

CDEP Income and Small Cap Weekly

Analysis of Oil & Gas Stocks April 23, 2010

Oily Cash Payers Add Legacy, Raise Linn NPV

Summary and Recommendation

Estimated distributions for the next twelve months ranging from 6.8 to 10.4% are attracting investor interest in six oil-oriented Bottom Line Cash Payers and Top Line Cash Payers (see Tables 1-3, pages 7-9). Ultimately the level of income depends on oil price which is proving to be an appealing alternative for investors unhappy to see no interest on savings and actual losses from inflation. There is also a volume bonus in old oil fields where new drilling with advanced techniques is amply profitable again. McDep Ratios above 1.0 suggest some restraint in making new investments though it does not take much commitment to make a difference in the income of a diversified energy portfolio. McDep Ratios may look higher partly because they are predicated on a long-term oil price of \$75 a barrel that looks too low compared to current futures price for delivery over the next six years of \$92. Recent acquisitions may also help boost value for actively managed **Freehold Royalty Trust (FRHLF)**, **Legacy Reserves L.P. (LGCY)**, **Encore Energy Partners (ENP)** and **Linn Energy (LINE)**. The downside is that oil economics sour quickly below \$50 a barrel. For partial protection from possible volatility the actively managed partnerships generally hedge oil price, while the unmanaged trusts have no debt. Meanwhile, the oil price trend is up compared to the 40-week average and drilling economics are positive.

Add Legacy Reserves L.P. to Research Coverage

Newly added to our coverage, the units of **Legacy Reserves L.P.** offer competitive value among oil-concentrated peers. Legacy is a master limited partnership (MLP) formed by long-time owners of Permian Basin oil properties in West Texas. Partnership unitholders prize a steady quarterly distribution that implies annual income of 8.7%. LGCY attempts to build value by acquiring new reserves at a price below that of the public units. By its analysis, Legacy paid 6.6 times cash flow estimated late last year for a recent acquisition of Wyoming properties. In contrast, our analysis indicates that investors pay 9 times unhedged cash flow (EV/Ebitda) by current assumptions for Legacy's equity and debt. Cash flow and reserve life justify estimated Net Present Value (NPV) (see table on page 3, <u>Functional Cash Flow and Present Value</u>). Oil price and acquisitions contribute to cash flow growth (see table on page 4, <u>Next Twelve Months Operating and Financial Estimates</u>).

Raise NPV for Linn to \$21 a Unit from \$17

Since former Burlington Resources executive Mark Ellis joined Linn in 2006, the income stock has performed better than our expectations. A recent equity offering at a premium to NPV helps boost NPV as do recent, timely, oil-oriented acquisitions (see tables page 5-6). A slide in Linn's presentation at the Independent Petroleum Association of America meeting in New York last



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week illustrates the company's dominant size in the growing category of oil and gas production MLPs/LLC (see slide page 6).

Top Line and Bottom Line Oil Income

Sabine Royalty Trust (SBR), Permian Basin Royalty Trust (PBT) and Freehold Royalty Trust (FRHLF) have the less common, but desirable characteristic of paying all or some of distributions from cash flow before production expenses. The high quality securities, which we call Top Line Cash Payers, essentially get a free ride on the budding boom in drilling in old oil areas. Highlighted in a *Revenue Royalty* column, SBR pays 100% from the top line, FRHLF about 71% and PBT about 32% (see Table 3, page 9).

Formed in just the past few years, the two MLPs LGCY and ENP, along with the LLC (Limited Liability Company) LINE, are meeting a demand for oil income once met by Canadian Income Trusts before the Canadian government changed the rules effective next year. Because LGCY, ENP and LINE pay distributions from cash flow after operating expenses, we classify them as Bottom Line Cash Payers.

We also like the idea that none of the production stocks in our coverage have incentive distribution rights. Widely used in downstream partnerships, IDRs can give the managing party up to half of cash flow for no capital outlay.

