

## Marathon Oil (MRO) Frac Shale Oil, Sell Norway

Symbol	MRO	Ebitda Next Twelve Months ending 6/30/15 (US\$mm)	7,000
Rating	Buy	North American Natural Gas/Ebitda (%)	4
Price (US\$/sh)	39.77	Natural Gas and Oil Production/Ebitda (%)	100
Pricing Date	7/21/14	Adjusted Reserves/Production NTM	10.4
Shares (mm)	696	EV/Ebitda	5.3
Market Capitalization (US\$mm)	Capitalization (US\$mm) 27,700 PV/Ebitda		6.3
Debt (US\$mm)	9,500	Undeveloped Reserves (%)	29
Enterprise Value (EV) (US\$mm)	37,200	Natural Gas and Oil Ebitda (US\$/boe)	39.90
Present Value (PV) (US\$mm)	44,300	Present Value Proven Reserves(US\$/boe)	20.70
Net Present Value (US\$/share)	50	Present Value Proven Reserves(US\$/mcfe)	3.45
Debt/Present Value	0.22	Earnings Next Twelve Months (US\$/sh)	3.41
McDep Ratio - EV/PV	0.84	Price/Earnings Next Twelve Months	12
Dividend Yield (%/year)	1.9	Indicated Annual Dividend (US\$/sh)	0.76
Note: Estimated cash flow and e	arnings tied to on	e-year futures prices for oil and natural gas.	
Reported results may vary	y widely from esti	mates. Estimated present value per share revised only infred	uently.
Estimated present value p	resumes a long-te	rm price for oil of US\$90 a barrel and natural gas, \$6 a milli	on btu.
For historical research or	n Marathon since 2	2001 see http://www.mcdep.com/3mro.htm	

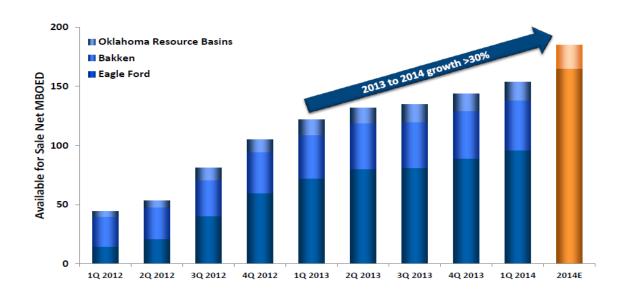
## **Summary and Recommendation**

Buy-recommended Marathon Oil (MRO) offers high concentration on oil production at 89% of present value at a low McDep Ratio of 0.84 and moderate ratio of debt to present value of 0.22. Oil price at \$91 a barrel for the six-year average of futures for the U.S. benchmark crude is in an uptrend apparently with global economic activity. Oil price seems supported on the downside by chronic geopolitical instability in oil producing areas. Not just a passive participator in price trends, Marathon pursues volume growth in U.S. shale oil in the Texas Eagle Ford, North Dakota Bakken and Oklahoma Resource Basins. Production from the three areas is expected to reach 180 thousand barrels equivalent daily in 2014, up 30% from 2013 (see slide Unconventional Resource Plays on page 2). Moreover, the sale of high-tax Norwegian production last month will increase the concentration on lower-tax North American oil to 80% from 65% (see slide Oil Production on page 2). The sale also furthers chief executive Lee Tillman's goal to "Keep It Simple". If the often-rumored resumption of Libyan oil sales to international markets were to occur, it might improve the price Marathon could achieve in a sale of its Libyan property as a another step to simplification. All of the company's historically important production in the politically destabilized North African country has been shut in for most of the past year. As financial reporting becomes simpler, our estimate of Net Present Value (NPV) of \$50 a share may be better reflected in stock price (see tables Present Value and Operating and Financial Estimates on page 3). Along with a competitive valuation position among large cap U.S. Independent Producers, MRO stock price is trending up (see <u>Tables 1-4</u> on pages 4-7).

