



# Meter Reader

A Weekly Analysis of Large Cap Oil and Gas Stocks

August 28, 2012

## PetroChina (PTR) Pent-Up Profits

<i>Symbol</i>	PTR	<i>Ebitda Next Twelve Months ending 6/30/13 (US\$m)</i>	68,000
<i>Rating</i>	Contrarian Buy	<i>North American Natural Gas/Ebitda (%)</i>	0
<i>Price (US\$/sh)</i>	121.80	<i>Natural Gas and Oil Production/Ebitda (%)</i>	91
<i>Pricing Date</i>	8/27/12	<i>Adjusted Reserves/Production NTM</i>	13.1
<i>Shares (mm)</i>	1830	<i>EV/Ebitda</i>	4.6
<i>Market Capitalization (US\$m)</i>	223,000	<i>PV/Ebitda</i>	7.0
<i>Debt (US\$m)</i>	86,000	<i>Undeveloped Reserves (%)</i>	42
<i>Enterprise Value (EV) (US\$m)</i>	309,000	<i>Natural Gas and Oil Ebitda (US\$/boe)</i>	45.67
<i>Present Value (PV) (US\$m)</i>	470,000	<i>Present Value Proven Reserves(US\$/boe)</i>	19.17
<i>Net Present Value (US\$/share)</i>	210	<i>Present Value Proven Reserves(US\$/mcfe)</i>	3.20
<i>Debt/Present Value</i>	0.18	<i>Earnings Next Twelve Months (US\$/sh)</i>	14.47
<i>McDep Ratio - EV/PV</i>	0.66	<i>Price/Earnings Next Twelve Months</i>	8
<i>Dividend Yield (%/year)</i>	4.1	<i>Indicated Annual Dividend (US\$/sh)</i>	4.99
Note: Estimated cash flow and earnings tied to one-year futures prices for oil.			
Reported results may vary widely from estimates. Estimated present value per share revised only infrequently.			
The Peoples Republic of China holds 86% of the outstanding shares.			
Estimated present value presumes a long-term price for oil of US\$100 a barrel.			
For historical analysis of PTR since 2001 see <a href="http://www.mcdep.com/3ptr.htm">www.mcdep.com/3ptr.htm</a>			

### Summary and Recommendation

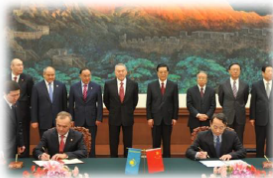
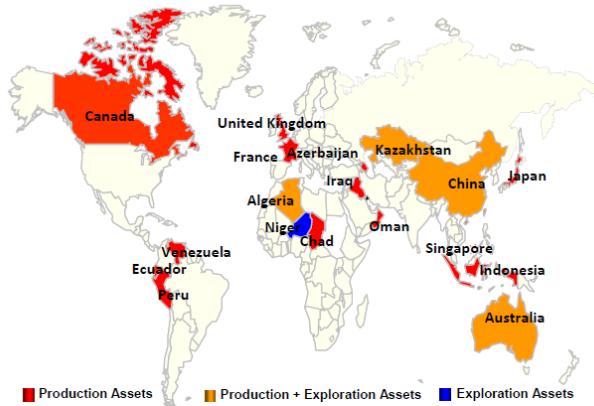
A generational change in political leadership in China expected in November may lead to more market-oriented energy policy and better profits for Contrarian Buy-recommended **PetroChina (PTR)**. Estimated Net Present Value (NPV) of \$210 a share illustrates the upside (see table [Functional Cash Flow and Present Value](#) on page 2). A 4% dividend yield and low 4.6 unlevered cash flow multiple (EV/Ebitda) protect investors on the downside. Profitable crude oil production contributes practically all of current profits. Yet, losses continue in downstream operations according to latest quarterly results released on August 23, mainly due to price controls on refined products and natural gas (see table [Next Twelve Months Operating and Financial Estimates](#) on page 3). For example, the company recovered only about half of the cost of rapidly growing imports of liquefied natural gas. At the very least, controlled prices would allow greater downstream profits to offset downward pressure on crude oil price should that occur. More likely, controlled domestic prices drive up demand and global crude oil price while penalizing the ability of domestic companies, like PetroChina, to invest in the development of new supply. In addition to domestic sources, PTR produced 9% of its oil and gas overseas in the first half of 2012, including oil in Iraq (see slide [Overseas](#) on page 2). In Canada, PTR announced in May 2012 a 20% interest in Royal Dutch Shell's Kitimat LNG project after a \$5 billion natural gas deal with Encana fell through last year. Finally, among other valuation measures PTR's debt is low at 0.18, reserve life is longer at 13 years and the stock is out of favor at a price below its 200-day average (see [Tables 1-4](#) on pages 4-7)

