63	0.60	0.60	2.39	0.59	0.59	0.59	0.58	2.37	0.57	0.55
Total	1.02	1.08	1.09	4.00	1.17	1.22	1.38	1.45	5.22	1.41	1.31
<b>Cash flow (\$mm)</b>											
Development	0.08	0.18	0.12	0.74	0.21	0.21	0.21	0.21	0.86	0.21	0.21
Excess	(0.06)	(0.07)		(0.43)					-		
Recovery of excess	0.14	0.10	0.40	0.63	0.24	0.15			0.39		
<b>Net proceeds (\$mm)</b>	<b>1.35</b>	<b>1.91</b>	<b>2.62</b>	<b>7.52</b>	<b>2.68</b>	<b>2.89</b>	<b>3.99</b>	<b>4.53</b>	<b>14.09</b>	<b>4.34</b>	<b>3.93</b>
<b>Royalty income (\$mm)</b>											
Royalty/Net proceeds	90%	89%	88%	89%	88%	87%	87%	87%	87%	88%	88%
Administration	0.04	0.04	0.02	0.14	0.05	0.08	0.04	0.04	0.21	0.04	0.04
<b>Distributable income (\$mm)</b>	<b>1.17</b>	<b>1.66</b>	<b>2.28</b>	<b>6.55</b>	<b>2.30</b>	<b>2.42</b>	<b>3.42</b>	<b>3.92</b>	<b>12.06</b>	<b>3.78</b>	<b>3.42</b>
<b>Modeling ratios</b>											
Tax and other/revenue	0.16	0.15	0.12	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14
Production exp (\$/bbl)	7.20	7.56	6.31	6.86	6.71	7.00	7.00	7.00	6.92	7.00	7.00
<b>Accounting items</b>											
Interest on excess costs	0.02	0.01	0.01	0.06							
Cumulative excess costs	0.77	0.76	0.37	0.37	0.15						

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**Table DHULZ-1**  
**Dorchester Hugoton, Ltd.**  
**Present Value**

Volume Decline (%/yr):	11	Price Escalation Post 2006 (%/yr):	2.8
Volume Enhancement (%/yr):	8	Discount rate (%/yr):	7.4
Capex/Cash Flow (%):	13	U.S. TIPS Inflation (%/yr):	2.0
Variable Cost (%):	15	U.S. 10 Year Yield (%/yr):	6.0

