A Weekly Analysis of Energy Stocks Using the McDep Ratio September 18, 2007

Downstream on Moving Average

Summary and Recommendation

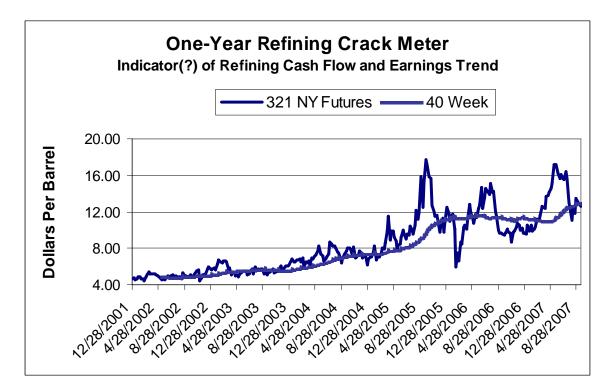
Buy recommendations that have attractively valued downstream refining/marketing businesses include the largest oil products players, **ExxonMobil (XOM)** and **Royal Dutch Shell (RDS)**. Buy-recommendations among downstream companies that may have the most potential signaled by lowest McDep Ratios are **Lukoil (LUKOY)** and 20% owner, **ConocoPhillips (COP)** (see table below). The timing seems favorable for long-term investment in clean oil products with the one-year refining crack on the 40-week average after declining from a recent peak (see chart <u>One-Year Refining Crack Meter</u>). Meanwhile any surprise downturn in the months ahead seems cushioned by low product inventories reported by the U.S. Energy Information Administration. Moreover, stocks may be priced for a long-term \$10 a barrel margin between prices for crude oil and products (McDep Ratio of 0.89 times \$11 basis for present value) compared to current one-year futures of \$13. At the same time, rising price for crude oil and catch-up potential for natural gas also imply a favorable outlook for oil and gas production, the dominant business for all the oil products players in our coverage (see chart <u>Six-Year and One-Year Natural Gas and Oil Futures</u>).

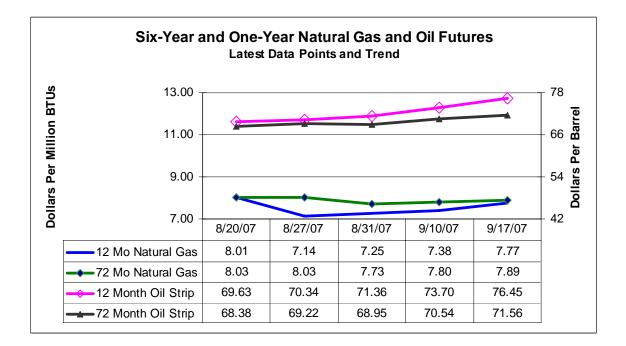
Kurt H. Wulff, CFA

Oil Products Players

		Downstream Present Value McDe		
		(US\$mm)	(%)	Ratio
Imperial Oil Limited	IMO	7,000	16	1.14
Exxon Mobil Corporation	XOM	140,000	26	0.97
Marathon Oil Corporation	MRO	23,000	42	0.93
Suncor Energy	SU	4,000	7	0.92
PetroChina Company Ltd	PTR	23,000	7	0.89
Encana Corporation	ECA	5,400	8	0.89
Total S.A.	TOT	50,000	21	0.89
Petro-Canada	PCZ	6,000	16	0.89
Chevron Corporation	CVX	66,000	26	0.88
Royal Dutch Shell plc	RDS-A	115,000	35	0.87
BP plc	BP	77,000	23	0.82
ConocoPhillips	COP	54,000	23	0.80
Lukoil Oil Company	LUKOY	29,000	28	0.64

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Oil and Gas Producers - Rank by McDep Ratio

