



# Income and Small Cap Weekly

Analysis of Oil & Gas Stocks

January 11, 2013

## PDC Energy, Inc. (PDCE) Mancos (Niobrara) Winner

<i>Symbol</i>	PDCE	<i>Ebitda Next Twelve Months ending 12/31/13 (US\$m)</i>	163
<i>Rating</i>		<i>North American Natural Gas/Ebitda (%)</i>	27
<i>Price (\$/sh)</i>	35.80	<i>Natural Gas and Oil Production/Ebitda (%)</i>	100
<i>Pricing Date</i>	1/10/13	<i>Adjusted Reserves/Production NTM</i>	15.0
<i>Shares (mm)</i>	30	<i>EV/Ebitda</i>	11.4
<i>Market Capitalization (\$mm)</i>	1,080	<i>PV/Ebitda</i>	12.2
<i>Debt (\$mm)</i>	790	<i>Undeveloped Reserves (%)</i>	51
<i>Enterprise Value (EV) (\$mm)</i>	1,870	<i>Natural Gas and Oil Ebitda (\$/boe)</i>	17.50
<i>Present Value (PV) (\$mm)</i>	1,990	<i>Present Value Proven Reserves(\$/boe)</i>	10.60
<i>Net Present Value (\$/share)</i>	40	<i>Oil and Gas Ebitda Margin (%)</i>	49
<i>Debt/Present Value</i>	0.39	<i>Earnings Next Twelve Months (US\$/sh)</i>	0.53
<i>McDep Ratio - EV/PV</i>	0.94	<i>Price/Earnings Next Twelve Months</i>	68
<i>Dividend Yield (%/year)</i>	0.0	<i>Indicated Annual Dividend (US\$/sh)</i>	0.00
Note: Estimated cash flow and earnings tied to one-year futures prices for natural gas and oil.			
Reported results may vary widely from estimates. Estimated present value per share revised only infrequently.			
Estimated present value presumes a long-term price for oil of US\$100 a barrel and natural gas, \$6 a million btu.			

### Summary and Recommendation

**PDC Energy (PDCE)** looks like an attractive “spec” among Small Cap Independent Producers (SCIPs) on the basis of rapidly developing oil production in the Wattenberg field in Colorado from the Mancos Shale, more commonly known as the Niobrara Shale in that area. Illustrating the upside, PDCE may have more than 1800 well locations in Wattenberg worth more than \$5 billion potentially. Only a fraction of that is in our current estimate of \$2 billion of present value incorporated in Net Present Value (NPV) of \$40 a share and McDep Ratio of 0.94 (see tables [Operating and Financial Estimates](#) and [Present Value](#) on page 3). On the speculative side, value depends on oil and gas price buffeted by the pace of global demand and the temporary discounts that arise when transporter and processors can’t handle new volume as fast as producers can complete their wells. After price uncertainty, there is volume uncertainty as the new wells have had little time to prove that future production will meet expectations. While all SCIPs in our coverage face those risks, PDCE has the most financial risk because it has the highest ratio of debt to present value at 0.39 and is the smallest in market cap at little more than a billion dollars. In any case, PDCE is a fascinating story of the promise and suspense in the shale oil revolution.

### Twenty-First Century Winning of the West

A seaway that once covered New Mexico, Colorado, Utah, Wyoming and adjacent states left behind a limestone (chalk) and shale formation known by the names of Mancos, Niobrara, Cody, Steele and Baxter (see [Mancos-Niobrara, AAPG Explorer](#), August 2012). Wattenberg producers Anadarko (APC), Noble Energy (NBL) and PDCE appear to be leading the way with commercial horizontal fracks in the formation. We discussed early drilling in the related formation in the San Juan Basin by **Encana (ECA)**, WPX Energy (WPX) and **ConocoPhillips (COP)**, the working



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interest owner for the **San Juan Basin Royalty Trust (SJT)** (see *Income and Small Cap Weekly*, November 30, 2012).

## **Multiple Target Zones and Downspacing**

In the northeast Colorado Mancos, PDCE's first horizontal wells were drilled into the Niobrara B "Bench". In the past few months, successful horizontal fracks have been completed in the Codell formation, below the Niobrara (see slide Stratigraphic Column on page 4).