Year	Volume		Total (bcf)	Price (\$/mcf)	Revenue (\$mm)	Fixed Cost (\$mm)	Var Cost (\$mm)	Cap Ex (\$mm)	Free Cash Flow (\$mm) (\$/unit)	Disc Factor	Present Value (\$/unit)
	Basic (bcf)	Enhanced (bcf)									
<b>Total 2000 through 2029</b>											
	61	56	117	3.80	445	69	67	26	284	26.14	0.54
1999	6.9		6.9	2.30	15.8	2.1	2.4	0.4	10.9	1.01	
					Other assets, net				10.4	0.96	1.00
2000	6.4	0.3	6.7	3.76	25.0	2.3	3.8	0.5	18.5	1.71	0.96
2001	5.7	0.8	6.5	3.64	23.5	2.3	3.5	2.3	15.4	1.42	0.90
2002	5.1	1.2	6.3	3.09	19.6	2.3	2.9	1.9	12.5	1.15	0.84
2003	4.6	1.6	6.2	2.74	17.0	2.3	2.6	1.6	10.6	0.97	0.78
2004	4.2	1.9	6.1	3.32	20.1	2.3	3.0	1.9	12.9	1.19	0.72
2005	3.7	2.2	5.9	3.25	19.2	2.3	2.9	1.8	12.2	1.13	0.67
2006	3.4	2.4	5.8	3.20	18.5	2.3	2.8	1.7	11.7	1.08	0.63
2007	3.0	2.6	5.7	3.29	18.6	2.3	2.8	1.8	11.8	1.08	0.58
2008	2.7	2.8	5.5	3.38	18.6	2.3	2.8	1.8	11.8	1.09	0.54
2009	2.5	2.9	5.4	3.47	18.7	2.3	2.8	1.8	11.8	1.09	0.51
2010	2.2	3.0	5.2	3.57	18.7	2.3	2.8	1.8	11.8	1.09	0.47
2011	2.0	3.1	5.1	3.67	18.8	2.3	2.8	1.8	11.9	1.09	0.44
2012	1.8	3.2	5.0	3.77	18.8	2.3	2.8	1.8	11.9	1.10	0.41
2013	1.6	3.2	4.9	3.87	18.8	2.3	2.8	1.8	11.9	1.10	0.38
2014	1.5	3.3	4.7	3.98	18.8	2.3	2.8	1.8	11.9	1.10	0.35
2015	1.3	2.9	4.2	4.09	17.3	2.3	2.6		12.4	1.14	0.33
2016	1.2	2.6	3.8	4.20	15.8	2.3	2.4		11.2	1.03	0.31
2017	1.1	2.3	3.4	4.32	14.5	2.3	2.2		10.1	0.93	0.29
2018	1.0	2.0	3.0	4.44	13.4	2.3	2.0		9.1	0.83	0.27
2019	0.9	1.8	2.7	4.56	12.3	2.3	1.8		8.1	0.75	0.25
2020	0.8	1.6	2.4	4.68	11.3	2.3	1.7		7.3	0.67	0.23
2021	0.7	1.4	2.1	4.81	10.3	2.3	1.6		6.5	0.60	0.21
2022	0.6	1.3	1.9	4.95	9.5	2.3	1.4		5.8	0.53	0.20
2023	0.6	1.1	1.7	5.08	8.7	2.3	1.3		5.1	0.47	0.19
2024	0.5	1.0	1.5	5.22	8.0	2.3	1.2		4.5	0.42	0.17
2025	0.5	0.9	1.4	5.37	7.4	2.3	1.1		4.0	0.36	0.16
2026	0.4	0.8	1.2	5.52	6.8	2.3	1.0		3.4	0.32	0.15
2027	0.4	0.7	1.1	5.67	6.2	2.3	0.9		3.0	0.27	0.14
2028	0.3	0.6	1.0	5.82	5.7	2.3	0.9		2.5	0.23	0.13
2029	0.3	0.6	0.9	5.99	5.2	2.3	0.8		2.1	0.20	0.12

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**Table DHULZ-2**  
**Dorchester Hugoton, Ltd.**  
**Income Model**