			Price			Net		
			(US\$/sh)		Market	Present	Debt/	
	Symbol/		17-Sep	Shares	Сар	Value	Present	McDep
	2	Rating	2007	(mm)	(US\$mm)		Value	Ratio
Mega Cap	1	unng	2007	(1111)	(05\$mm)	(05\$/311)	vanc	Runo
Exxon Mobil Corporation	XOM	В	89.26	5,620	502,000	92.00	0.05	0.97
Total S.A.	ТОТ	B	77.45	2,278	176,000	89.00	0.03	0.89
Chevron Corporation	CVX	B	90.93	2,206	201,000	105.00	0.08	0.88
Royal Dutch Shell plc	RDS-A	B	80.87	3,152	255,000	94.00	0.00	0.87
BP plc	BP	B	68.32	3,192	219,000	87.00	0.16	0.82
ConocoPhillips	COP	B	84.73	1,658	141,000	112.00	0.19	0.80
Gazprom (50%)	OGZPY	B	42.19	2,855	120,500	62.00	0.07	0.70
Total or Median		D	12.17	2,000	1,615,000	02.00	0.10	0.87
Producer/Refiners - Large Cap					1,010,000		0110	0.07
Imperial Oil Limited (30%)	IMO	В	48.16	282	13,580	42.00	0.07	1.14
Norsk Hydro ASA (post Oct 1)	NHY	Н	12.81	1,241	15,900	13.00	0.12	0.99
StatoilHydro ASA (29%)	STO	В	32.15	928	29,840	35.00	0.14	0.93
Marathon Oil Corporation	MRO	Н	56.43	722	40,740	62.00	0.18	0.93
Suncor Energy	SU	В	95.88	472	45,260	105.00	0.08	0.92
PetroChina Company Ltd (10%)	PTR	В	147.31	178	26,210	166.00	0.06	0.89
Petro-Canada	PCZ	В	56.28	498	28,030	65.00	0.15	0.89
Lukoil Oil Company	LUKOY	В	75.60	832	63,000	121.00	0.03	0.64
Total or Median					263,000		0.10	0.92
Independent Natural Gas and Oil -	Large Ca	p			*			
CNOOC Limited (34%)	CEO	B	132.96	149	19,850	108.00	-	1.23
Canadian Natural Resources	CNQ		74.91	539	40,400	87.00	0.21	0.89
Encana Corporation	ECA	В	62.11	765	47,500	72.00	0.18	0.89
XTO Energy Inc.	XTO	В	60.31	390	23,520	70.00	0.15	0.88
Occidental Petroleum Corp.	OXY	В	61.03	842	51,400	77.00	0.07	0.81
Anadarko Petroleum Corp.	APC	В	50.66	467	23,700	74.00	0.35	0.80
EOG Resources	EOG	В	71.85	247	17,800	102.00	0.05	0.72
Devon Energy Corporation	DVN	В	79.94	450	36,000	129.00	0.14	0.67
Total or Median	1				260,000		0.15	0.84
Independent Natural Gas and Oil	Small Ca	р						
Berry Petroleum Company	BRY	В	36.50	45	1,640	44.00	0.23	0.87
Encore Acquisition Company	EAC	В	30.90	54	1,670	54.00	0.32	0.71
Energy Partners Ltd.	EPL	В	14.60	35	500	38.00	0.31	0.57
Cimarex Energy Company	XEC	В	37.80	85	3,210	76.00	0.09	0.54
Total or Median	!				7,000		0.27	0.64
Income								
Kinder Morgan Energy Partners, L.P	. KMP	S	49.70	179	8,880	17.00	0.53	1.91
Kinder Morgan Management, LLC	KMR	S	46.90	62	2,890	17.00	0.53	1.83
Pengrowth Energy Trust	PGH		17.08	246	4,200	17.00	0.27	1.00
Enerplus Resources Fund	ERF		44.79	128	5,730	52.00	0.12	0.88
Penn West Energy Trust	PWE	В	29.94	242	7,230	36.00	0.19	0.86
Canadian Oil Sands Trust	COSWF	В	32.40	479	15,520	39.00	0.07	0.84
San Juan Basin Royalty Trust	SJT	В	32.26	47	1,500	40.00	-	0.80
Hugoton Royalty Trust	HGT	В	24.13	40	970	34.00	-	0.71
Total or Median	!				46,900		0.16	0.87

B = Buy, S = Sell, H = Hold

Present Value = Shares times Net Present Value divided by (1-Debt/Present Value).