Kurt H. Wulff, CFA

## Overseas Business Maintained Stable Growth



### Overseas Oil & Gas Exploration & Production Areas



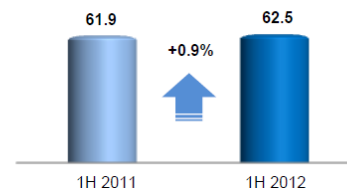
China Signed New Cooperation Agreement With Kazakhstan



First Phase Installations of Halfaya Oilfield Centralization Treatment Station

### Overseas Oil & Gas Net Production

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- Production of the Rumaila project in Iraq exceeded production target, and construction of the first phase of the Halfaya project achieved our initial commercial production output 15 months ahead of schedule
- Achieved new oil & gas exploration breakthroughs in Nepal and Chad, and expanded the resource basis of scale production
- Proactively promoted strategic cooperation with large international oil companies and resource-rich countries. Remarkable achievements have been made in the development of new projects

**Energize·Harmonize·Realize**

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PetroChina					
Functional Cash Flow and Present Value					
	<i>NTM Ebitda</i>	<i>Adjusted</i>	<i>PV/</i>	<i>Present</i>	
	<i>(US\$mm)</i>	<i>R/P</i>	<i>Ebitda</i>	<i>Value</i>	
				<i>(US\$mm)</i>	
Natural Gas	8,100	18.7	8.6	70,000	15%
Oil	53,200	10.3	6.8	360,000	77%
Downstream	6,300		6.3	40,000	9%
	67,600	13.1	7.0	470,000	100%
Debt (US\$mm)					86,000
Net Present Value (US\$mm)					384,000
Shares (mm)					1,830
Net Present Value - Standard Estimate (US\$/sh)					210
NPV Approximation by Cash Flow Multiple Depending on Reserve Life (US\$/sh)					241



