

## Long-Life Resources in Canada

## **Summary and Recommendation**

Canada offers some of the world's most accessible, large scale resource opportunities that investors can capture in two pure play buy recommendations – **Encana (ECA)** in natural gas and **Canadian Oil Sands Trust (COSWF)** in oil. Four additional buy recommendations concentrated on oil, **Canadian Natural Resources (CNQ), Cenovus Energy (CVE), Imperial Oil (IMO)** and **Suncor Energy (SU)**, offer similar appeal. The stocks trade close to the 200-day average except SU, which is below and CVE, which has not yet traded for 200 days. Oil price measured by six-year futures at \$84 a barrel is close to the 40-week average of \$86 (see charts on page 2, <u>Six-Year Commodity Price Meter</u> and <u>Six-Year and One-Year Natural Gas and Oil</u> <u>Futures</u>). At a median McDep Ratio of 0.79, the six large cap Canadian buys are undervalued by our analysis at any long-term oil price above \$59 a barrel.

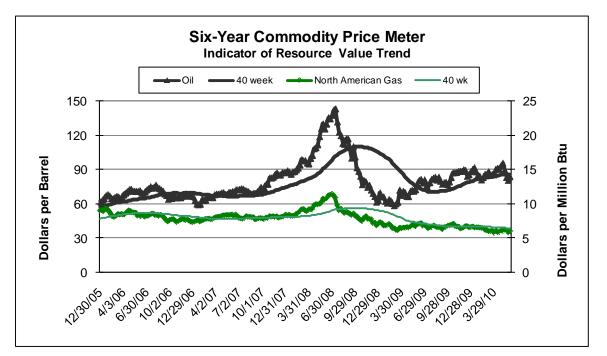
Respected corporate buyers are validating the undervaluation signaled by the McDep Ratio, a sign of expected gains in resource value. Buying assets similar to those held by ECA, **ExxonMobil (XOM)** expects to complete its acquisition of natural gas producer XTO Energy this month while **Royal Dutch Shell (RDS)** announced a \$5 billion acquisition of a private shale gas company last month. Sinopec, the second largest oil company in China will likely soon close its acquisition of a 9% interest in the Syncrude oil sands mine and upgrader owned 37% by COSWF, 25% by IMO and 12% by SU. There are few countries in the world where large companies have access to long-life resources on better terms than in buy-recommended Canadian oil and gas producers.

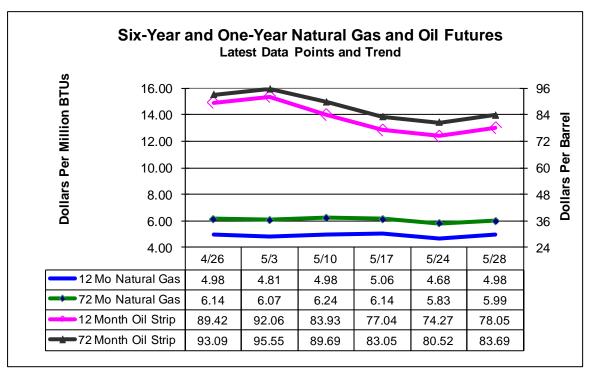
Today we raise our estimate of Net Present Value (NPV) of CVE to US\$37 a share from \$32 to take account of probable reserves now allowed to be disclosed voluntarily under the regulations of the U.S. Securities and Exchange Commission. Higher NPV reduces McDep Ratio to rank CVE in line with peer companies at 0.78 within a range of 0.70-0.81 (see Tables 1-2 on pages 3-4). A tight range in McDep Ratio matches a tight range in cash flow multiples, EV/Ebitda and PV/Ebitda (see Table 3 on page 5).

Long life ranges from 17-31 years as measured by adjusted reserves (proven plus half of probable) divided by next twelve months production. IMO is the only remaining exception to including probable reserves for Canadian companies in our analysis. Our brief emphasis on high-probability contingent resources for Encana has been replaced by probable reserves of nearly the same magnitude. Latest company models provide further insight by business segment (see tables on pages 6-7, <u>Functional Cash Flow and Present Value</u>).