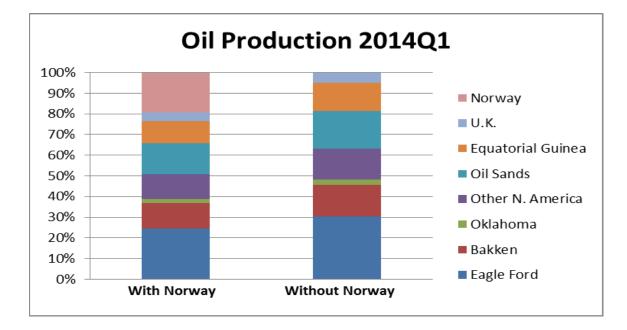
Kurt H. Wulff, CFA



Unconventional Resource Plays Accelerated Resource Development to Grow Profitable Volumes



Marathon Oil Corporation





Maratho	on Oil Co	rporation								
Functional Cash Flow and Present Value										
	NTM <u>Ebitda</u>	Adjusted <u>R/P</u>	PV/ <u>Ebitda</u>	Present <u>Value</u>						
North American Natural Gas	250	7.1	12.0	3,000	7%					
Rest of World Natural Gas	210	6.7	7.1	1,500	3%					
Oil	6,120	7.5	5.8	35,400	80%					
Synthetic Crude Oil	470	38	9.4	4,400	10%					
	7,050	10.4	6.3	44,300	100%					
Debt					9,500					
Net Present Value (\$mm)					34,800					
Shares					696					
Net Present Value - Standard Estimate (US\$/sh)					50					
NPV Approximation by Cash Flow Multiple Dep	ending on	Reserve Life	(US\$/sh)		54					

			Marath	on Oil Co	rporation					
	Ν	ext Twelve				cial Estim	ates			
										Next
										Twelve
	Q2	Year	Q1	Q2E	Q3E	Q4E	Year	QIE	Q2E	Months
	6/30/13	2013	3/31/14	6/30/14	9/30/14	12/31/14	2014E	3/31/15	6/30/15	6/30/15
Volume										
Natural Gas (mmcfd)										
U.S. (or North America)	316	312	300	300	300	300	300	300	300	300
Overseas (or Int'l)	514	547	518	514	562	543	534	518	514	534
Total	830	859	818	814	862	843	834	818	814	834
Oil (mmb)	33	127	29	29	30	31	119	31	33	126
Oil (mbd)	368	347	320	320	330	339	327	350	360	345
Total gas & oil (mbd))	506	490	456	456	473	480	466	486	496	484
Price										
Natural gas (\$/mcf)										
Henry Hub (\$/mmbtu)	4.10	3.65	4.95	4.67	4.04	3.93	4.40	4.03	3.78	3.94
U.S. (or North America)	4.19	3.84	5.28	4.98	4.31	4.19	4.69	4.30	4.03	4.21
Overseas (or Int'l)	2.37	2.25	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
Total	3.06	2.83	3.19	3.09	2.79	2.77	2.95	2.83	2.74	2.78
Oil (\$/bbl)										
WTI Cushing	94.22	97.98	98.74	102.98	103.68	100.73	101.53	98.29	96.42	99.78
Worldwide	92.53	92.87	93.59	97.61	98.27	95.48	96.25	93.18	91.40	94.51
Total gas & oil (\$/mcf)	12.05	11.79	11.89	12.34	12.25	12.06	12.14	11.97	11.81	12.02
Revenue (\$mm)										
Natural Gas										
U.S. (or North America)	120	437	143	136	119	116	513	116	110	461
Overseas (or Int'l)	111	450	92	93	102	99	386	92	93	386
Total	231	887	235	229	221	215	899	208	203	847
Oil	3,099	11,773	2,695	2,842	2,980	2,982	11,500	2,932	2,996	11,890
Other	568	2,552	599				599			
Total	3,898	15,212	3,529	3,071	3,201	3,197	12,998	3,141	3,198	12,737
Expense	2,220	8,207	1,762	1,371	1,429	1,427	5,990	1,402	1,428	5,687
Ebitda (\$mm)	1,678	7,005	1,767	1,700	1,772	1,769	7,008	1,738	1,770	7,050
Exploration	133	993	76	76	76	76	304	125	125	402
Deprec., Deplet., & Amort.	738	2,845	697	697	697	697	2,788	697	697	2,788
Ebit	807	3,167	994	927	999	996	3,916	916	948	3,860
Interest	71	274	52	52	52	52	208	52	52	208
Ebt	736	2,893	942	875	947	944	3,708	864	896	3,652
Income Tax	258	1,013	330	306	331	331	1,298	303	314	1,278
Net Income (\$mm)	478	1,881	612	569	615	614	2,410	562	583	2,374
Shares (millions)	714	710	696	696	696	696	696	696	696	696
Per share (\$)	0.67	2.65	0.88	0.82	0.88	0.88	3.46	0.81	0.84	3.41
Ebitda Margin (E&P)	50%	55%	60%	55%	55%	55%	57%	55%	55%	55%
Tax Rate	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%