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PetroChina Company Limited									
Next Twelve Months Operating and Financial Estimates									
	Q2	Year	Q1	Q2	Q3E	Q4E	Year	Q2E	Next
	6/30/11	2011	3/31/12	6/30/12	9/30/12	12/31/12	2012E	6/30/13	Twelve
									6/30/13
<b>Volume</b>									
Natural gas (bcf)	547	2,396	711	581	582	701	2,575	616	2,644
Natural Gas (mmcf)	6,008	6,564	7,812	6,386	6,325	7,616	7,034	6,769	7,243
Days	91	365	91	91	92	92	366	91	365
Oil (mmb)	227	886	227	225	227	227	907	225	902
Oil (mbd)	2,493	2,427	2,495	2,473	2,473	2,473	2,478	2,473	2,473
Total gas & oil (mmb)	318	1,285	345	322	324	344	1,336	328	1,343
Total gas & oil (mbd)	3,495	3,521	3,797	3,537	3,527	3,742	3,650	3,601	3,680
<b>Price</b>									
Natural gas (\$/mcf)									
Henry Hub (\$/mmbtu)	4.32	4.04	2.73	2.21	2.81	2.89	2.66	3.33	3.08
Company	4.79	5.33	4.87	5.00	5.11	6.81	5.48	5.00	5.47
Oil (\$/bbl)									
WTI Cushing	102.55	95.12	102.93	93.32	92.57	95.99	96.20	97.03	95.66
Company	111.01	104.20	105.48	110.50	101.82	105.59	105.84	106.75	105.22
Total gas & oil (\$/bbl)	87.45	81.75	79.33	86.28	80.55	83.63	82.41	82.70	81.46
NY Harbor 3-2-1 (\$/bbl)	27.68	25.56	24.31	30.77	31.15	27.90	28.53	25.97	27.09
<b>Revenue (\$mm)</b>									
Natural Gas	2,621	12,759	3,462	2,906	2,973	4,771	14,112	3,080	14,454
Oil	25,189	92,321	23,944	24,863	23,162	24,018	95,987	24,019	94,956
Total	27,811	105,081	27,406	27,769	26,135	28,789	110,099	27,099	109,410
RMB/\$US	6.50	6.46	6.31	6.36	6.36	6.36	6.35	6.36	6.36
Total Upstream (RMB)	180,769	678,878	172,932	176,605	166,219	183,093	698,849	172,346	695,834
Other (Downstream)	325,498	1,293,297	352,715	344,409	344,409	344,409	1,385,942	344,409	1,377,636
Total Revenue (RMB)	506,267	2,003,843	525,647	521,014	510,628	527,502	2,084,791	516,755	2,073,470
<b>Expense</b>	417,380	1,643,410	422,599	441,613	407,436	414,849	1,686,497	410,128	1,643,344
<b>Ebitda (RMB)</b>									
Exploration and Production	82,341	372,030	91,818	80,195	93,192	102,653	367,858	96,627	390,126
Other	6,546	(11,598)	11,230	(794)	10,000	10,000	30,436	10,000	40,000
Total	88,887	360,433	103,048	79,401	103,192	112,653	398,294	106,627	430,126
Exploration	10,403	23,908	5,710	8,195	8,195	8,195	30,295	8,195	32,780
Deprec., Deplet., & Amort.	35,237	138,073	38,941	35,105	35,105	35,105	144,256	35,105	140,420
Other non cash		-					-		-
<b>Ebit</b>	43,247	198,452	58,397	36,101	59,892	69,353	223,743	63,327	256,926
Interest	2,311	10,886	3,497	4,076	4,076	4,076	15,725	4,076	16,304
<b>Ebt</b>	40,936	187,566	54,900	32,025	55,816	65,277	208,018	59,251	240,622
Income Tax	11,656	53,573	16,470	6,405	16,745	19,583	59,203	17,775	72,186
<b>Net Income (RMB)</b>									
Exploration and Production	57,819	219,539	60,376	53,416					
Other	(7,546)	(37,078)	(2,752)	(14,485)					
Unallocated	(20,993)	(48,468)	(19,194)	(13,311)					
Total	29,280	133,993	38,430	25,620	39,071	45,694	148,815	41,476	168,435
<b>Shares (millions)</b>	1,830	1,830	1,830	1,830	1,830	1,830	1,830	1,830	1,830
Earnings per share (RMB)	16	73	21	14	21	25	81	23	92
Ebitda Margin (E&P)	46%	55%	53%	45%	56%	56%	53%	56%	56%
Tax Rate	28%	29%	30%	20%	30%	30%	28%	30%	30%