At the same time, PDCE has been demonstrating that drilling more wells in the same area, referred to as downspacing, can be commercial. Doubling or tripling the well count with downspacing and then adding the Codell to the Niobrara B gives PDCE the confidence to boost resource potential to 1800 locations (see slide Wattenberg Resource Potential on page 4). With no results disclosed yet, PDCE has drilled the A Bench and the C bench of the Niobrara with expectations those benches will also be productive and may add further to location count.

A year of production history supports the estimate that Niobrara wells may have a present value of \$3 million each (see slide Horizontal Production on page 5). Four months of production history for the Codell suggests present value approaching \$7 million a well under the illustrative assumptions. While many factors have to fall in place to achieve estimated present value, 1800 locations at \$3 million each multiplies to \$5.4 billion. In any case, the exercise demonstrates why oil and gas producers are excited about what can be achieved with new horizontal fracking technology.

## **Utica Well May be Company's Best Ever**

Meanwhile, back east in Ohio, PDCE announced late last year its first horizontal well in the Utica Shale. The Onega Commissioners well tested 1800 barrels daily, apparently 2-3 times a Wattenberg well. Encouraging as that may be, management still wants to know how production holds up as the months go by. A second well, the Detweiler, has been completed and is expected to be tested next month. The company thinks it has about 200 drilling locations on its 45,000 acres of leases (see slide Utica on page 5). The news trend is good so far for PDCE's Utica.

## **Small Caps Bounce in 2013**

McDep Ratios are low and most of the producers are in sound financial condition (see Tables ISC-1 through ISC-3 on pages 6 to 8). In the early days of 2013, median year-to-date returns by group are 6% for Small Cap Independent Producers, 5% for Leveraged Cash Payers and 8% for RTF Cash Payers (see Table ISC-4 on page 9).