			3.6		ible 1	•					
			Mc	Dep Ei	nergy Sto	cks					
E	nterpri	se `	Value, S	Segme	nts, Yield	and Mo	cDep R	atio			
								~	(0.()		
							it Value by	v Segmer	ıt (%)		
			Price			North	Rest of			Dist.	
			(US\$/sh)	EV/	Enterprise	Amer.	World		_	Yield	
	mbol/Rat		21-Jul	Market	Value	Natural	Natural		Down-	NTM	McDep
B = Buy, Cl	B (see bel	ow)	2014	Сар	(\$ <i>mm</i> )	Gas	Gas	Prod'n	stream	(%)	Ratic
Global Integrated		n	100.00		500 000		10				
Exxon Mobil Corporation	XOM	В	103.08	1.17	523,000	8	19	56	17	2.7	1.01
Royal Dutch Shell plc	RDS-A		82.09	1.33	344,000	4	22	57	17	4.6	0.89
Chevron Corporation	CVX		131.29	1.18	295,000	4	11	72	13	3.3	0.89
Total S.A.	TOT	CD	67.56	1.32	202,000		22	62	16	4.9	0.88
Lukoil Oil Company	LUKOY	CB	55.57	1.17	50,300			75	25	5.6	0.45
Total or Median				1.18	1,414,000			62	17	4.6	0.89
U.S. Independent	FOC		1161-	1.00	60.000	10				0.1	1.07
EOG Resources, Inc.	EOG		116.15	1.08	68,800	18	4	78		0.4	1.05
ConocoPhillips	COP		84.53	1.32	139,000	15	14	71		3.3	0.88
Occidental Petroleum Corp.	OXY	P	100.58	1.12	89,400	8	1	83	9	2.9	0.85
Marathon Oil Corporation	MRO		39.77	1.34	37,200	8	4	89	0	1.9	0.84
Devon Energy Corporation	DVN	В	77.12	1.41	44,500	30		62	9	1.2	0.83
Total or Median				1.32	379,000	15		78		1.9	0.85
Canada/Australia					25.000		-				1.00
Woodside Petroleum Ltd.	WOPEY		39.50	1.14	37,000		70	30	10	5.2	1.08
Imperial Oil Limited (30%)	IMO		53.10	1.22	16,600	2		79	18	0.9	1.02
EnCana Corporation	ECA	В	21.52	1.52	24,100	80		20		1.3	0.79
Cenovus Energy Inc.	CVE	_	30.80	1.31	30,600	9		75	15	3.2	0.78
Canadian Oil Sands Limited	COSWF	В	22.04	1.23	13,200			100		7.2	0.69
Total or Median				1.23	122,000			75		3.2	0.79
Small Cap Independent Produ					10 500						
Continental Resources (32%)	CLR		151.19	1.19	10,700	16		84		-	1.10
Cimarex Energy Company	XEC	В	143.55	1.12	14,000	40		60		0.4	1.02
Halcón Resources	HK		6.85	2.35	6,700	6		94		-	0.99
Whiting Petroleum Corporation		В	87.75	1.28	13,400	7		93		-	0.98
Peyto Exploration and Developr			34.34	1.17	6,100	81		19		2.6	0.84
WPX Energy Inc.	WPX	_	20.97	1.67	7,000	69		31		-	0.83
Birchcliff Energy Ltd.	BIREF		10.77	1.35	2,300	72		28		-	0.82
Range Resources	RRC	CB	76.70	1.31	16,300	62		38		0.2	0.81
PDC Energy	PDCE		54.31	1.36	2,700	26		74		-	0.78
Total or Median				1.31	79,000	40		60		-	0.84
RTF Cash Payers	1 (777)			1.00				•			
Mesa RoyaltyTrust	MTR		29.75	1.00	60	71		29		7.4	1.05
Dorchester Minerals, L.P.	DMLP	В	33.32	1.00	1,020	42		58		6.0	1.04
Enduro Royalty Trust	NDRO		14.09	1.00	470	37		63		5.8	1.01
Freehold Royalties Ltd.	FRHLF		24.38	1.10	1,820	19		81		6.4	0.94
Sabine Royalty Trust	SBR	F	58.89	1.00	860	44		56		7.1	0.92
San Juan Basin Royalty Trust	SJT		18.69	1.00	870	100		-		6.4	0.89
Permian Basin RT	PBT		14.34	1.00	670	20		80		7.7	0.80
Hugoton RoyaltyTrust	HGT		10.27	1.00	410	88		12		7.3	0.79
Cross Timbers Royalty Trust	CRT		33.09	1.00	200	64		36		7.3	0.79
Total or Median	<u> </u>			1.00	6,400	44		56		7.1	0.92
CB=Contrarian Buy, Stock Price	e may be in	n do	wntrend co	ompared to	o 200-day ave	rage.					