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<b>Table 1</b>										
<b>McDep Large Cap Energy Stocks</b>										
<b>Geographic Domicile and Business Segments</b>										
					<i>Present Value by Segment (%)</i>					
		<i>Price</i>		<i>Enterprise</i>	<i>North</i>	<i>Rest</i>				
	<i>Symbol/Rating</i>	<i>(US\$/sh)</i>	<i>EV/</i>	<i>Value</i>	<i>Amer.</i>	<i>of World</i>				
	<i>B = Buy, CB (see below)</i>	<i>27-Aug</i>	<i>Market</i>	<i>(\$mm)</i>	<i>Natural</i>	<i>Natural</i>	<i>Oil</i>	<i>Down-</i>	<i>McDep</i>	
		<i>2012</i>	<i>Cap</i>		<i>Gas</i>	<i>Gas</i>	<i>Prod'n</i>	<i>stream</i>	<i>Ratio</i>	
<b>U.S. and Europe Integrated</b>										
BG Group	BRGYY	20.41	1.24	86,100		24	42	34	0.98	
Exxon Mobil Corporation	XOM B	87.74	1.17	477,000	7	20	56	16	0.82	
Royal Dutch Shell plc	RDS-A B	70.16	1.27	278,000	3	22	56	19	0.74	
Chevron Corporation	CVX B	111.73	1.12	247,000	3	11	76	10	0.68	
Statoil ASA (33%)	STO CB	25.31	1.49	39,700		35	65	-	0.67	
BP plc	BP	42.20	1.64	222,000	4	8	63	25	0.62	
Total S.A.	TOT B	49.20	1.38	154,000		22	63	14	0.57	
<i>Total or Median</i>				<i>1,504,000</i>			<i>63</i>		<i>0.68</i>	
<b>Brazil/Russia/Australia/China</b>										
Woodside Petroleum Ltd.	WOPEY	36.69	1.26	37,000		69	31	-	0.85	
CNOOC Limited (36%)	CEO	189.16	1.02	31,100		9	91	-	0.76	
PetroChina Company Ltd (14%)	PTR CB	121.80	1.39	43,200		15	77	9	0.66	
Petrobras	PBR CB	21.67	1.54	217,000		5	81	14	0.59	
Gazprom (50%)	OGZPY CB	9.72	1.34	75,000		11	13	76	0.42	
Lukoil Oil Company	LUKOY B	58.76	1.01	47,100			71	29	0.39	
<i>Total or Median</i>				<i>450,000</i>			<i>74</i>		<i>0.62</i>	
<b>U.S. Independent</b>										
EOG Resources, Inc.	EOG B	109.17	1.20	35,300	32	4	64	-	0.86	
Chesapeake Energy Corp.	CHK	19.30	2.44	35,400	64		36	-	0.86	
Southwestern Energy Company	SWN	31.90	1.16	12,900	100			-	0.82	
Anadarko Petroleum Corp.	APC	68.77	1.49	51,200	34		63	3	0.77	
Occidental Petroleum Corp.	OXY CB	87.50	1.13	80,000	8	1	81	10	0.75	
ConocoPhillips	COP CB	56.38	1.56	109,000	13	13	74	-	0.69	
Devon Energy Corporation	DVN CB	60.20	1.35	32,800	46		54	-	0.66	
Marathon Oil Corporation	MRO CB	27.62	1.45	28,500	7	3	90	-	0.60	
<i>Total or Median</i>				<i>385,000</i>			<i>64</i>		<i>0.76</i>	
<b>Canada</b>										
Penn West Exploration	PWE	14.61	1.66	11,600	18		82	-	0.83	
Imperial Oil Limited (30%)	IMO B	46.72	1.17	14,000	2		84	14	0.78	
EnCana Energy Inc.	CVE CB	32.84	1.29	32,200	11		73	16	0.74	
EnCana Corporation	ECA B	22.26	1.51	24,800	86		14	-	0.70	
Suncor Energy	SU B	31.69	1.29	63,500	2		80	18	0.56	
Canadian Oil Sands Limited	COSWF B	21.86	1.22	12,900			100	-	0.54	
<i>Total or Median</i>				<i>159,000</i>			<i>81</i>		<i>0.72</i>	
<b>Composite</b>				<b>2,498,000</b>	<b>8</b>	<b>14</b>	<b>63</b>	<b>16</b>	<b>0.68</b>	