Debt = Present Value times Debt/Present Value

McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses

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Oil and Gas Producers - Rank by EV/Ebitda

	Symbol/ Ra	uting	Price (US\$/sh) 17-Sep 2007	Adjustd Resrvs/ Prod NTM	PV/ Ebitda NTM	EV/ Ebitda NTM	P/E NTM	Divd or Distrib NTM (%)
Mega Cap								
Gazprom (50%)	OGZPY	В	42.19	24.6	9.4	6.6	10	0.9
Exxon Mobil Corporation	XOM	В	89.26	11.7	6.6	6.4	11	1.6
Total S.A.	TOT	В	77.45	9.7	6.4	5.7	10	3.6
BP plc	BP	В	68.32	9.6	6.9	5.7	9	3.8
Chevron Corporation	CVX	В	90.93	10.1	6.1	5.3	9	2.6
ConocoPhillips	COP	В	84.73	10.3	6.4	5.1	9	1.9
Royal Dutch Shell plc	RDS-A	В	80.87	8.1	5.7	5.0	9	3.6
Mediar	ı			10.1	6.4	5.7	9	2.6
Producer/Refiners - Large Cap								
Suncor Energy	SU	В	95.88	23.8	10.4	9.6	17	0.4
Imperial Oil Limited (30%)	IMO	В	48.16	13.2	7.7	8.8	15	0.7
PetroChina Company Ltd (10%)	PTR	В	147.31	15.0	7.5	6.7	13	3.2
Norsk Hydro ASA (post Oct 1)	NHY	Н	12.81	-	6.5	6.4	10	1.4
StatoilHydro ASA (29%)	STO	В	32.15	7.7	6.0	5.6	12	5.0
Marathon Oil Corporation	MRO	Н	56.43	8.6	5.4	5.0	9	1.7
Petro-Canada	PCZ	В	56.28	6.5	5.7	5.0	10	0.9
Lukoil Oil Company	LUKOY	В	75.60	17.8	7.2	4.6	8	2.0
Mediar	ı			10.9	6.9	6.0	11	1.5
Independent Natural Gas and Oil - La	rge Cap							
CNOOC Limited (34%)	CEO	В	132.96	10.7	6.6	8.1	15	2.6
Canadian Natural Resources	CNQ		74.91	8.1	8.9	7.9	16	0.4
XTO Energy Inc.	XTO	В	60.31	11.3	8.3	7.4	13	0.8
Encana Corporation	ECA	В	62.11	9.2	7.5	6.7	13	1.3
Anadarko Petroleum Corp.	APC	В	50.66	11.2	8.1	6.5	12	1.4
EOG Resources	EOG	В	71.85	9.3	8.4	6.1	16	0.5
Occidental Petroleum Corp.	OXY	В	61.03	11.5	6.9	5.6	11	1.6
Devon Energy Corporation	DVN	В	79.94	9.0	8.2	5.5	11	0.7
Mediar		Б	77.71	10.0	8.2	6.6	13	1.0
Independent Natural Gas and Oil - Small Cap				10.0	0.2	0.0	10	1.0
Berry Petroleum Company	BRY	В	36.50	10.2	8.7	7.5	15	0.8
Encore Acquisition Company	EAC	B	30.90	15.5	8.7	6.2	16	-
Cimarex Energy Company	XEC	В	37.80	8.0	7.3	4.0	10	0.4
Energy Partners Ltd.	EPL	B	14.60	5.9	6.1	3.5	10	-
Mediar		Б	11.00	9.1	8.0	5.1	15	0.2
Income				2.1	0.0	5.1	15	0.2
Kinder Morgan Energy Partners, L.P.	KMP	S	49.70		8.0	15.3	34	6.8
Kinder Morgan Management, LLC	KMR	S	46.90		8.0	14.6	32	7.2
San Juan Basin Royalty Trust	SJT	B	32.26	10.0	13.4	10.7	13	7.4
Hugoton Royalty Trust	HGT	B	24.13	14.1	12.4	8.9	13	7.8
Canadian Oil Sands Trust	COSWF	B	32.40	20.9	10.2	8.6	11	9.4
Enerplus Resources Fund	ERF	D	32.40 44.79	20.9 9.4	9.0	8.0 7.9	16	10.7
Pengrowth Energy Trust	PGH		44.79 17.08	9.4 7.1	9.0 7.7	7.9	43	16.7
Penn West Energy Trust	PWE	В	29.94	7.1	7.9	6.8	43 14	10.7
Mediar		Б	27.74	9.7	8.5	0.8 8.7	14	8.6
Mealar	ı			9.1	0.5	0.7	15	0.0

EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciationand amortization; NTM = Next Twelve Months Ended September 30, 2008; P/E = Stock Price toEarnings; PV = Present Value of oil and gas and other businesses

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Index of Recent Research

Stock Ideas

Date	<u>Symbol</u>	<u>Stock</u>	Theme
12-Sep	LUKOY	Lukoil Oil Company	Emerging Oil Blue Chip
6-Sep	SJT	San Juan Basin Royalty Trust	Mountains and Valleys
5-Sep	COSWF	Canadian Oil Sands Trust	Record 375,000 Barrels Daily for August
29-Aug	CEO	CNOOC Ltd	Making Money Offshore China
23-Aug	PTR	PetroChina Company Limited	Price Controls Ease in 2007 Half
8-Aug	* EPL	Energy Partners, Ltd.	Oversold
3-Aug	* EOG	EOG Resources Inc.	Natural Gas with North Dakota Oil
3-Aug	* PWE	Penn West Energy Trust	High Return from Distributions
3-Aug	* IMO	Imperial Oil Limited	High Return from Stock Repurchase
2-Aug	* TOT	Total S.A.	Constructive Russo-French Interpendence
2-Aug	* BRY	Berry Petroleum	Rocky Mountain Constraints
1-Aug	* XEC	Cimarex Energy Company	Stable Volume
1-Aug	* DVN	Devon Energy Corporation	Volume Advances
1-Aug	* EAC	Encore Acquisition	Nice to be Oily
31-Jul	* MRO	Marathon Oil Corporation	Oil Sands Acquirer
31-Jul	* APC	Anadarko Petroleum Corporation	Transition Maturing
30-Jul	* STO	Statoil ASA	Norwegian Oil and Gas Champion
27-Jul	* CVX	Chevron Corporation	Oil and Downstream Vigor
26-Jul	* SU	Suncor Energy	Oil Sands Growth Stock
26-Jul	* XOM	Exxon Mobil Corporation	Steady Strength
26-Jul	* PCZ	Petro-Canada	Raise NPV to US\$65 a Share
26-Jul	* RDSA	Royal Dutch Shell plc	Downstream Benefit
25-Jul	* ECA	EnCana Corporation	Downstream Blessing
25-Jul	* COP	ConocoPhillips	Downstream Blessing
25-Jul	* BP	BP p.l.c.	Controversy Diminishing
24-Jul	* XTO	XTO Energy Inc.	Volume Growth in Underpriced Natual Gas
24-Jul	* OXY	Occidental Petroleum Corporation	Ready for Peak Oil Test
24-Jul	* NHY	Norsk Hydro ASA	Confidence in Aluminium
23-Jul	* HGT	Hugoton Royalty Trust	Paying Unitholders to Wait
19-Jul	* KMx	Kinder Morgan	Suggestions for New General Partner Owners
29-Jun	* OGZPY	Gazprom	Raise NPV to \$62 a Share

Meter Reader - A Weekly Analysis

18-Sep		Downstream on Moving Average
11-Sep		China Natural Gas Price Breakthrough
4-Sep	*	Oil Looking Up
14-Aug	*	Refresh and Reload

Natural Gas and Oil Royalty Trusts - A Weekly Analysis

7-Sep		Poised to Win
17-Aug	*	Buy Systematically
10-Aug	*	Real Assets for a Time of Financial Turmoil
6-Aug	*	Seymour Schulich's Book

* Archived on www.mcdep.com