	ЛЛ-	Der	Table 2	Stocke				
		-	Energy					
Net	Presen	t Va	lue and	<b>McDep</b>	Ratio			
			Price			Net		
			(US\$/sh)		Market	Present	Debt/	
	Symbol/R		21-Jul	Shares	Cap	Value	Present	McDep
	CB (see b	elow)	2014	(mm)	(US\$mm)	(US\$/sh)	Value	Ratio
Global Integrated	VOM	D	102.00	4 2 2 2	116.000	102.00	0.15	1.01
Exxon Mobil Corporation	XOM	В	103.08	4,328	446,000	102.00	0.15	1.01
Royal Dutch Shell plc	RDS-A		82.09	3,145	258,000	95.00	0.22	0.89
Chevron Corporation	CVX		131.29	1,909	251,000	150.00	0.13	0.89
Total S.A.	TOT		67.56	2,277	154,000	80.00	0.21	0.88
Lukoil Oil Company	LUKOY	CB	55.57	776	43,100	135.00	0.06	0.45
Total or Median					1,152,000		0.15	0.89
U.S. Independent								
EOG Resources, Inc.	EOG		116.15	548	63,700	110.00	0.08	1.05
ConocoPhillips	COP		84.53	1,243	105,000	100.00	0.21	0.88
Occidental Petroleum Corp.	OXY		100.58	792	79,700	120.00	0.09	0.85
Marathon Oil Corporation	MRO	В	39.77	696	27,680	50.00	0.22	0.84
Devon Energy Corporation	DVN	В	77.12	408	31,500	100.00	0.24	0.83
Total or Median					307,600		0.21	0.85
Canada/Australia								
Woodside Petroleum Ltd.	WOPEY		39.50	823	32,500	36.00	0.13	1.08
Imperial Oil Limited (30%)	IMO		53.10	255	13,600	52.00	0.18	1.02
EnCana Corporation	ECA	В	21.52	736	15,800	30.00	0.27	0.79
Cenovus Energy Inc.	CVE		30.80	757	23,300	42.00	0.19	0.78
Canadian Oil Sands Limited	COSWF	В	22.04	485	10,700	34.00	0.13	0.69
Total or Median					96,000		0.18	0.79
Small Cap Independent Producers								
Continental Resources (32%)	CLR	В	151.19	59	9,000	135.00	0.18	1.10
Cimarex Energy Company	XEC	В	143.55	87	12,500	140.00	0.11	1.02
Halcón Resources	HK		6.85	414	2,800	7.00	0.57	0.99
Whiting Petroleum Corporation	WLL	В	87.75	120	10,500	90.00	0.21	0.98
Peyto Exploration and Development Corp.	PEYUF		34.34	152	5,200	42.00	0.12	0.84
WPX Energy Inc.	WPX		20.97	200	4,200	28.00	0.33	0.83
Birchcliff Energy Ltd.	BIREF	В	10.77	156	1,700	14.00	0.21	0.82
Range Resources	RRC	CB	76.70	162	12,400	100.00	0.19	0.81
PDC Energy	PDCE		54.31	36	2,000	75.00	0.21	0.78
Total or Median					60,000		0.21	0.84
RTF Cash Payers								
Mesa RoyaltyTrust	MTR		29.75	2	60	28.00	-	1.05
Dorchester Minerals, L.P.	DMLP	В	33.32	31	1,020	32.00	-	1.04
Enduro Royalty Trust	NDRO		14.09	33	470	14.00	-	1.01
Freehold Royalties Ltd.	FRHLF		24.38	68	1,660	26.00	0.08	0.94
Sabine Royalty Trust	SBR		58.89	15	860	64.00	-	0.92
San Juan Basin Royalty Trust	SJT	В	18.69	47	870	21.00	-	0.89
Permian Basin RT	PBT		14.34	47	670	18.00	-	0.80
Hugoton RoyaltyTrust	HGT		10.27	40	410	13.00	-	0.79
Cross Timbers Royalty Trust	CRT		33.09	6	200	42.00	-	0.79
cross moors rojunj must			55.07	5	6,200	12.00		0.92