Kurt H. Wulff, CFA



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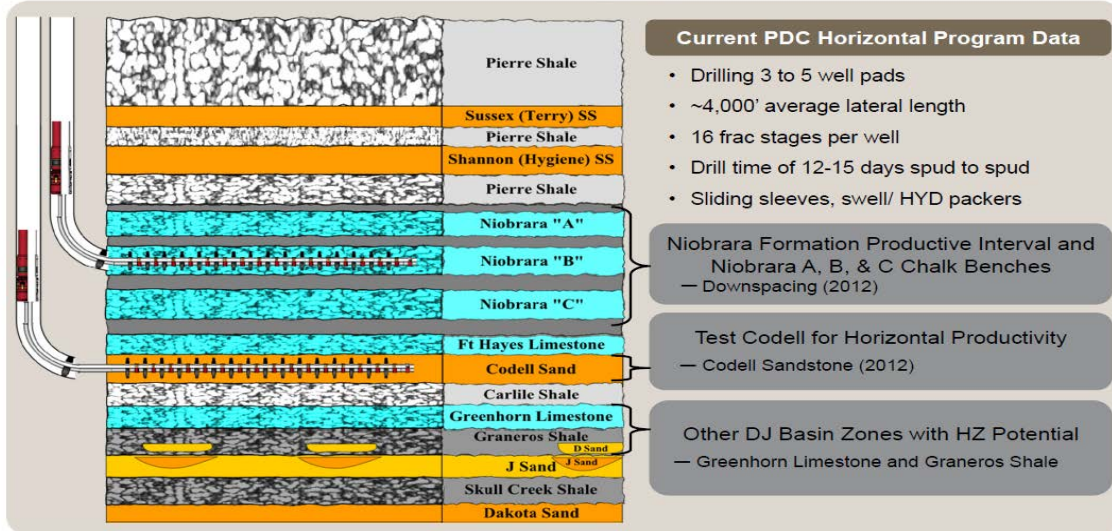
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PDC Energy, Inc.										
Next Twelve Months Operating and Financial Estimates										
	Q4		Q3	Q4E	Year	Q1E	Q2E	Q3E	Q4E	Next Twelve Months
	12/31/11	9/30/12	12/31/12	2012E	3/31/13	6/30/13	9/30/13	12/31/13	12/31/13	
<b>Volume</b>										
Natural Gas (mmcf)	87	88	90	<b>88</b>	91	93	95	97		<b>94</b>
Oil (mbd)	8.6	7.1	8.5	<b>7.8</b>	9.0	9.6	10.1	10.7		<b>9.9</b>
Total (bcfe)	12.8	12.0	12.9	<b>49.5</b>	13.1	13.7	14.3	14.8		<b>56.0</b>
Total (mbd)	23.1	21.7	23.4	<b>22.6</b>	24.2	25.1	26.0	26.9		<b>25.6</b>
<b>Price</b>										
Henry Hub (\$/mmbtu)	3.55	2.80	3.40	<b>2.79</b>	3.30	3.38	3.52	3.72		<b>3.48</b>
Differential	0.58	0.67	0.82	<b>0.69</b>	0.79	0.81	0.84	0.89		<b>0.83</b>
Company (\$/mcf)	2.97	2.13	2.59	<b>2.10</b>	2.51	2.57	2.67	2.83		<b>2.65</b>
WTI Cushing (\$/bbl)	94.06	92.22	88.18	<b>94.16</b>	93.34	94.30	94.62	94.17		<b>94.11</b>
Differential	22.67	26.55	25.39	<b>26.15</b>	26.87	27.15	27.24	27.11		<b>27.08</b>
Company	71.39	65.67	62.79	<b>68.01</b>	66.47	67.15	67.38	67.06		<b>67.03</b>
Total (\$/bbl)	37.64	30.02	32.67	<b>31.80</b>	34.17	35.10	36.05	36.95		<b>35.62</b>
<b>Revenue (\$mm)</b>										
Natural Gas	24	17	21	<b>68</b>	21	22	23	25		<b>91</b>
Oil	56	43	49	<b>195</b>	54	58	63	66		<b>241</b>
Total	80	60	70	<b>263</b>	75	80	86	91		<b>332</b>
<b>Expense</b>										
Lease operating	20	21								-
General and administrative	14	14								-
Total	34	35	36	<b>138</b>	38	41	44	47		<b>169</b>
<b>Ebitda</b>										
Exploration	2	2	2	<b>9</b>	2	2	2	2		<b>8</b>
Deprec., Deplet., & Amort.	36	33	33	<b>139</b>	33	33	33	33		<b>130</b>
Other, incl hedge	8	(13)	(10)	<b>(78)</b>	(10)	(10)	(10)	(10)		<b>(40)</b>
<b>Ebit</b>										
Interest	9	11	10	<b>42</b>	10	10	10	10		<b>40</b>
<b>Ebt</b>										
Income Tax	(3)	(3)	0	<b>5</b>	1	2	3	4		<b>9</b>
<b>Net Income (\$mm)</b>										
Per Share (\$)	(0.25)	(0.16)	0.00	<b>0.40</b>	0.04	0.10	0.16	0.22		<b>0.53</b>
<b>Shares (millions)</b>										
Ebitda Margin	57%	42%	49%	<b>48%</b>	49%	49%	49%	49%		<b>49%</b>
Tax rate	35%	35%	35%	<b>35%</b>	35%	35%	35%	35%		<b>35%</b>

PDC Energy, Inc.					
Functional Cash Flow and Present Value					
	NTM Ebitda	Adjusted	PV/	Present	
	(US\$m)	R/P	Ebitda	Value	
	(US\$m)		(US\$m)	(US\$m)	
North American Natural Gas	45	16.0	19.6	880	44%
Oil	118	13.3	9.5	1,120	56%
	163	15.0	12.3	2,000	100%
Debt (US\$m)					790
Net Present Value (US\$m)					1,210
Shares (mm)					30
Net Present Value - Standard Estimate (US\$/sh)					40
NPV Approximation by Cash Flow Multiple Depending on Reserve Life (US\$/sh)					37