	<i>Q2</i> 6/30/99	<i>Q3</i> 9/30/99	<i>Q4</i> 12/31/99	<i>Year</i> 1999	<i>Q1</i> 3/31/00	<i>Q2E</i> 6/30/00	<i>Q3E</i> 9/30/00	<i>Q4E</i> 12/31/00	<i>Year</i> 2000E	<i>Q1E</i> 3/31/01	<i>Q2E</i> 6/30/01
<b>Highlights</b>											
Revenue (\$mm)	3.51	4.34	4.39	15.3	4.16	5.82	7.01	7.01	24.0	6.45	5.42
Cash flow (\$mm)	2.35	3.25	3.25	10.9	3.09	4.57	5.67	5.67	19.0	5.13	4.20
Per unit	0.22	0.30	0.30	1.01	0.28	0.42	0.52	0.52	1.75	0.47	0.39
Earnings (\$mm)	1.89	2.77	2.78	9.0	2.64	4.11	5.20	5.20	17.1	4.69	3.75
Per unit	0.17	0.26	0.26	0.83	0.24	0.38	0.48	0.48	1.58	0.43	0.35
Distribution (\$mm)	1.93	1.93	1.93	7.7	3.01	1.93	4.58	4.58	14.1	4.12	3.30
Per unit	0.18	0.18	0.18	0.72	0.28	0.18	0.43	0.43	1.31	0.38	0.31
Units (millions)	10.74	10.74	10.74	10.7	10.74	10.74	10.74	10.74	10.7	10.74	10.74
<b>Volume</b>											
Natural gas (bcf)											
Oklahoma	1.33	1.40	1.43	5.6	1.39	1.37	1.37	1.36	5.5	1.31	1.32
Kansas	0.34	0.33	0.31	1.3	0.29	0.30	0.30	0.29	1.2	0.28	0.29
Total	1.67	1.72	1.74	6.9	1.68	1.67	1.67	1.65	6.7	1.60	1.60
Natural Gas (mmcfd)	18.4	18.7	18.9	18.9	18.5	18.3	18.1	17.9	18.2	17.8	17.6
Days	91	92	92	365	91	91	92	92	366	90	91
<b>Price</b>											
Natural gas											
Henry Hub (\$/mmbtu)	2.22	2.52	2.45	2.24	2.62	3.63	4.38	4.43	3.77	4.20	3.52
Oklahoma (\$/mcf)	2.15	2.60	2.60	2.28	2.53	3.63	4.38	4.43	3.74	4.20	3.52
Kansas (\$/mcf)	2.26	2.68	2.70	2.36	2.72	3.70	4.45	4.50	3.85	4.27	3.59
Total (\$/mcf)	2.17	2.62	2.62	2.30	2.57	3.64	4.39	4.44	3.76	4.21	3.53
<b>Revenue (\$mm)</b>											
Natural Gas											
Oklahoma	2.87	3.63	3.73	12.7	3.53	4.97	6.00	6.01	20.5	5.52	4.63
Kansas	0.76	0.88	0.83	3.1	0.79	1.10	1.32	1.32	4.5	1.22	1.02
Other	0.05	0.05	0.05	0.2	0.05	0.05	0.05	0.05	0.2	0.05	0.05
Production payment (ORRI)	(0.17)	(0.22)	(0.23)	(0.8)	(0.21)	(0.30)	(0.37)	(0.37)	(1.2)	(0.34)	(0.28)
Total	3.51	4.34	4.39	15.3	4.16	5.82	7.01	7.01	24.0	6.45	5.42
<b>Cost (\$mm)</b>											
Operating	0.96	0.90	0.95	3.6	0.92	1.01	1.09	1.09	4.1	1.07	1.00
General and administrative	0.13	0.14	0.16	0.6	0.14	0.16	0.17	0.17	0.6	0.17	0.16
Management	0.12	0.13	0.13	0.5	0.13	0.15	0.16	0.16	0.6	0.15	0.14
Other	(0.05)	(0.08)	(0.10)	(0.3)	(0.11)	(0.08)	(0.08)	(0.08)	(0.3)	(0.08)	(0.08)
Total	1.16	1.09	1.13	4.4	1.07	1.24	1.34	1.35	5.0	1.31	1.23
<b>Cash flow (\$mm)</b>											
Depletion, deprec. & amort.	0.46	0.48	0.48	1.9	0.45	0.47	0.47	0.46	1.8	0.45	0.45
<b>Earnings (\$mm)</b>											
Capital expenditures (\$mm)	0.05	0.21	0.10	0.4	0.04	0.15	0.15	0.15	0.5	0.15	0.15
<i>Cost ratios</i>											
Prod pay/revenue	4.5%	4.9%	5.0%	4.7%	4.8%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Operating cost (\$/mcf)	0.57	0.52	0.54	0.52	0.54	0.61	0.65	0.66	0.62	0.67	0.63
Depletion (\$/mcf)	0.28	0.28	0.27	0.28	0.27	0.28	0.28	0.28	0.28	0.28	0.28

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# Meter Reader

A Weekly Analysis

July 3, 2000

**Table HGT-1**  
**Hugoton Royalty Trust**  
**Present Value**

Volume Decline (%/yr):	11	Price Escalation Post 2006 (%/yr):	2.8
Volume Enhancement (%/yr):	9	Discount rate (%/yr):	7.4
Capex/Cash Flow (%):	24	U.S. TIPS Inflation (%/yr):	2.0
Variable Cost (%):	14	U.S. 10 Year Yield (%/yr):	6.0