Estimated present value presumes a long-term price for oil of US\$90 a barrel and natural gas, \$6 a million btu. McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses



	777	<b>N</b> .	Table 3	G4 1				
			Energy					
•	Value N	Ault	iples and	l Dividen	ıd			
	Rai	ıked	by EV/I	Ebitda				
			Price	Adjustd				
			(US\$/sh)	Resrvs/	PV/	EV/		Dividena
•	ymbol/Rai	0	21-Jul	Prod	Ebitda	Ebitda	P/E	NTM
B = Buy, C	B (see bel	.ow)	2014	NTM	NTM	NTM	NTM	(\$/sh)
Global Integrated	VOM	В	102.09	14.0	7.1	7.1	12	2.76
Exxon Mobil Corporation	XOM CVX	в	103.08	14.0 9.1	7.1	7.1	13	
Chevron Corporation Royal Dutch Shell plc	RDS-A		131.29 82.09	9.1	6.7 6.6	5.9	12	4.28
Total S.A.	TOT		67.56	10.3	6.5	5.7	12	3.30
Lukoil Oil Company	LUKOY	CP	55.57	15.5	5.6	2.5	4	3.12
Median	LUKUI	CD	55.57	10.3	6.6	5.9	12	5.12
U.S. Independent				10.5	0.0	5.9	12	
EOG Resources, Inc.	EOG		116.15	7.8	6.5	6.8	22	2.88
Devon Energy Corporation	DVN	В	77.12	10.1	8.0	6.6	17	0.96
Occidental Petroleum Corp.	OXY	D	100.58	10.7	7.2	6.1	14	2.76
ConocoPhillips	COP		84.53	11.3	6.9	6.0	12	0.50
Marathon Oil Corporation	MRO	В	39.77	10.4	6.3	5.3	12	0.76
Median	linco		37.11	10.4	6.9	6.1	14	0.70
Canada/Australia				1011	0.5	011		
Imperial Oil Limited (30%)	IMO		53.10	24.5	9.8	10.0	14	0.48
EnCana Corporation	ECA	В	21.52	7.2	10.3	8.2	15	0.28
Woodside Petroleum Ltd.	WOPEY	-	39.50	9.5	7.5	8.1	16	2.06
Canadian Oil Sands Limited	COSWF	В	22.04	18.2	9.6	6.7	11	1.58
Cenovus Energy Inc.	CVE		30.80	13.7	8.4	6.6	14	0.99
Median				13.7	9.6	8.1	14	
Small Cap Independent Producers								
Range Resources	RRC	CB	76.70	13.6	12.4	10.1	71	0.16
Peyto Exploration and Development Corp.	PEYUF		34.34	10.0	10.6	8.9	22	0.89
Birchcliff Energy Ltd.	BIREF	В	10.77	14.5	9.9	8.1	23	-
Continental Resources (32%)	CLR	В	151.19	11.4	7.2	8.0	19	-
PDC Energy	PDCE		54.31	17.5	10.1	7.9	30	-
Halcón Resources	HK		6.85	5.8	7.9	7.9	15	-
WPX Energy Inc.	WPX		20.97	8.6	8.8	7.3		-
Cimarex Energy Company	XEC	B	143.55	7.0	7.2	7.3	19	0.64
Whiting Petroleum Corporation	WLL	В	87.75	7.6	5.3	5.2	12	-
Median				10.0	8.8	7.9	20	
RTF Cash Payers								
San Juan Basin Royalty Trust	SJT	B	18.69	10.7	15.9	14.1	16	1.19
Sabine Royalty Trust	SBR		58.89	10.2	15.3	14.1	14	4.18
Dorchester Minerals, L.P.	DMLP	B	33.32	8.3	13.1	13.7	20	2.00
Hugoton RoyaltyTrust	HGT		10.27	14.4	14.8	11.7	14	0.75
Cross Timbers Royalty Trust	CRT		33.09	12.2	14.4	11.4	14	2.42
Mesa RoyaltyTrust	MTR		29.75	6.9	10.6	11.2	13	2.21
Freehold Royalties Ltd.	FRHLF		24.38	5.7	11.5	10.8	20	1.56
Permian Basin RT	PBT		14.34	9.8	10.2	8.2	13	1.10
Enduro Royalty Trust	NDRO		14.09	7.4	7.8	7.9	17	0.82
Median				9.8	13.1	11.4	14	
CB=Contrarian Buy, Stock Price may be in	downtren	d com	pared to 200	)-day averag	e.			
EV = Enterprise Value = Market Cap and D	ebt; Ebitda	a = Ea	rnings befor	e interest, ta	ax, depreciat	ion		
and amortization; NTM = Next Twelve Mor	the Daded	T	20 2015 D	/E C 1 T	N			