## DJ Basin Stratigraphic Column Multiple Target Zones



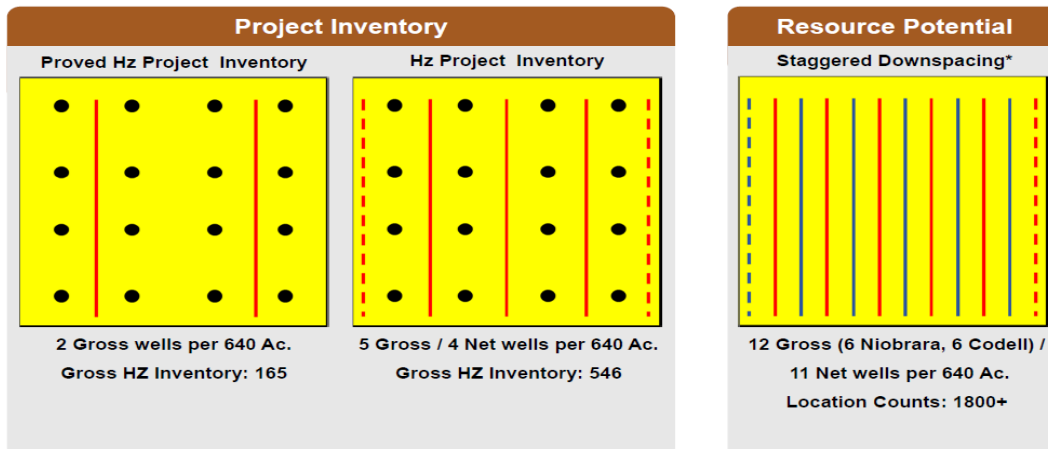
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## Wattenberg Resource Potential



■ 640 acre unit    — HZ Niobrara    — HZ Codell    ● Vertical Well

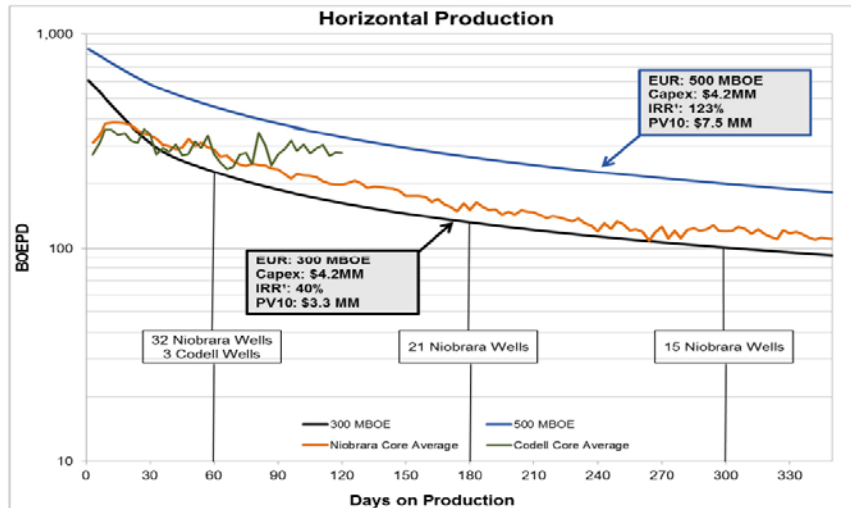


\*Vertical wells may or many not be present. Dashed lines represent lease line or 50% WI wells

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## Horizontal Production: Niobrara and Codell



(1) Flat Pricing: \$90 NYMEX Oil, \$3.50 NYMEX Gas. Excludes lease acquisition and corporate-level costs.

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## Utica Leasehold and Asset Summary



Southeast Ohio

### Activity update

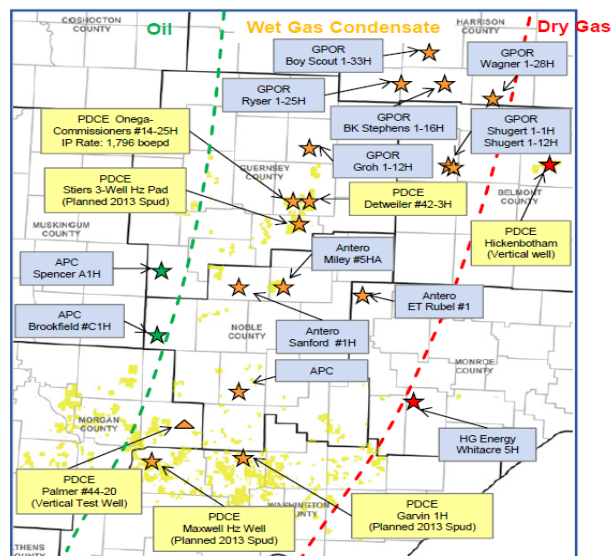
- PDC and other operators' recent reported drilling results have exceeded expectations
- Wells drilled by PDC and other operators in and around PDC's leasehold have helped to accelerate de-risking of the play
- Projected to spend \$95 million in 2012 to acquire majority of Company's Utica leasehold and to drill 3 wells
- Plan to spend \$50 million in 2013
  - Drill, complete and connect 4 to 5 horizontal wells across acreage position
  - The 2012 and 2013 drilling programs should test a substantial portion of PDC's leasehold