Kurt H. Wulff, CFA



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Symbol	LGCY	Ebitda Next Twelve Months ending 3/31/11 (US\$mm)	141
Rating		North American Natural Gas/Ebitda (%)	11
Price (\$/sh)	23.98	Natural Gas and Oil Production/Ebitda (%)	100
Pricing Date	4/22/10	Adjusted Reserves/Production NTM	12.0
Units (mm)	39	EV/Ebitda	9.1
Market Capitalization (\$mm)	940	PV/Ebitda	8.0
Debt (\$mm)	350	Undeveloped Reserves (%)	14
Enterprise Value (EV) (\$mm)	1,280	Natural Gas and Oil Ebitda (\$/boe)	39.70
Present Value (PV) (\$mm)	1,130	Present Value Proven Reserves(\$/boe)	24.80
Net Present Value (\$/unit)	20	Oil and Gas Ebitda Margin (%)	62
Debt/Present Value	0.31	Earnings Next Twelve Months (US\$/un)	1.58
McDep Ratio - EV/PV	1.14	Price/Earnings Next Twelve Months	15
Distribution Yield (%/year)	8.7	Indicated Annual Distribution (US\$/un)	2.08
Note: Estimated cash flow ar	d earnings tied to	o one-year futures prices for oil and natural gas.	

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\$75 a barrel and natural gas, \$8 a million btu.

	Legacy Reser	rves L.P.								
Functional Cash Flow and Present Value										
	Present									
	NTM Ebitda	Adjusted	<i>PV</i> /	Value						
	<u>(US\$mm)</u>	<u>R/P</u>	<u>Ebitda</u>	<u>(US\$mm)</u>						
North American Natural Gas	15	11.1	12.2	180	16%					
Oil	126	12.3	7.6	950	84%					
	141	12.0	8.0	1,130	100%					
Debt (US\$mm)					350					
Net Present Value (US\$mm)					780					
Shares (mm)					39					
Net Present Value - Standard Estimate (US\$/sh)										
NPV Approximation by Cash Flow	Multiple Dependin	g on Reserv	e Life (US	\$/sh)	20					



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		Lega	cy Reserv	es L.P.				
I	Next Twelve	Months () perating	and Financ	cial Estimate	es		
								Next
								Twelve
	Q4	Q1E	Q2E	Q3E	Q4E	Year	Q1E	Months
	12/31/09	3/31/10	6/30/10	9/30/10	12/31/10	2010E	3/31/11	3/31/11
Volume								
Natural Gas (mmcfd)	13.5	13.9	14.4	14.4	14.4	14.3	14.4	14.4
Oil (mbd)	6.0	6.6	7.3	7.3	7.3	7.1	7.3	7.3
Total (mb)	759	803	883	892	892	3,470	873	3,541
Total (mbd)	8.2	8.9	9.7	9.7	9.7	9.5	9.7	9.7
Price								
Henry Hub (\$/mmbtu)	4.16	5.32	3.95	4.25	4.80	4.58	5.16	4.54
Differential (\$/mmbtu)	(1.64)	-	-	-	-	0.01	-	0.00
LGCY (\$/mcf)	5.80	5.32	3.95	4.25	4.80	4.57	5.16	4.54
WTI Cushing (\$/bbl)	76.09	78.67	82.68	85.58	87.21	83.54	87.40	85.72
Differential	8.53	8.65	9.09	9.41	9.59	9.06	9.61	9.43
LGCY (\$/bbl)	67.56	70.02	73.58	76.16	77.62	74.48	77.78	76.29
Total (\$/bbl)	58.62	60.12	61.24	63.63	65.55	62.70	66.20	64.15
Revenue (\$mm)								
Natural Gas	7	7	5	6	6	24	7	24
Oil	37	42	49	51	52	194	51	203
Total	44	48	54	57	58	218	58	227
Expense								
Lease operating	13	10	11	11	11	42	10	42
Production taxes	3	6	6	7	7	25	7	26
General and administrative	4	4	4	4	4	17	4	18
Total	20	19	21	22	22	84	22	87
Ebitda	25	29	33	35	37	133	36	141
Deprec., Deplet., & Amort.	15	16	18	18	18	69	17	71
Hedging and other	46					-		-
Ebit	(36)	13	15	17	19	64	19	70
Interest	2	2	2	2	2	8	2	8
Ebt	(38)	11	13	15	17	56	17	62
Income Tax								
Net Income (\$mm)	(38)	11	13	15	17	56	17	62
Per Unit (\$)	(1.10)	0.28	0.34	0.39	0.43	1.43	0.43	1.58
Units (millions)	35	39	39	39	39	39	39	39
Distribution (\$mm)	18	20	20	20	20	81	20	81
Per Unit (\$)	0.52	0.52	0.52	0.52	0.52	2.08	0.52	2.08
Ebitda Margin	56%	60%	61%	62%	62%	61%	63%	62%