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



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			Price (US\$/sh)	Shares	Market Cap (US\$mm)	Net Present Value (US\$/sh)	Debt/ Present Value	McDep Ratio
	Symbol/Rating		27-Aug 2012	(mm)				
B = Buy, CB (see below)								
<b>U.S. and Europe Integrated</b>								
BG Group plc	BRGYY		20.41	3,415	69,700	21.00	0.19	0.98
Exxon Mobil Corporation	XOM	B	87.74	4,657	409,000	110.00	0.12	0.82
Royal Dutch Shell plc	RDS-A	B	70.16	3,133	220,000	102.00	0.15	0.74
Chevron Corporation	CVX	B	111.73	1,968	220,000	170.00	0.07	0.68
Statoil ASA (33%)	STO	CB	25.31	1,050	26,600	44.00	0.22	0.67
BP plc	BP		42.20	3,214	136,000	84.00	0.24	0.62
Total S.A.	TOT	B	49.20	2,264	111,000	100.00	0.16	0.57
<i>Total or Median</i>					<i>1,192,000</i>		<i>0.16</i>	<i>0.68</i>
<b>Brazil/Russia/Australia/China</b>								
Woodside Petroleum Ltd.	WOPEY		36.69	797	29,200	45.00	0.17	0.85
CNOOC Limited (36%)	CEO		189.16	161	30,400	250.00	0.02	0.76
PetroChina Company Ltd (14%)	PTR	CB	121.80	256	31,200	210.00	0.18	0.66
Petrobras	PBR	CB	21.67	6,522	141,300	45.00	0.21	0.59
Gazprom (50%)	OGZPY	CB	9.72	5,750	55,900	28.00	0.10	0.42
Lukoil Oil Company	LUKOY	B	58.76	794	46,700	150.00	0.00	0.39
<i>Total or Median</i>					<i>335,000</i>		<i>0.14</i>	<i>0.62</i>
<b>U.S. Independent</b>								
EOG Resources, Inc.	EOG	B	109.17	270	29,500	130.00	0.14	0.86
Chesapeake Energy Corp.	CHK		19.30	753	14,500	27.00	0.51	0.86
Southwestern Energy Company	SWN		31.90	348	11,100	40.00	0.11	0.82
Anadarko Petroleum Corp.	APC		68.77	500	34,400	100.00	0.25	0.77
Occidental Petroleum Corp.	OXY	CB	87.50	811	71,000	120.00	0.08	0.75
ConocoPhillips	COP	CB	56.38	1,236	70,000	96.00	0.25	0.69
Devon Energy Corporation	DVN	CB	60.20	405	24,400	102.00	0.17	0.66
Marathon Oil Corporation	MRO	CB	27.62	709	19,580	54.00	0.19	0.60
<i>Total or Median</i>					<i>274,500</i>		<i>0.18</i>	<i>0.76</i>
<b>Canada</b>								
Penn West Exploration	PWE		14.61	473	7,000	20.00	0.33	0.83
Imperial Oil Limited (30%)	IMO	B	46.72	256	11,900	62.00	0.11	0.78
Cenovus Energy Inc.	CVE	CB	32.84	758	24,900	48.00	0.17	0.74
EnCana Corporation	ECA	B	22.26	736	16,400	37.00	0.24	0.70
Suncor Energy	SU	B	31.69	1,558	49,400	64.00	0.12	0.56
Canadian Oil Sands Limited	COSWF	B	21.86	485	10,600	45.00	0.10	0.54
<i>Total or Median</i>					<i>120,000</i>		<i>0.15</i>	<i>0.72</i>

CB=Contrarian Buy, Stock Price may in downtrend compared to 200-day average.  
 McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses  
 Estimated present value presumes a long-term price for oil of US\$100 a barrel and natural gas, \$6 a million btu.