### Leasehold and asset summary

- ~45,000 contiguous net acres, primarily located in the gas-condensate window
- Average 95% WI, 16% royalty, ~50% HBP
- Inventory of ~200 gross horizontal drilling locations
- Large resource potential with high liquids content

### Midstream

- Plan to finalize midstream strategy and marketing arrangements by 1/31/13
- First sales from PDC horizontal wells expected in Q2 2013



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Table ISC-1											
McDep Income and Small Cap Energy Portfolio											
Debt, Segments, Cash Flow, Income and McDep Ratio											
			Price								
Symbol/Rating		(US\$/sh)	EV/	Enterprise	PV(%)		EV/	Dist.	Dist.		
B = Buy	10-Jan	Market	Value	Nat	Oil	Ebitda	NTM	Yield	McDep		
CB (see below)	2013	Cap	(\$mm)	Gas		NTM	(\$/un)	(%)	Ratio		
<b>Small Cap Independent Producers</b>											
Range Resources	RRC	B	63.83	1.34	13,640	75	25	16.9	0.16	0.3	0.93
PDC Energy	PDCE		35.80	1.73	1,870	44	56	11.4	-	-	0.94
Peyto Exploration and Developmen	PEYUF		22.85	1.23	4,010	76	24	10.6	0.73	3.2	0.87
Continental Resources (32%)	CLR	B	81.90	1.20	5,760	24	76	7.5	-	-	0.85
Halcón Resources	HK		7.72	1.56	4,090	15	85	5.9	-	-	0.84
Denbury Resources Inc.	DNR		16.80	1.49	9,790	4	96	6.0	-	-	0.69
Birchcliff Energy Ltd.	BIREF	B	7.13	1.49	1,580	63	37	9.2	-	-	0.68
Berry Petroleum Company	BRY		35.87	1.89	3,740	12	88	5.2	-	-	0.66
Whiting Petroleum Corporation	WLL	B	47.49	1.38	7,780	9	91	4.8	-	-	0.62
Cimarex Energy Company	XEC	B	61.00	1.26	6,690	41	59	5.2	0.48	0.8	0.61
<i>Total or Median</i>				<i>1.43</i>	<i>59,000</i>	<i>33</i>	<i>67</i>	<i>6.8</i>			<i>0.77</i>
<b>Leveraged Cash Payers</b>											
Linn Energy, LLC	LINE		37.34	1.67	14,490	43	57	12.6	2.90	7.8	1.13
Vanguard Natural Resources, LLC	VNR		27.84	1.62	2,390	33	67	11.7	2.40	8.6	1.07
Legacy Reserves L.P.	LGCY		25.07	1.49	1,770	25	75	9.0	2.26	9.0	0.88
Enerplus Corporation	ERF	CB	13.19	1.69	4,400	31	69	6.1	1.09	8.3	0.74
<i>Total or Median</i>				<i>1.64</i>	<i>23,100</i>	<i>32</i>	<i>68</i>	<i>10.3</i>		<i>8.5</i>	<i>0.98</i>
<b>RTF Cash Payers</b>											
Freehold Royalties Ltd.	FRHLF		23.04	TL	1,580	16	84	11.1	1.70	7.4	1.09
Dorchester Minerals, L.P.	DMLP	CB	21.78	TL	670	57	43	10.8	1.81	8.3	0.81
Enduro Royalty Trust (40%)	NDRO		16.59	BL	220	43	57	9.0	1.84	11.1	0.79
San Juan Basin Royalty Trust	SJT	CB	14.46	BL	670	100	-	9.7	1.13	7.8	0.69
Sabine Royalty Trust	SBR		44.20	TL	640	51	49	11.2	3.94	8.9	0.68
Permian Basin RT	PBT		13.15	TL	610	33	67	8.6	1.09	8.3	0.66
Cross Timbers Royalty Trust	CRT		28.51	TL	170	70	30	9.2	3.01	10.6	0.65
Hugoton RoyaltyTrust	HGT		8.07	BL	320	88	13	7.1	0.54	6.7	0.58
Mesa RoyaltyTrust	MTR		21.52	BL	40	75	25	8.5	2.00	9.3	0.54
<i>Total or Median</i>					<i>4,900</i>	<i>57</i>	<i>43</i>	<i>9.2</i>		<i>8.3</i>	<i>0.68</i>
CB=Contrarian Buy, Stock Price apparently in downtrend compared to 200-day average.											
McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses											
Present Value (PV) presumes long-term prices of \$100 a barrel for oil and \$6 a million btu for natural gas.											
Dist. = Income distribution. NTM = Next Twelve Months Ended December 31, 2013. Enterprise Value = Market Cap and Debt.											
TL = Top Line income sources, BL = Bottom Line income sources											