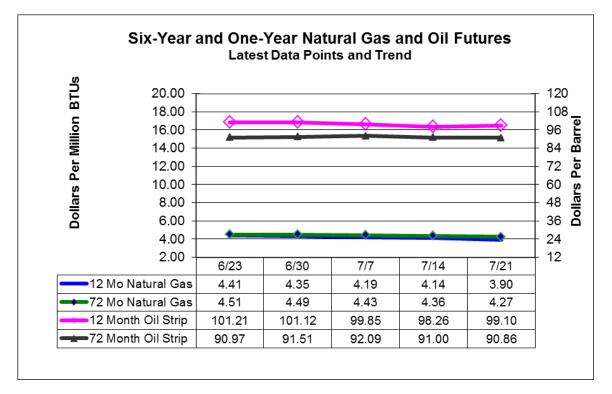


Total R		crep	- n.nerov	/ \$1////26					
Total R				y Stocks					
	eturn a	nd Ei	nterpris	e Value	Mome	entum	1		
	Ranked	l by F	V/200-	Day Ave	erage				
		- ~ j _		Equity					
			Price	Total					
			(\$/sh)	Return	1	Enterpri	se Value/	·	
	Symbol		21-Jul	YTD	52Wk	52Wk	50 Day		McDep
	-	Rating	2014	(%)	High	Low	Avg.	Avg.	Ratic
Global Integrated					0		0		
Royal Dutch Shell plc	RDS-A		82.09	18	0.99	1.21	1.01	1.09	0.89
Chevron Corporation	CVX		131.29	7	0.99	1.17	1.03	1.07	0.89
Exxon Mobil Corporation	XOM	В	103.08	3	0.99	1.18	1.01	1.06	1.01
Total S.A.	TOT		67.56	13	0.93	1.20	0.96	1.04	0.88
Lukoil Oil Company	LUKOY	CB	55.57	(9)	0.85	1.11	0.95	0.95	0.45
Median				7	0.99	1.18	1.01	1.06	0.89
U.S. Independent									
EOG Resources, Inc.	EOG		116.15	39	0.98	1.57	1.05	1.21	1.05
ConocoPhillips	COP		84.53	23	0.98	1.24	1.02	1.11	0.88
Devon Energy Corporation	DVN	В	77.12	25	0.97	1.27	1.01	1.11	0.83
Marathon Oil Corporation	MRO	В	39.77	14	0.99	1.18	1.03	1.08	0.84
Occidental Petroleum Corp.	OXY		100.58	7	0.96	1.16	1.00	1.04	0.85
Median				23	0.98	1.24	1.02	1.11	0.85
Canada/Australia									
Imperial Oil Limited (30%)	IMO		53.10	21	0.99	1.25	1.03	1.12	1.02
Canadian Oil Sands Limited	COSWF	В	22.04	21	0.97	1.19	1.01	1.08	0.69
Woodside Petroleum Ltd.	WOPEY		39.50	17	0.98	1.19	1.01	1.08	1.08
Cenovus Energy Inc.	CVE		30.80	9	0.96	1.15	1.01	1.05	0.78