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Analysis of Oil & Gas Stocks

April 23, 2010

Symbol	LINE	Ebitda Next Twelve Months ending 3/31/11 (US\$mm)	341
Rating		North American Natural Gas/Ebitda (%)	35
Price (\$/sh)	26.30	Natural Gas and Oil Production/Ebitda (%)	100
Pricing Date	4/22/10	Adjusted Reserves/Production NTM	20.3
Shares (mm)	144	EV/Ebitda	16.1
Market Capitalization (\$mm)	3,790	PV/Ebitda	13.9
Debt (\$mm)	1,710	Undeveloped Reserves (%)	28
Enterprise Value (EV) (\$mm)	5,500	Natural Gas and Oil Ebitda (\$/boe)	21.90
Present Value (PV) (\$mm)	4,700	Present Value Proven Reserves(\$/boe)	12.80
Net Present Value (\$/share)	21	Oil and Gas Ebitda Margin (%)	52
Debt/Present Value	0.36	Earnings Next Twelve Months (US\$/sh)	
McDep Ratio - EV/PV	1.16	Price/Earnings Next Twelve Months	
Distribution Yield (%/year)	9.6	Indicated Annual Distribution (US\$/sh)	2.52
Note: Estimated cash flow an	nd earnings tie	ed to one-year futures prices for oil and natural gas.	
Reported results may w	ary widely fro	om estimates. Estimated present value per share revised only infreq	uently.

Estimated present value presumes a long-term price for oil of US\$75 a barrel and natural gas, \$8 a million btu.

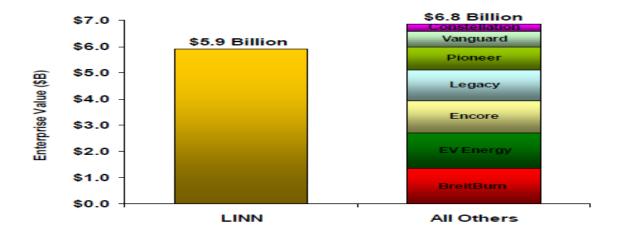
	Linn Energ	y, LLC								
Func	tional Cash Flowa	and Present	Value							
		Present								
	NTM Ebitda	Adjusted	PV/	Value						
	<u>(US\$mm)</u>	<u>R/P</u>	<u>Ebitda</u>	<u>(US\$mm)</u>						
North American Natural Gas	120	18.6	17.4	2,100	45%					
Oil	220	22.4	11.8	2,610	55%					
	341	20.3	13.8	4,710	100%					
Debt (US\$mm)					1,710					
Net Present Value (US\$mm)					3,000					
Shares (mm)					144					
Net Present Value - Standard Estima	ate (US\$/sh)				21					
NPV Approximation by Cash Flow	Multiple Dependin	g on Reserv	e Life (US	\$/sh)	22					