Year	Basic (bcf)	Volume Enhanced (bcf)	Total (bcf)	Price (\$/mcf)	Revenue (\$mm)	Fixed Cost (\$mm)	Var Cost (\$mm)	Cap Ex (\$mm)	Distribution (\$mm)	Tax Credit (\$/unit)	Disc Factor	Present Value (\$/unit)
Total 2000 through 2029												
	279	308	587	3.50	2053	385	287	221	1160	29.00	0.06	0.48
1999	29.2		29.2	2.16	63.1	12.1	8.8	9.1	33.1	0.83	0.02	
2000	29.2	1.4	30.6	3.25	99.6	12.8	13.9	10.9	61.9	1.55	0.02	0.96
2001	26.0	4.0	30.0	3.63	108.8	12.8	15.2	19.4	61.4	1.53	0.02	0.90
2002	23.4	6.3	29.7	3.02	89.6	12.8	12.5	15.4	48.8	1.22	0.02	0.84
2003	21.1	8.3	29.4	2.68	78.6	12.8	11.0	13.1	41.6	1.04		0.78
2004	19.0	10.0	29.0	3.02	87.5	12.8	12.3	15.0	47.5	1.19		0.72
2005	17.1	11.5	28.6	2.95	84.5	12.8	11.8	14.4	45.5	1.14		0.67
2006	15.4	12.8	28.2	2.91	82.2	12.8	11.5	13.9	44.0	1.10		0.63
2007	13.9	13.9	27.8	2.99	83.3	12.8	11.7	14.1	44.7	1.12		0.58
2008	12.5	14.9	27.4	3.07	84.3	12.8	11.8	14.3	45.4	1.13		0.54
2009	11.3	15.7	27.0	3.16	85.4	12.8	11.9	14.5	46.0	1.15		0.51
2010	10.2	16.4	26.6	3.25	86.4	12.8	12.1	14.7	46.7	1.17		0.47
2011	9.2	17.0	26.2	3.34	87.3	12.8	12.2	14.9	47.3	1.18		0.44
2012	8.2	17.5	25.8	3.43	88.3	12.8	12.4	15.1	48.0	1.20		0.41
2013	7.4	17.9	25.3	3.52	89.2	12.8	12.5	15.3	48.6	1.21		0.38
2014	6.7	18.2	24.9	3.62	90.2	12.8	12.6	15.5	49.2	1.23		0.35
2015	6.0	16.2	22.2	3.72	82.7	12.8	11.6		58.3	1.46		0.33
2016	5.4	14.4	19.9	3.82	75.9	12.8	10.6		52.5	1.31		0.31
2017	4.9	12.8	17.7	3.93	69.7	12.8	9.8		47.1	1.18		0.29
2018	4.4	11.4	15.8	4.04	63.9	12.8	8.9		42.1	1.05		0.27
2019	4.0	10.2	14.1	4.15	58.7	12.8	8.2		37.6	0.94		0.25
2020	3.6	9.1	12.6	4.26	53.8	12.8	7.5		33.5	0.84		0.23
2021	3.2	8.1	11.3	4.38	49.4	12.8	6.9		29.7	0.74		0.21
2022	2.9	7.2	10.1	4.50	45.3	12.8	6.3		26.2	0.65		0.20
2023	2.6	6.4	9.0	4.62	41.6	12.8	5.8		23.0	0.57		0.19
2024	2.4	5.7	8.0	4.75	38.2	12.8	5.3		20.0	0.50		0.17
2025	2.1	5.1	7.2	4.88	35.1	12.8	4.9		17.3	0.43		0.16
2026	1.9	4.5	6.4	5.02	32.2	12.8	4.5		14.8	0.37		0.15
2027	1.7	4.0	5.7	5.16	29.5	12.8	4.1		12.6	0.31		0.14
2028	1.6	3.6	5.1	5.30	27.1	12.8	3.8		10.5	0.26		0.13
2029	1.4	3.2	4.6	5.44	24.9	12.8	3.5		8.6	0.21		0.12