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			<i>Price (US\$/sh) 27-Aug 2012</i>	<i>Adjustd Resrvs/ Prod NTM</i>	<i>PV/ Ebitda NTM</i>	<i>EV/ Ebitda NTM</i>	<i>P/E NTM</i>	<i>Dividend NTM (%)</i>
<i>Symbol/Rating</i>								
<i>B = Buy, CB (see below)</i>								
<b>U.S. and Europe Integrated</b>								
BG Group plc	BRGY		20.41	8.9	7.7	7.5	14	1.2
Exxon Mobil Corporation	XOM	B	87.74	13.1	7.9	6.5	11	2.6
Royal Dutch Shell plc	RDS-A	B	70.16	10.1	7.0	5.2	10	4.9
BP plc	BP		42.20	11.4	8.3	5.2	7	4.5
Chevron Corporation	CVX	B	111.73	9.2	7.2	4.9	10	3.2
Total S.A.	TOT	B	49.20	10.2	7.8	4.5	8	6.0
Statoil ASA (33%)	STO	CB	25.31	6.3	6.3	4.2	8	4.2
	<i>Median</i>			<i>10.1</i>	<i>7.7</i>	<i>5.2</i>	<i>10</i>	<i>4.2</i>
<b>Brazil/Russia/Australia/China</b>								
Woodside Petroleum Ltd.	WOPEY		36.69	13.2	8.7	7.4	11	3.0
Petrobras	PBR	CB	21.67	13.1	8.2	4.8	7	4.8
PetroChina Company Ltd (14%)	PTR	CB	121.80	13.1	7.0	4.6	8	4.1
CNOOC Limited (36%)	CEO		189.16	6.9	5.6	4.2	8	3.6
Gazprom (50%)	OGZPY	CB	9.72	31.2	5.7	2.4	3	5.8
Lukoil Oil Company	LUKOY	B	58.76	16.3	5.6	2.2	4	4.0
	<i>Median</i>			<i>13.2</i>	<i>6.3</i>	<i>4.4</i>	<i>7</i>	<i>4.0</i>
<b>U.S. Independent</b>								
Southwestern Energy Company	SWN		31.90	7.5	16.5	13.6	26	-
Chesapeake Energy Corp.	CHK		19.30	9.8	10.6	9.1	17	1.8
EOG Resources, Inc.	EOG	B	109.17	9.2	7.6	6.5	26	0.6
Anadarko Petroleum Corp.	APC		68.77	8.3	7.9	6.0	20	0.5
Devon Energy Corporation	DVN	CB	60.20	9.9	9.0	5.9	17	1.3
Occidental Petroleum Corp.	OXY	CB	87.50	10.0	7.6	5.7	12	2.5
ConocoPhillips	COP	CB	56.38	12.7	8.3	5.7	10	4.7
Marathon Oil Corporation	MRO	CB	27.62	9.7	6.8	4.1	8	2.5
	<i>Median</i>			<i>9.8</i>	<i>8.1</i>	<i>6.0</i>	<i>17</i>	<i>1.6</i>
<b>Canada</b>								
EnCana Corporation	ECA	B	22.26	8.8	16.2	11.3		3.6
Imperial Oil Limited (30%)	IMO	B	46.72	36.9	11.6	9.1	12	1.0
Penn West Exploration	PWE		14.61	7.3	8.7	7.2	19	7.5
Cenovus Energy Inc.	CVE	CB	32.84	13.1	9.2	6.8	16	2.7
Canadian Oil Sands Limited	COSWF	B	21.86	19.4	11.4	6.1	9	6.5
Suncor Energy	SU	B	31.69	17.1	9.4	5.3	14	1.7
	<i>Median</i>			<i>15.1</i>	<i>10.4</i>	<i>7.0</i>	<i>14</i>	<i>3.1</i>