Kurt H. Wulff, CFA









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	a		-	0.						
	Geogr	aphic	e Domic	cile and	l Busines	s Segn	ients			
						Prosor	t Value by	Seamen	t (%)	
			Price			North	Rest	Segment	( / 0)	
			(US\$/sh)	EV/	Enterprise	Amer.	of World			
	Symbol/	Dating	28-May	Market	Value	Natural	Natural	Oil	Down-	McDep
P – Pu	y, CB (see		2010	Сар	(\$mm)	Gas	Gas	Prod'n	stream	Ratio
U.S. Integrated	y, CD (see	( below	2010	Cap	(\$mm)	Gus	Gas	FTOU N	stream	Кино
Exxon Mobil Corporation	XOM	СВ	60.46	1.20	377,000	10	17	56	17	0.72
Chevron Corporation	CVX	CB	73.87	1.19	177,000	4	17	71	17	0.72
Marathon Oil Corporation	MRO	CB	31.09	1.19	33,600	7	3	64	26	0.71
ConocoPhillips	COP	В	51.86	1.68	131,000	13	9	64	14	0.08
Total or Median *	31%	8%	15%	1.00	719,000	15	9	04	14	0.70
	5170	070	1370		719,000					0.70
Europe Royal Dutch Shell plc	RDS-A	СВ	52.40	1.39	223,000	3	23	48	26	0.73
		CD				3			26 25	
BG Group	BRGXF	CD	15.34	1.17	61,200		31	44		0.73
Statoil ASA (33%)	STO	CB	20.10	1.46	30,700	(	50	50	-	0.66
BP plc	BP	CD	42.95	1.43	194,000	6	12	61	21	0.59
Total S.A.	TOT	CB	46.63	1.30	136,000		19	58	22	0.58
Total or Median *	28%	10%	12%		645,000					0.66
Australia/Brazil/China/Russi			156.54	1.02	24,400		11	00		1.00
CNOOC Limited (34%)	CEO	<b>CD</b>	156.54	1.02	24,400		11	89	-	1.08
Woodside Petroleum Ltd.	WOPEY	CB	36.36	1.18	34,000		75	25	-	0.85
PetroChina Company Ltd (14%		CB	107.30	1.24	34,200		14	72	14	0.76
Petrobras	PBR		35.62	1.39	218,000		4	77	20	0.69
Gazprom (50%)	OGZPY	CB	20.55	1.36	81,000		77	23	-	0.39
Lukoil Oil Company	LUKOY	CB	47.85	1.16	47,100			68	32	0.39
Total or Median *	19%	12%	19%		439,000					0.72
U.S. Independent										
Southwestern Energy Compan	SWN		37.61	1.09	14,300	100			-	1.16
EOG Resources	EOG	В	104.84	1.13	29,700	68	5	28	-	1.12
Occidental Petroleum Corp.	OXY	В	82.51	1.07	71,900	10	1	82	7	0.88
Anadarko Petroleum Corp.	APC		52.33	1.55	40,300	46		50	4	0.88
Chesapeake Energy Corp.	CHK		22.34	1.93	27,900	90		10	-	0.79
Devon Energy Corporation	DVN	CB	63.85	1.05	30,000	57		43	-	0.66
Total or Median *	9%	12%	12%		214,000					0.88
Canada										
Canadian Natural Resources	CNQ	В	69.46	1.28	48,300	15		85	-	0.81
Imperial Oil Limited (30%)	IMO	CB	38.19	1.11	10,800	3		82	15	0.81
EnCana Corporation	ECA	CB	30.85	1.38	31,900	95		5	-	0.79
Cenovus Energy Inc.	CVE	CB	26.94	1.33	26,900	18		76	6	0.78
Canadian Oil Sands Trust	COSWF	CB	26.81	1.10	14,300			100	-	0.73
Suncor Energy	SU	CB	30.46	1.37	65,400	4		85	11	0.70
Total or Median *	9%	12%	23%		198,000					0.79
Income and Small Cap (see se	parate wee	kly ana	lysis)							
· · · · ·	3%	45%	19%		77,600	57		43		0.96
Composite										
Enterprise Value Weighting	100%				2,293,000	12	15	59	15	0.70
Equal Weighting		100%				36	7	51	6	0.85
Equal Weighted Buys			100%			27	12	53	8	0.74
CB=Contrarian Buy, Stock Pric										