EnCana Corporation	ECA	В	21.52	20	0.91	1.16	0.95	1.04	0.79
Median				20	0.97	1.19	1.01	1.08	0.79
Small Cap Independent Producers									
Cimarex Energy Company	XEC	В	143.55	37	0.99	1.76	1.05	1.23	1.02
Whiting Petroleum Corporation	WLL	В	87.75	42	0.99	1.54	1.11	1.22	0.98
Continental Resources (32%)	CLR	В	151.19	34	0.96	1.51	1.03	1.18	1.10
Halcón Resources	HK		6.85	77	0.96	1.30	1.02	1.15	0.99
Birchcliff Energy Ltd.	BIREF	В	10.77	57	0.83	1.40	0.90	1.11	0.82
Peyto Exploration and Development	PEYUF		34.34	14	0.91	1.24	0.96	1.04	0.84
WPX Energy Inc.	WPX		20.97	3	0.91	1.13	0.97	1.03	0.83
PDC Energy	PDCE		54.31	2	0.79	1.15	0.90	0.94	0.78
Range Resources	RRC	CB	76.70	(9)	0.84	1.04	0.90	0.93	0.81
Median				34	0.91	1.30	0.97	1.11	0.84
RTF Cash Payers									
Dorchester Minerals, L.P.	DMLP	В	33.32	35	0.98	1.41	1.14	1.27	1.04
Hugoton RoyaltyTrust	HGT		10.27	46	0.85	1.47	0.94	1.18	0.79
Mesa RoyaltyTrust	MTR		29.75	50	0.78	1.47	0.93	1.17	1.05
Sabine Royalty Trust	SBR		58.89	22	0.92	1.23	1.01	1.12	0.92
Enduro Royalty Trust	NDRO		14.09	21	0.89	1.24	1.09	1.10	1.01
Freehold Royalties Ltd.	FRHLF		24.38	21	0.94	1.23	1.01	1.09	0.94
San Juan Basin Royalty Trust	SJT	В	18.69	16	0.92	1.21	0.98	1.06	0.89
Cross Timbers Royalty Trust	CRT		33.09	17	0.87	1.23	0.96	1.06	0.79
Permian Basin RT	PBT		14.34	16	0.88	1.19	1.00	1.04	0.80
Median				21	0.89	1.23	1.00	1.10	0.92