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			Linn En	ergy, LLC					
	Next 7	Fwelve Mon	ths Opera	ting and F	inancial E	stimates			
									Next
									Twelve
	Q1	Q4	Year	Q1E	Q2E	Q3E	Q4E	Year	Months
	3/31/09	12/31/09	2009	3/31/10	6/30/10	9/30/10	12/31/10	2010E	3/31/11
Volume									
Natural Gas (mmcfd)	133	112	124	112	132	142	142	132	140
Oil (mb)	1,260	1,582	5,634	1,548	1,565	1,840	1,840	6,793	7,045
Total (mb)	3,255	3,300	13,204	3,228	3,567	4,017	4,017	14,830	15,532
Total (mbd)	36.2	35.9	36.2	35.9	39.2	43.7	43.7	40.6	42.6
Price									
Henry Hub (\$/mmbtu)	4.90	4.16	3.99	5.32	3.95	4.25	4.80	4.58	4.54
Differential (\$/mmbtu)	1.37	(0.59)	0.45	-	_	-	-	0.03	(0.01)
Company (\$/mcf)	3.53	4.75	3.54	5.32	3.95	4.25	4.80	4.55	4.55
WTI Cushing (\$/bbl)	42.96	76.09	61.70	78.67	82.68	85.58	87.21	83.54	85.72
Differential	13.11	22.78	17.84	23.56	24.76	25.62	26.11	24.84	25.59
Company (\$/bbl)	29.85	53.30	43.86	55.12	57.92	59.95	61.10	58.69	60.13
Total (\$/bbl)	24.53	40.40	30.89	43.04	38.71	41.28	43.61	41.68	42.19
Revenue (\$mm)									
Natural Gas	42	49	161	54	47	56	63	219	232
Oil	38	84	247	85	91	110	112	399	424
Total	80	133	408	139	138	166	175	618	655
Expense	67	67	263	67	66	80	84	297	315
Ebitda	13	66	145	72	72	86	91	321	341
Deprec., Deplet., & Amort.	52	50	201	52	57	64	64	237	249
Hedging and other	(108)	(63)	(353)	(57)	(58)	(30)	(21)	(166)	(129)
Ebit	68	79	296	78	73	52	48	250	221
Interest	14	27	92	27	27	27	27	108	108
Ebt	54	52	204	51	46	25	21	142	113
Income Tax									
Net Income (\$mm)	54	52	204	51	46	25	21	142	113
Per Unit (\$)	0.48	0.41	1.72	0.40	0.32	0.17	0.14	1.04	0.79
Units (millions)	114	127	119	127	144	144	144	137	144
Ebitda Margin	16%	50%	36%	52%	52%	52%	52%	52%	52%



Please see disclosures on the final page.



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				Table 1						
McD	ep Inc	om	e and S	Small (Cap Ene	rgy Poi	rtfolio			
De	ebt, Bu	sin	ess Seg	gments	and Inc	ome Yi	eld			
						D	¥7 1			
			D :			Present				
C	umb o 1/D au	in a	Price	EV/	Entomaigo	by Segm	ent (%)	Diat	Dist	
	ymbol/Rai				Enterprise	NAmer.	0:1	Dist.	Dist.	M.D.
	B =		22-Apr		Value	Natural	Oil Dua d'a	NTM	Yield	McDep Deti
	CB (see be	low)	2010	Сар	(\$mm)	Gas	Prod'n	(\$/un)	(%)	Ratio
Canadian Income Trusts (US\$)										
Penn West Energy Trust	PWE		20.62	1.47	12,800	22	78	1.77	8.6	1.06
Pengrowth Energy Trust	PGH		11.45	1.44	4,800	38	62	0.83	7.2	1.03
Peyto Energy Trust	PEYUF		13.75		1,990	80	20	1.42	10.3	0.93
Enerplus Resources Fund	ERF		24.42	1.21	5,200	42	58	2.13	8.7	0.84
Canadian Oil Sands Trust	COSWF	В	30.90	1.09	16,300		100	1.38	4.5	0.83
Total or Median					41,100					0.93
Small Cap Independent Producers										
Range Resources	RRC		49.33	1.26	9,760	70	30	0.12	0.2	1.28
Petro-Hawk	HK		22.19		9,700	96	4	-	- 0.2	1.23
Whiting Petroleum Corporation	WLL		84.75	1.40	6,440	15	85	-	_	1.0
Cimarex Energy Company	XEC	В	64.42	1.13	6,020	62	38	0.32	0.5	0.99
Berry Petroleum Company	BRY		32.09	1.60	2,760	33	67	0.32	0.9	0.9
Ultra Petroleum	UPL		46.13	1.15	7,810	94	6	-	- 0.5	0.9
Birchcliff Energy Ltd. (US\$)	BIREF		8.93	1.20	1,440	77	23	-	-	0.84
Total or Median	DIGA		0.95	1.20	42,000	,,	20			1.02
Top Line Cash Payers	SBR		51.81	1.00	760	39	61	3.54	6.8	1.15
Sabine Royalty Trust Permian Basin RT	PBT				890	27	73	1.30		
	FRHLF		19.10 17.74		1,130	27	75		6.8 9.3	1.06
Freehold Royalty Trust (US\$)	CRT		35.41	1.11	210	78	22	1.65 2.67	9.5 7.5	1.04
Cross Timbers Royalty Trust Dorchester Minerals, L.P.	DMLP	В	25.89		790	67	33	1.88	7.3	0.96
Total or Median	DMLP	Б	23.89	1.02	3,800	07		1.00	1.2	1.04
Bottom Line Cash Payers										
Encore Energy Partners, L.P. (52%)			20.74		620	23	77	2.15	10.4	1.16
Linn Energy, LLC	LINE		26.30		5,500	45	55	2.52	9.6	1.16
Legacy Reserves L.P.	LGCY		23.98		1,280	16	84	2.08	8.7	1.14
San Juan Basin Royalty Trust	SJT	В	23.72	1.00	1,110	100	-	1.42	6.0	1.03
Mesa RoyaltyTrust	MTR	P	45.90		86	75	25	3.57	7.8	0.96
Hugoton RoyaltyTrust	HGT	В	18.35	1.00	730	90	10	1.26	6.9	0.87
Total or Median					9,300					1.08
Composite (excl COSWF)										
Enterprise Value Weighting					81,400	54	46			1.05
Equal Weighting						55	45			1.03
Equal Weighted Buys						63	37			1.00
CB=Contrarian Buy, Stock Price ap	narently in	dor	untrend co	mnared to	200-day ava	rage				
McDep Ratio = Market cap and Del					-	0				
Present Value presumes long-term							0.95			
Dist. = Income distribution. NTM =										