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Table ISC-2

## McDep Income and Small Cap Energy Portfolio Net Present Value and McDep Ratio

			Price (\$/sh)	Shares	Market Cap (\$mm)	Net Present Value (\$/un)	Debt/ Present Value	McDep Ratio
	Symbol/ Rating		10-Jan 2013	(mm)				
<b>Small Cap Independent Producers</b>								
PDC Energy	PDCE		35.80	30.2	1,080	40.00	0.39	0.94
Range Resources	RRC	B	63.83	160.0	10,210	70.00	0.23	0.93
Peyto Exploration and Development Cor	PEYUF		22.85	143.2	3,270	27.00	0.16	0.87
Continental Resources (32%)	CLR	B	81.90	58.6	4,800	100.00	0.14	0.85
Halcón Resources	HK		7.72	339.0	2,620	10.00	0.30	0.84
Denbury Resources Inc.	DNR		16.80	391.0	6,570	28.00	0.23	0.69
Birchcliff Energy Ltd.	BIREF	B	7.13	149.0	1,060	12.00	0.23	0.68
Berry Petroleum Company	BRY		35.87	55.3	1,980	70.00	0.31	0.66
Whiting Petroleum Corporation	WLL	B	47.49	119.0	5,650	88.00	0.17	0.62
Cimarex Energy Company	XEC	B	61.00	86.9	5,300	110.00	0.13	0.61
	<i>Total or Median</i>				<i>42,540</i>		<i>0.23</i>	<i>0.77</i>
<b>Leveraged Cash Payers</b>								
Linn Energy, LLC	LINE		37.34	233.0	8,700	30.00	0.45	1.13
Vanguard Natural Resources, LLC	VNR		27.84	53.1	1,480	25.00	0.41	1.07
Legacy Reserves L.P.	LGCY		25.07	47.5	1,190	30.00	0.29	0.88
Enerplus Corporation	ERF	CB	13.19	196.0	2,590	21.00	0.30	0.74
	<i>Total or Median</i>				<i>13,960</i>		<i>0.36</i>	<i>0.98</i>
<b>RTF Cash Payers</b>								
Freehold Royalties Ltd.	FRHLF		23.04	65.7	1,510	21.00	0.05	1.09
Dorchester Minerals, L.P.	DMLP	CB	21.78	30.7	670	27.00	-	0.81
Enduro Royalty Trust (40%)	NDRO		16.59	13.2	220	21.00	-	0.79
San Juan Basin Royalty Trust	SJT	CB	14.46	46.6	670	21.00	-	0.69
Sabine Royalty Trust	SBR		44.20	14.6	640	65.00	-	0.68
Permian Basin RT	PBT		13.15	46.6	610	20.00	-	0.66
Cross Timbers Royalty Trust	CRT		28.51	6.0	170	44.00	-	0.65
Hugoton RoyaltyTrust	HGT		8.07	40.0	320	14.00	-	0.58
Mesa RoyaltyTrust	MTR		21.52	1.9	40	40.00	-	0.54
	<i>Total or Median</i>				<i>4,850</i>			<i>0.68</i>
B=Buy; CB=Contrarian Buy, Stock Price apparently in downtrend compared to 200-day average.								
McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses								
Present Value presumes long-term prices of \$100 a barrel for oil and \$6 a million btu for natural gas.								