CB=Contrarian Buy, Stock Price may be 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 June 30, 2013; P/E = Stock Price to Earnings; PV = Present Value of oil and gas and other businesses								



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			Price (\$/sh)	Enterprise Value/					
	Symbol	Rating	27-Aug 2012	52Wk High	52Wk Low	50 Day Avg.	200 Day Avg.	McDep Ratio	
<b>U.S. and Europe Integrated</b>									
	Chevron Corporation	CVX	B	111.73	0.98	1.25	1.03	1.05	0.68
	Exxon Mobil Corporation	XOM	B	87.74	0.99	1.24	1.02	1.04	0.82
	Royal Dutch Shell plc	RDS-A	B	70.16	0.95	1.16	1.02	1.01	0.74
	Total S.A.	TOT	B	49.20	0.90	1.16	1.05	1.00	0.57
	Statoil ASA (33%)	STO	CB	25.31	0.91	1.15	1.03	1.00	0.67
	BP plc	BP		42.20	0.92	1.14	1.02	1.00	0.62
	BG Group plc	BRGY		20.41	0.85	1.13	1.01	0.96	0.98
	<i>Median</i>				0.92	1.16	1.02	1.00	0.68
<b>Brazil/Russia/Australia/China</b>									
	Woodside Petroleum Ltd.	WOPEY		36.69	0.91	1.20	1.06	1.05	0.85
	Lukoil Oil Company	LUKOY	B	58.76	0.90	1.27	1.04	1.03	0.39
	CNOOC Limited (36%)	CEO		189.16	0.81	1.33	0.96	0.95	0.76
	PetroChina Company Ltd (14%)	PTR	CB	121.80	0.84	1.07	0.98	0.93	0.66
	Petrobras	PBR	CB	21.67	0.75	1.15	1.05	0.92	0.59
	Gazprom (50%)	OGZPY	CB	9.72	0.77	1.10	1.02	0.92	0.42
	<i>Median</i>				0.83	1.17	1.03	0.94	0.62
<b>U.S. Independent</b>									
	EOG Resources, Inc.	EOG	B	109.17	0.92	1.48	1.09	1.05	0.86
	Southwestern Energy Company	SWN		31.90	0.75	1.20	1.01	1.00	0.82
	Marathon Oil Corporation	MRO	CB	27.62	0.84	1.27	1.04	0.98	0.60
	Chesapeake Energy Corp.	CHK		19.30	0.76	1.15	1.01	0.97	0.86
	Occidental Petroleum Corp.	OXY	CB	87.50	0.84	1.27	1.01	0.96	0.75
	Devon Energy Corporation	DVN	CB	60.20	0.83	1.13	1.03	0.96	0.66
	Anadarko Petroleum Corp.	APC		68.77	0.84	1.14	1.01	0.95	0.77
	ConocoPhillips	COP	CB	56.38					0.69
	<i>Median</i>				0.84	1.20	1.01	0.97	0.76
<b>Canada</b>									
	EnCana Corporation	ECA	B	22.26	0.91	1.18	1.04	1.08	0.70
	Imperial Oil Limited (30%)	IMO	B	46.72	0.95	1.36	1.07	1.05	0.78
	Canadian Oil Sands Limited	COSWF	B	21.87	0.89	1.22	1.08	1.02	0.54
	Suncor Energy	SU	B	31.69	0.88	1.29	1.04	1.02	0.56
	Cenovus Energy Inc.	CVE	CB	32.84	0.86	1.15	1.02	0.98	0.74
	Penn West Exploration	PWE		14.61	0.77	1.12	1.05	0.91	0.83
	<i>Median</i>				0.88	1.20	1.05	1.02	0.72