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# Meter Reader

A Weekly Analysis

July 3, 2000

**Table HGT-2**  
**Hugoton Royalty Trust**  
**Distributable Income Model**

	Q2 6/30/99	Q3 9/30/99	Q4 12/31/99	Year 1999	Q1 3/31/00	Q2E 6/30/00	Q3E 9/30/00	Q4E 12/31/00	Year 2000E	Q1E 3/31/01	Q2E 6/30/01
<b>Highlights</b>											
Revenue (\$mm) (80%)	16.6	16.8	20.4	63.1	20.0	19.6	28.9	30.9	99.6	31.0	26.0
Cash flow (\$mm) (80%)	11.1	11.5	14.4	42.2	14.1	13.7	21.7	23.4	72.8	23.5	19.3
Per unit	0.28	0.29	0.36	1.06	0.35	0.34	0.54	0.59	1.82	0.59	0.48
Tax credit (\$mm)	0.2	0.2	0.2	0.8	0.2	0.2	0.2	0.2	0.8	0.2	0.2
Per unit	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.01
Distributable Income (\$mm)	8.8	8.5	12.2	33.1	10.9	11.3	19.0	20.7	61.9	20.8	16.6
Per unit	0.22	0.21	0.30	0.83	0.27	0.28	0.47	0.52	1.55	0.52	0.42
Units (millions)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
<b>Volume</b>											
Natural Gas (bcf)	9.6	9.5	9.6	34.2	9.7	8.6	8.8	8.7	35.9	8.7	8.3
Natural Gas (mmcfd)	107.6	103.4	104.2	102.1	105.5	96.0	96.0	95.0	98.4	94.1	93.1
Days	89	92	92	335	92	90	92	92	366	92	89
Oil (mb)	115	104	103	388	100	97	98	97	393	96	92
Oil (mbd)	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
Days	96	92	92	342	92	90	92	92	366	92	89
Total (bcf)	10.3	10.1	10.2	36.5	10.3	9.2	9.4	9.3	38.3	9.2	8.8
<b>Price</b>											
Natural Gas (HH lagged two months)											
Henry Hub (\$/mmbtu)	1.89	2.27	2.66	2.18	2.35	2.82	4.06	4.39	3.41	4.46	3.93
HGT (\$/mcft)	2.00	2.01	2.42	2.12	2.32	2.54	3.76	4.09	3.16	4.16	3.63
Oil (\$/bbl) (WTI Cushing lagged two months)											
WTI Cushing	14.67	18.57	22.59	17.39	26.07	28.33	31.05	30.73	29.04	29.05	27.59
HGT	13.64	18.18	21.72	16.53	25.19	27.33	30.05	29.73	28.06	28.05	26.59
Total (\$/mcft)	2.02	2.07	2.49	2.16	2.43	2.66	3.84	4.15	3.25	4.19	3.68
<b>Revenue (\$mm)</b>											
Natural Gas	19.1	19.1	23.2	72.5	22.5	21.9	33.2	35.8	113.4	36.0	30.1
Oil	1.6	1.9	2.2	6.4	2.5	2.7	3.0	2.9	11.0	2.7	2.5
Total	20.7	21.0	25.4	78.9	25.0	24.6	36.2	38.7	124.5	38.7	32.5
<b>Cost (\$mm)</b>											
Tax, transport & other	2.1	2.1	2.6	8.3	2.4	2.5	3.6	3.9	12.4	3.9	3.3
Production	2.9	2.8	3.0	11.0	3.3	3.2	3.7	3.8	14.0	3.8	3.4
Overhead	1.7	1.8	1.7	6.9	1.7	1.8	1.8	1.8	7.1	1.8	1.7
Total	6.8	6.6	7.4	26.2	7.4	7.5	9.1	9.4	33.4	9.4	8.4
<b>Cash flow (\$mm)</b>											
Development	2.8	3.7	2.8	11.3	3.9	3.3	3.3	3.3	13.6	3.3	3.3
Net proceeds (\$mm)	11.1	10.7	15.2	41.4	13.7	13.8	23.8	26.0	77.4	26.1	20.9
<b>Royalty income (\$mm)</b>											
Royalty/Net proceeds	8.9	8.5	12.2	33.2	11.0	11.1	19.1	20.8	61.9	20.9	16.7
Administration	0.0	0.0	0.0	0.1	0.0	(0.2)	0.1	0.1	0.0	0.1	0.1
Distributable income (\$mm)	8.8	8.5	12.2	33.1	10.9	11.3	19.0	20.7	61.9	20.8	16.6
<i>Cost ratios</i>											
Tax and other/revenue	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Production cost (\$/mcft)	0.29	0.28	0.29	0.30	0.32	0.35	0.39	0.41	0.37	0.41	0.39
Overhead cost (\$/mcft)	0.17	0.17	0.17	0.19	0.17	0.19	0.19	0.19	0.18	0.19	0.19

Note: The trust was formed on December 1, 1998. Also there is a two month lag between actual and reported production.  
As a result, the first quarter of operations includes only the two months of December 1998 and January 1999.