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Table ISC-3

## McDep Income and Small Cap Energy Portfolio Value Multiples - Rank by EV/Ebitda

			Price (\$/sh)	Revenue	Dist/ Equity	Adjstd Resrvs/ Prod	PV/ Ebitda	EV/ Ebitda
	Symbol/ Rating		10-Jan 2013	Royalty (%)	Ebitda	NTM	NTM	NTM
<b>Small Cap Independent Producers</b>								
Range Resources	RRC	B	63.83		-	13.5	18.2	16.9
PDC Energy	PDCE		35.80		-	15.0	12.2	11.4
Peyto Exploration and Development Corp	PEYUF		22.85		0.33	9.2	12.1	10.6
Birchcliff Energy Ltd.	BIREF	B	7.13		-	19.4	13.5	9.2
Continental Resources (32%)	CLR	B	81.90		-	9.0	8.9	7.5
Denbury Resources Inc.	DNR		16.80		-	13.0	8.7	6.0
Halcón Resources	HK		7.72		-	5.5	7.1	5.9
Berry Petroleum Company	BRY		35.87		-	11.3	7.8	5.2
Cimarex Energy Company	XEC	B	61.00		-	7.3	8.4	5.2
Whiting Petroleum Corporation	WLL	B	47.49		-	9.1	7.7	4.8
	<i>Median</i>					10.2	8.8	6.8
<b>Leveraged Cash Payers</b>								
Linn Energy, LLC	LINE		37.34		1.07	14.0	11.1	12.6
Vanguard Natural Resources, LLC	VNR		27.84		1.05	13.2	10.9	11.7
Legacy Reserves L.P.	LGCY		25.07		0.77	11.0	10.2	9.0
Enerplus Corporation	ERF	CB	13.19		0.43	6.3	8.2	6.1
	<i>Median</i>					12.1	10.6	10.3
<b>RTF Cash Payers</b>								
Sabine Royalty Trust	SBR		44.20	100	1.00	8.1	16.5	11.2
Freehold Royalties Ltd.	FRHLF		23.04	80	0.82	5.1	10.1	11.1
Dorchester Minerals, L.P.	DMLP	CB	21.78	77	0.90	6.8	13.4	10.8
San Juan Basin Royalty Trust	SJT	CB	14.46		0.76	9.1	14.1	9.7
Cross Timbers Royalty Trust	CRT		28.51	78	0.97	14.2	14.2	9.2
Enduro Royalty Trust (40%)	NDRO		16.59		1.00	6.4	11.4	9.0
Permian Basin RT	PBT		13.15	52	0.71	9.9	13.0	8.6
Mesa RoyaltyTrust	MTR		21.52		0.80	7.7	15.9	8.5
Hugoton RoyaltyTrust	HGT		8.07		0.47	12.9	12.4	7.1
	<i>Median</i>					8.1	13.4	9.2
B=Buy; CB=Contrarian Buy, Stock Price apparently in downtrend compared to 200-day average.								
EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation and amortization; NTM = Next Twelve Months Ended December 31, 2013; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses								
Top Line Cash Payers defined as those having Revenue Royalty (see fifth column from right).								