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



# Meter Reader

A Weekly Analysis of Large Cap Oil and Gas Stocks

August 28, 2012

<b>Index of Recent Research</b>			
<b>Stock Ideas</b>			
<i>Date</i>	<i>Symbol</i>	<i>Subject</i>	<i>Theme</i>
24-Aug	HGT	Hugoton Royalty Trust	Highest Return for the Next Year (Income and Small Cap Weekly)
21-Aug	TOT	Total	Buy \$100 NPV for \$50 Stock Price (Meter Reader)
17-Aug	HK	Halcón Resources	Billion Barrel Resource Potential (Income and Small Cap Weekly)
14-Aug	APC	Anadarko Petroleum	Raise NPV to \$100 as Growth Trumps Legal Issues (Meter Reader)
10-Aug	CLR	Continental Resources	Bakken Billions (ISCW)
7-Aug	SU	Suncor Energy	New CEO, New Focus on Shareholder Return (Meter Reader)
3-Aug	XEC	Cimarex Energy	West Texas Wolfcamp Shale Oil (ISCW)
31-Jul	OXY	Occidental Petroleum	California Oil Growth Accelerates (Meter Reader)
30-Jul	COSWF	Canadian Oil Sands Limited	Robust Volume Outlook
27-Jul	RRC	Range Resources	Oil-Enhanced Natural Gas Growth (ISCW)
24-Jul	CEO	CNOOC Ltd.	60% Premium in \$21 Billion Deal (Meter Reader)
20-Jul	BRY	Berry Petroleum	Momentum Resuming (Income and Small Cap Weekly)
17-Jul	XOM	Exxon Mobil	Low U.S. Energy Price Outperformer (Meter Reader)
10-Jul	MRO	Marathon Oil	Shale Growth, Dollar Hedge (Meter Reader)
3-Jul	OGZPY	Gazprom	Dividend Double Approved (Meter Reader)
26-Jun	STO	Statoil	Financially Strong Norse Explorers (Meter Reader)
19-Jun	CVE	Cenovus	Deep Oil Sands Growth at Lower Price (Meter Reader)
12-Jun	PBR	Petrobras	Deep Water Oil Growth, Lower NPV to \$45 (Meter Reader)
12-Jun	BRGY	BG Group	Lower NPV to \$21 (6/12/12 Meter Reader, page 2)
13-Jun	ERF	Enerplus Corporation	Dividend Reduced by Half
8-Jun	SJT	San Juan Basin Royalty Trust	Price Decline Action in SJT and Royalty Trusts (ISCW)
5-Jun	WOPEY	Woodside Petroleum Ltd.	Pluto LNG Delivering (Meter Reader)
25-May	HGT	Hugoton Royalty Trust	HGT Bargain (Income and Small Cap Weekly)
18-May	BIREF	Birchcliff Energy	Contrarian Buy at Lower NPV (Income and Small Cap Weekly)
15-May	EOG	EOG Resources	Raise NPV to \$130 a Share on Oil Volume (Meter Reader)
11-May	DMLP	Dorchester Minerals, L.P.	Rising Oil Production (Income and Small Cap Wkly)
8-May	ECA	Encana	Long-Term Natural Gas Appeal (Meter Reader)
4-May	WLL	Whiting Petroleum	Oil Price Discount Narrows (Income and Small Cap Weekly)
1-May	RDS	Royal Dutch Shell	LNG and GTL Profit Gains (Meter Reader)
17-Apr	COP	ConocoPhillips	Largest North American Independent Producer Debut (MR)
10-Apr	DVN	Devon Energy	Shale Oil Excitement at a Favorite Value Stock (Meter Reader)
3-Apr	PTR	PetroChina	Global Growth in Oil and Gas (Meter Reader)
20-Mar	CVX	Chevron	Investing in Australian LNG for Growth (Meter Reader)
6-Mar	IMO	Imperial Oil	Kearl Startup Late This Year (Meter Reader)
For historical research by stock, go to <a href="http://mcdep.com">mcdep.com</a> , click on <a href="#">Stock Ideas</a> , click on stock by name.			
<b>Meter Reader</b>			
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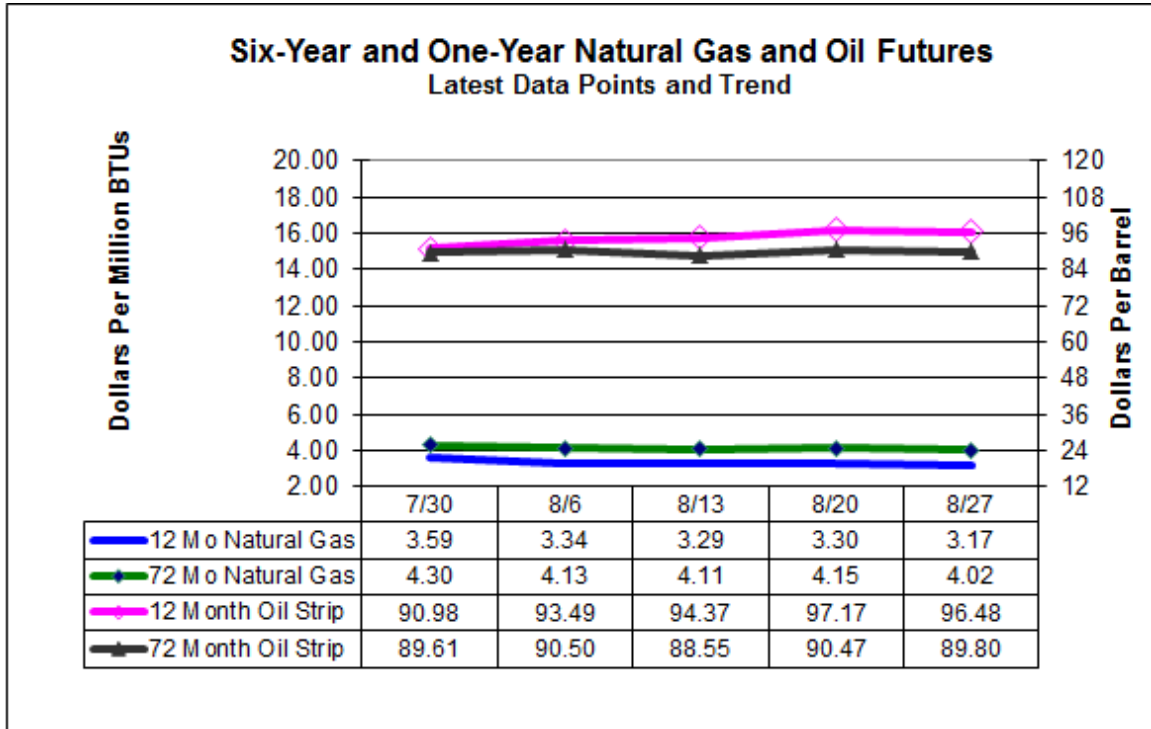




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