		Index	of Recent Research
Stock ]	ldeas		
	Symbol	Subject	Theme
<u>Date</u> 15-Jul	WLL	Whiting Petroleum	Agrees to Acquire Kodiak Oil & Gas (Meter Reader)
3-Jul	DVN	Devon Energy	Five Core Focus (Meter Reader)
l-Jul	COSWF	Canadian Oil Sands Ltd.	Returning to Favor (Meter Reader)
24-Jun	DMLP	Dorchester Minerals, L.P.	Raise NPV to \$32 on Minerals (Meter Reader)
24-Jun	FRHLF	Freehold Royalties Ltd	Raise NPV to \$26 on Minerals (Meter Reader)
7-Jun	PEYUF	Peyto Exploration	Raise NPV to \$42 on More Energy Growth (Meter Reader)
0-Jun	OXY	Occidental Petroleum	Raise NPV to \$120, Spinoff Filed (Meter Reader)
3-Jun	ECA	Encana Corporation	Hidden Value Surfaces (Meter Reader)
27-May		Chevron	Oil Price Turns Up (Meter Reader)
	BIREF	Birchcliff Energy	Raise NPV to \$14 on Accelerating Volume (Meter Reader)
3-May		Cimarex Energy	Raise NPV to \$14 on Accelerating volume (Meter Reader) Raise NPV to \$140 on Cana Double (Meter Reader)
23-Apr		Hugoton Royalty Trust	Positive Arbitration Ruling
22-Apr		Range Resources	Testing Utica (Meter Reader)
21-Apr		Mesa Royalty Trust	Underpayment Uncovered, Upside Commodity Leverage
5-Apr		ConocoPhillips	Shale Upside, Exploration Promise, Dividend Strength (Meter Reader)
25-Mar		Cenovus Energy	Oil Growth Slowed by Transit States (Meter Reader)
8-Mar		Permian Basin Royalty Trust	Rising Oil Production, Understated Income (Meter Reader)
	LUKOY	Lukoil	Economic Opportunity in Political Risk (Meter Reader)
-Mar	EOG	EOG Resources	Raise NPV to \$220 on Shale Oil Leadership (Meter Reader)
	PDCE	PDC Energy	Raise NPV to \$75 on More Shale Oil
1-Feb	SJT	San Juan Basin Royalty Trust	Strategic Resource in a Cold Winter (Meter Reader)
-Feb	XOM	Exxon Mobil	Largest and Strongest Oil and Gas Producer (Meter Reader)
21-Jan	RDSA	Royal Dutch Shell plc	Lower NPV to \$95 on Profit Warning (Meter Reader)
7-Dec		Marathon Oil	New CEO Accelerates Shale Growth (Meter Reader)
9-Nov		Continental Resources	High Density "Ears Back" Drilling Pace (Meter Reader)
l-Oct	NDRO	Enduro Royalty Trust	Worth Another Look after Stock Price Decline
27-Sep		WPX Energy	San Juan Basin Innovator (Income and Small Cap Weekly)
3-Sep	CRT	Cross Timbers Royalty Trust	Fracking Upside in Permian and Scoop (Income and Small Cap Weekly)
23-Jul	WOPEY	Woodside Petroleum, Ltd.	Distributing LNG Cash (Meter Reader)
			com, click on Stock Ideas, click on stock by name.
Meter	Reader		
5-Jul	WLL	Whiting Petroleum	Agrees to Acquire Kodiak Oil & Gas
-Jul	DVN	Devon Energy	Five Core Focus
-Jul	COSWF	Canadian Oil Sands Ltd.	Returning to Favor
4-Jun	DMLP, FRH		Raise NPV to \$32 for Dorchester, \$26 for Freehold
7-Jun	PEYUF	Peyto Exploration	Raise NPV to \$42 on More Energy Growth
0-Jun	OXY	Occidental Petroleum	Raise NPV to \$120, Spinoff Filed
-Jun	ECA	Encana Corporation	Hidden Value Surfaces
27-May		Chevron	Oil Price Turns Up
	BIREF	Birchcliff Energy	Raise NPV to \$14 on Accelerating Volume
3-May		Cimarex Energy	Raise NPV to \$140 on Cana Double
		editions, go to mcdep.com, click or	
ndust	ry Ideas		
uly	.,		Oil and Gas Investor: In Royalty We Trust
24-Jun		ILF, PBT, CRT, NDRO	Raise NPV, Trustee Approved, Permian Wells
24-Jun 4-Jun	PBT, CRT	Permian BRT, Cross Timbers RT	Vote Your Proxy
	PBT, SBR, C		Proxy Voting Underway
l7-Apr			





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