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			Table 2					
McDep Inc	ome an	d S	mall C	ap Ene	ergy Po	rtfolio		
Net P	resent `	Val	ue and	McDe	p Ratio)		
			Price			Net		
			(\$/sh)		Market	Present	Debt/	
	Symbol/		22-Apr	Shares	Cap	Value	Present	McDe
	Ra	ting	2010	(mm)	(\$mm)	(\$/un)	Value	Rati
Canadian Income Trusts (US\$)								
Penn West Energy Trust	PWE		20.62	420.7	8,670	19.00	0.34	1.06
Pengrowth Energy Trust	PGH		11.45	290.0	3,320	11.00	0.31	1.03
Peyto Energy Trust	PEYUF		13.75	114.9	1,580	15.00	0.19	0.93
Enerplus Resources Fund	ERF		24.42	177.0	4,320	30.00	0.15	0.84
Canadian Oil Sands Trust	COSWF	В	30.90	484.0	14,960	38.00	0.07	0.83
Total or Median					32,900		0.19	0.93
Small Cap Independent Producers								
Range Resources	RRC		49.33	160.0	7,760	35.00	0.26	1.28
Petro-Hawk	HK		22.19	302.0	6,590	16.00	0.35	1.23
Whiting Petroleum Corporation	WLL		84.75	59.0	4,900	78.00	0.25	1.05
Cimarex Energy Company	XEC	В	64.42	82.6	5,320	65.00	0.12	0.99
Berry Petroleum Company	BRY		32.09	54.0	1,730	35.00	0.35	0.95
Ultra Petroleum	UPL		46.13	151.0	6,810	50.00	0.12	0.91
Birchcliff Energy Ltd. (US\$)	BIREF		8.93	134.0	1,200	11.00	0.14	0.84
Total or Median					34,310		0.25	0.99
Top Line Cash Payers								
Sabine Royalty Trust	SBR		51.81	14.6	760	45.00	-	1.15
Permian Basin RT	PBT		19.10	46.6	890	18.00	-	1.06
Freehold Royalty Trust (US\$)	FRHLF		17.74	57.2	1,020	17.00	0.10	1.04
Cross Timbers Royalty Trust	CRT		35.41	6.0	210	34.00	-	1.04
Dorchester Minerals, L.P.	DMLP	В	25.89	29.8	770	27.00	0.02	0.96
Total or Median					3,650			1.04
Bottom Line Cash Payers								
Encore Energy Partners, L.P. (52%)	ENP		20.74	23.4	490	17.00	0.26	1.16
Linn Energy, LLC	LINE		26.30	144.0	3,790	21.00	0.36	1.16
Legacy Reserves L.P.	LGCY		23.98	39.0	940	20.00	0.31	1.14
San Juan Basin Royalty Trust	SJT	В	23.72	46.6	1,110	23.00	-	1.03
Mesa RoyaltyTrust	MTR		45.90	1.9	86	48.00	-	0.96
Hugoton RoyaltyTrust	HGT	В	18.35	40.0	730	21.00	-	0.87
Total or Median					7,150			1.08
B=Buy; CB=Contrarian Buy, Stock Pr	Ce annaron	thy in	downtro	nd compar	ed to 200 d	av avere a	0	
McDep Ratio = Market cap and Debt							с.	