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# Meter Reader

A Weekly Analysis

July 3, 2000

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

Volume Decline (%/yr):	9	Price Escalation Post 2006 (%/yr):	2.8
Volume Enhancement (%/yr):	7	Discount rate (%/yr):	7.4
Capex/Cash Flow (%):	24	U.S. TIPS Inflation (%/yr):	2.0
Variable Cost (%):	12	U.S. 10 Year Yield (%/yr):	6.0

Year	Basic (bcf)	Volume Enhanced (bcf)	Total (bcf)	Price (\$/mcf)	Revenue (\$mm)	Fixed Cost (\$mm)	Var Cost (\$mm)	Cap Ex (\$mm)	Distribution (\$mm)	Tax Credit (\$/unit)	Disc Factor	Present Value (\$/unit)
<b>Total 2000 through 2029</b>												
	309	286	594	3.37	2001	264	240	225	1275	27.35	0.48	0.46 <b>12.90</b>
1999	30.3		30.3	1.76	53.2	7.2	6.4	7.9	31.8	0.68	0.16	
2000	27.8	3.1	30.9	3.09	95.5	8.8	11.5	15.3	62.8	1.35	0.16	0.96 1.45
2001	25.3	4.3	29.6	3.45	102.0	8.8	12.2	19.4	61.5	1.32	0.16	0.90 1.33
2002	23.2	6.0	29.2	2.87	83.8	8.8	10.1	15.6	49.3	1.06	0.16	0.84 1.02
2003	21.3	7.5	28.8	2.55	73.2	8.8	8.8	13.4	42.3	0.91		0.78 0.71
2004	19.5	8.8	28.3	2.87	81.3	8.8	9.8	15.1	47.7	1.02		0.72 0.74
2005	17.9	10.0	27.9	2.80	78.3	8.8	9.4	14.4	45.7	0.98		0.67 0.66
2006	16.4	11.1	27.5	2.77	76.1	8.8	9.1	14.0	44.2	0.95		0.63 0.60
2007	15.1	12.0	27.1	2.84	77.0	8.8	9.2	14.1	44.8	0.96		0.58 0.56
2008	13.8	12.8	26.6	2.92	77.8	8.8	9.3	14.3	45.3	0.97		0.54 0.53
2009	12.7	13.5	26.2	3.00	78.7	8.8	9.4	14.5	45.9	0.99		0.51 0.50
2010	11.6	14.1	25.8	3.08	79.5	8.8	9.5	14.7	46.5	1.00		0.47 0.47
2011	10.7	14.7	25.4	3.17	80.4	8.8	9.6	14.9	47.0	1.01		0.44 0.44
2012	9.8	15.1	24.9	3.26	81.2	8.8	9.7	15.0	47.6	1.02		0.41 0.42
2013	9.0	15.5	24.5	3.35	82.0	8.8	9.8	15.2	48.1	1.03		0.38 0.39
2014	8.2	15.8	24.1	3.44	82.8	8.8	9.9	15.4	48.7	1.04		0.35 0.37
2015	7.6	14.4	22.0	3.53	77.6	8.8	9.3		59.5	1.28		0.33 0.42
2016	6.9	13.1	20.1	3.63	72.8	8.8	8.7		55.3	1.19		0.31 0.36
2017	6.4	11.9	18.3	3.73	68.3	8.8	8.2		51.3	1.10		0.29 0.31
2018	5.8	10.9	16.7	3.83	64.0	8.8	7.7		47.5	1.02		0.27 0.27
2019	5.4	9.9	15.2	3.94	60.1	8.8	7.2		44.0	0.94		0.25 0.23
2020	4.9	9.0	13.9	4.05	56.3	8.8	6.8		40.7	0.87		0.23 0.20
2021	4.5	8.2	12.7	4.16	52.8	8.8	6.3		37.7	0.81		0.21 0.17
2022	4.1	7.4	11.6	4.28	49.5	8.8	5.9		34.8	0.75		0.20 0.15
2023	3.8	6.8	10.6	4.39	46.5	8.8	5.6		32.1	0.69		0.19 0.13
2024	3.5	6.2	9.6	4.52	43.6	8.8	5.2		29.5	0.63		0.17 0.11
2025	3.2	5.6	8.8	4.64	40.9	8.8	4.9		27.1	0.58		0.16 0.09
2026	2.9	5.1	8.0	4.77	38.3	8.8	4.6		24.9	0.53		0.15 0.08
2027	2.7	4.6	7.3	4.90	35.9	8.8	4.3		22.8	0.49		0.14 0.07
2028	2.5	4.2	6.7	5.03	33.7	8.8	4.0		20.9	0.45		0.13 0.06
2029	2.3	3.8	6.1	5.17	31.6	8.8	3.8		19.0	0.41		0.12 0.05

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