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Table ISC-4									
McDep Income and Small Cap Energy Portfolio									
Total Return and Enterprise Value Momentum									
			Price (\$/sh)	Equity Total	Enterprise Value/				
	Symbol/		10-Jan	Return	52Wk	52Wk	50 Day	200 Day	McDep
	Rating		2013	YTD (%)	High	Low	Avg.	Avg.	Ratio
<b>Small Cap Independent Producers</b>									
PDC Energy	PDCE		35.80	8	0.93	1.36	1.06	1.11	0.94
Continental Resources (32%)	CLR	B	81.90	11	0.87	1.27	1.10	1.08	0.85
Peyto Exploration and Development C	PEYUF		22.85	(1)	0.88	1.42	0.96	1.08	0.87
Denbury Resources Inc.	DNR		16.80	4	0.85	1.17	1.05	1.03	0.69
Whiting Petroleum Corporation	WLL	B	47.49	9	0.80	1.22	1.07	1.03	0.62
Cimarex Energy Company	XEC	B	61.00	6	0.74	1.24	1.02	1.02	0.61
Birchcliff Energy Ltd.	BIREF	B	7.13	(5)	0.60	1.26	0.94	1.00	0.68
Range Resources	RRC	B	63.83	2	0.89	1.16	0.98	1.00	0.93
Halcón Resources	HK		7.72	12	0.68		1.11	0.97	0.84
Berry Petroleum Company	BRY		35.87	7	0.76	1.09	1.04	0.96	0.66
	<i>Median</i>			6	0.82	1.24	1.04	1.03	0.77
<b>Leveraged Cash Payers</b>									
Vanguard Natural Resources, LLC	VNR		27.84	7	0.95	1.13	1.01	1.01	1.07
Linn Energy, LLC	LINE		37.34	6	0.92	1.05	0.98	0.98	1.13
Legacy Reserves L.P.	LGCY		25.07	5	0.88	1.08	1.01	0.96	0.88
Enerplus Corporation	ERF	CB	13.19	2	0.64	1.09	0.99	0.92	0.74
Enduro Royalty Trust (40%)	NDRO		16.59	(1)	0.75	1.11	0.96	0.91	0.79
	<i>Median</i>			5	0.88	1.09	0.99	0.96	0.88
<b>RTF Cash Payers</b>									
Freehold Royalties Ltd.	FRHLF		23.04	4	0.99	1.36	1.07	1.16	1.09
Dorchester Minerals, L.P.	DMLP	CB	21.78	7	0.82	1.10	1.03	0.98	0.81
San Juan Basin Royalty Trust	SJT	CB	14.46	8	0.65	1.20	1.08	0.97	0.69
Hugoton RoyaltyTrust	HGT		8.07	10	0.46	1.41	1.09	0.96	0.58
Sabine Royalty Trust	SBR		44.20	11	0.66	1.14	0.98	0.86	0.68
Cross Timbers Royalty Trust	CRT		28.51	6	0.57	1.21	1.07	0.84	0.65
Permian Basin RT	PBT		13.15	7	0.57	1.10	1.00	0.78	0.66
Mesa RoyaltyTrust	MTR		21.52	11	0.49	1.14	0.98	0.77	0.54
	<i>Median</i>			8	0.61	1.17	1.05	0.91	0.67

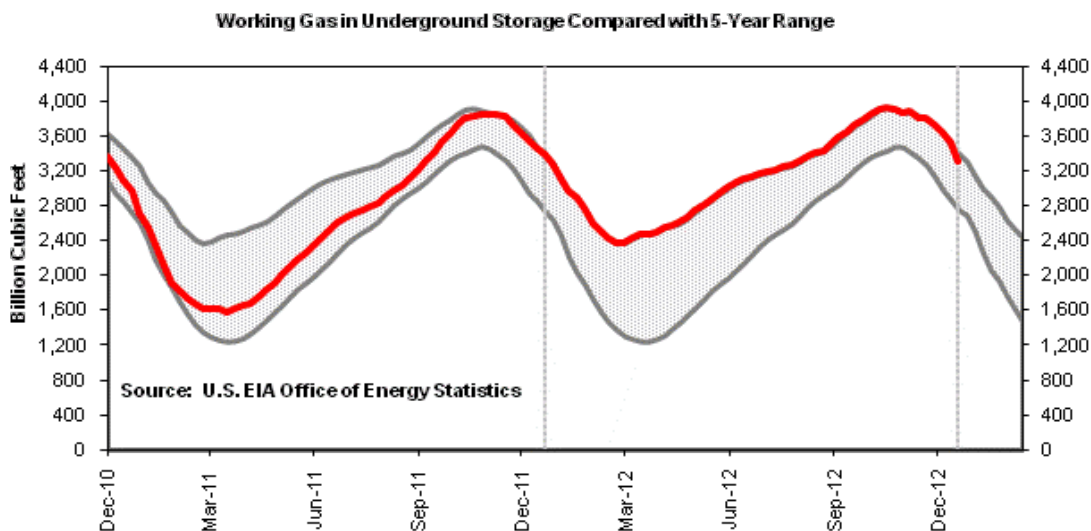
CB=Contrarian Buy, Stock Price apparently in downtrend compared to 200-day average.



# Income and Small Cap Weekly

Analysis of Oil & Gas Stocks

January 11, 2013



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