Present Value presumes long-term prices of \$75 a barrel for oil and \$8 a million btu for natural gas.



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		Т	able 3					
McDep Inco	me and	l Si	mall C	ap Ene	rgy Po	rtfolio		
Value I	Multipl	es	- Rank	by EV	/Ebitda	a		
			Price			Adjstd		
			(\$/sh)	Revenue	Dist/	Resrvs/	PV/	EV
	Symbol/		22-Apr	Royalty	Equity	Prod	Ebitda	Ebitda
	Rat	ing	22-Apr 2010	(%)	Equily	NTM	NTM	NTM
Canadian Income Trusts (US\$)			10.55		1.00	25.0	10.0	
Peyto Energy Trust	PEYUF	-	13.75		1.23	25.0	13.0	12.1
Canadian Oil Sands Trust	COSWF	B	30.90		0.40	31.4	11.0	9.1
Pengrowth Energy Trust	PGH		11.45		0.63	9.7	8.4	8.6
Penn West Energy Trust	PWE		20.62		0.75	9.9	8.1	8.5
Enerplus Resources Fund Median	ERF		24.42		0.61	9.7 9.9	8.7	7.3
meatan						9.9	8.7	8.6
Small Cap Independent Producers								
Range Resources	RRC		49.33		-	13.5	12.0	15.4
Birchcliff Energy Ltd. (US\$)	BIREF		8.93		-	12.0	16.2	13.6
Ultra Petroleum	UPL		46.13		-	14.7	13.8	12.6
Petro-Hawk	HK		22.19		-	7.8	9.9	12.2
Berry Petroleum Company	BRY		32.09		-	13.1	8.3	7.8
Whiting Petroleum Corporation	WLL		84.75		-	10.9	7.0	7.3
Cimarex Energy Company	XEC	В	64.42		-	7.0	6.1	6.0
Median						12.0	9.9	12.2
Top Line Cash Payers								
Sabine Royalty Trust	SBR		51.81	100	1.00	9.4	12.7	14.6
Dorchester Minerals, L.P.	DMLP	В	25.89	64	0.98	7.9	14.1	13.5
Permian Basin RT	PBT		19.10	32	0.90	13.1	12.5	13.3
Cross Timbers Royalty Trust	CRT		35.41	84	0.96	13.4	12.3	12.7
Freehold Royalty Trust (US\$)	FRHLF		17.74	71	0.81	8.3	8.4	8.7
Median						9.4	12.5	13.3
Bottom Line Cash Payers								
Linn Energy, LLC	LINE		26.30		1.67	20.3	13.9	16.1
	SJT	В	20.30		1.67 0.79	14.0	13.9	13.2
San Juan Basin Royalty Trust Mesa RoyaltyTrust	MTR	D	45.90		0.79	8.5	12.8	15.2
Hugoton RoyaltyTrust	HGT	В	18.35		0.90	12.3	12.2	10.8
Encore Energy Partners, L.P.	ENP	Б	20.74		1.09	12.5	8.6	10.0
Legacy Reserves L.P.	LGCY		23.98		0.83	12.0	8.0	9.1
Median	LOCI		23.98		0.85	12.0	12.2	11.2
B=Buy; CB=Contrarian Buy, Stock Price								
EV = Enterprise Value = Market Cap and	l Debt; Eb	itda	= Earnings	s before int	erest, tax,	depreciatio	on	
and amortization; NTM = Next Twelve N					= Stock Pr	rice to		
Earnings; PV = Present Value of oil and	gas and o	ther	businesse	s				
Top Line Cash Payers defined as those	having Re	veni	ie Rovalty	/ (see fifth	column fre	m right)		

Top Line Cash Payers defined as those having Revenue Royalty (see fifth column from right).

Please see disclosures on the final page.



Income and Small Cap Weekly

Analysis of Oil & Gas Stocks April 23, 2010

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