			Table 2	2				
	Mo	Dep	Energy	y Portfo	olio			
N	et Pres	ent V	Value ar	nd McD	ep Ratio			
			Price			Net		
			(US\$/sh)		Market	Present	Debt/	
	Symbol/R	ating	28-May	Shares	Cap	Value	Present	McDep
B = Buy	, CB (see b	elow)	2010	(mm)	(US\$mm)	(US\$/sh)	Value	Ratio
U.S. Integnated								
U.S. Integrated	VOM	CD	(0.4)	5 015	215 000	80.00	0.12	0.72
Exxon Mobil Corporation	XOM	CB	60.46	5,215	315,000	89.00	0.12	0.72
Chevron Corporation	CVX	CB	73.87	2,004	148,000	110.00	0.11	0.71
Marathon Oil Corporation	MRO	CB	31.09	711	22,100	53.00	0.23	0.68
ConocoPhillips	COP	В	51.86	1,504	78,000	95.00	0.27	0.67
Total or Median					563,000		0.18	0.70
Europe								
Royal Dutch Shell plc	RDS-A	CB	52.40	3,066	161,000	79.00	0.21	0.73
BG Group plc	BRGXF		15.34	3,400	52,200	22.00	0.11	0.73
Statoil ASA (33%)	STO	CB	20.10	1,050	21,100	35.00	0.21	0.66
BP plc	BP		42.95	3,167	136,000	85.00	0.18	0.59
Total S.A.	TOT	CB	46.63	2,243	105,000	90.00	0.13	0.58
Total or Median	101	02	10100	2,210	475,000	20100	0.18	0.66
Australia/Brazil/China/Russia								
CNOOC Limited (34%)	CEO		156.54	152	23,800	145.00	0.03	1.08
Woodside Petroleum Ltd.	WOPEY	CB	36.36	794	28,900	44.00	0.13	0.85
PetroChina Company Ltd (14%)	PTR	CB	107.30	256	27,500	150.00	0.15	0.76
Petrobras	PBR		35.62	4,387	156,300	58.00	0.20	0.69
Lukoil Oil Company	LUKOY	CB	47.85	847	40,500	135.00	0.05	0.39
Gazprom (50%)	OGZPY	CB	20.55	2,915	59,900	64.00	0.10	0.39
Total or Median					337,000		0.12	0.72
U.S. Independent								
Southwestern Energy Company	SWN		37.61	349	13,100	32.00	0.10	1.16
EOG Resources	EOG	В	104.84	250	26,200	92.00	0.13	1.12
Anadarko Petroleum Corp.	APC	D	52.33	496	26,000	64.00	0.13	0.88
Occidental Petroleum Corp.	OXY	В	82.51	814	67,100	95.00	0.06	0.88
Chesapeake Energy Corp.	СНК	D	22.34	647	14,500	34.00	0.38	0.79
Devon Energy Corporation	DVN	CB	63.85	448	28,600	98.00	0.03	0.66
Total or Median	DVIN	СБ	05.05	077	175,500	70.00	0.11	0.88
Canada					1,2,200		5,11	0.00
Canadian Natural Resources	CNQ	В	69.46	543	37,700	90.00	0.18	0.81
Imperial Oil Limited (30%)	IMO	CB	38.19	256	9,800	48.00	0.08	0.81
EnCana Corporation	ECA	CB	30.85	749	23,100	42.00	0.00	0.01
Cenovus Energy Inc.	CVE	CB	26.94	749	20,300	37.00	0.22	0.79
Canadian Oil Sands Trust	COSWF	CB	26.81	484	13,000	37.00	0.19	0.78
Suncor Energy	SU	CB	30.46	1,572	47,900	48.00	0.19	0.73
0,	30	CD	50.40	1,372		48.00		
Total or Median	 - 14 - 4	1		200.1	152,000		0.18	0.79
CB=Contrarian Buy, Stock Price may McDep Ratio = Market cap and Deb						_		

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



			Table 3					
	McDe	ep l	Energy	Portfoli	0			
Value	Multi	ples	s and Di	istributi	on Yield			
			Price	Adjustd				Divd or
			(US\$/sh)	Resrvs/	PV/	EV/		Distrib
S	ymbol/Rai	tina	28-May	Prod	Ebitda	Ebitda	P/E	NTM
B = Buy, C		0	20 may 2010	NTM	NTM	NTM	NTM	(%)
U.S. Integrated								
U.S. Integrated Exxon Mobil Corporation	XOM	СВ	60.46	13.5	8.8	6.3	11	2.8
Marathon Oil Corporation	MRO	CB	31.09	9.1	7.7	5.3	11	2.0
ConocoPhillips	COP	В	51.86	10.5	7.7	5.0	9	3.2
Chevron Corporation	CVX	CB	73.87	9.1	6.7	4.8	10	3.2
Total or Median	CVA	Сb	/5.0/	9.1	7.6	4.0 5.1	10	3.0
10141 07 Meatan				9.0	7.0	5.1	10	5.0
Еигоре								
BG Group plc	BRGXF		15.34	13.4	9.0	6.6	12	0.8
Royal Dutch Shell plc	RDS-A	CB	52.40	8.7	6.6	4.8	8	6.4
Total S.A.	TOT	CB	46.63	9.6	7.4	4.3	7	6.0
BP plc	BP		42.95	9.7	6.9	4.1	6	7.8
Statoil ASA (33%)	STO	CB	20.10	6.4	5.9	3.9	8	4.6
Total or Median				9.6	6.9	4.3	8	6.0
Australia/Brazil/China/Russia								
Woodside Petroleum Ltd.	WOPEY	CB	36.36	17.8	13.6	11.5	20	2.6
Petrobras	PBR		35.62	9.1	9.1	6.3	10	3.8
PetroChina Company Ltd (14%)	PTR	CB	107.30	13.8	8.2	6.2	14	3.7
CNOOC Limited (34%)	CEO		156.54	6.8	5.2	5.6	10	3.3
Gazprom (50%)	OGZPY	CB	20.55	30.2	9.7	3.8	5	0.2
Lukoil Oil Company	LUKOY	CB	47.85	15.8	8.9	3.5	6	3.4
Total or Median				14.8	9.0	5.9	10	3.3
U.S. Independent								
Southwestern Energy Company	SWN		37.61	6.5	8.3	9.6	19	_
Chesapeake Energy Corp.	CHK		22.34	12.0	11.6	9.1	12	1.3
EOG Resources	EOG	В	104.84	9.7	8.3	9.3	35	0.6
Occidental Petroleum Corp.	OXY	В	82.51	10.5	7.7	6.7	15	1.3
Anadarko Petroleum Corp.	APC		52.33	8.4	6.9	6.0		0.7
Devon Energy Corporation	DVN	CB	63.85	10.0	8.1	5.4	12	1.0
Total or Median				9.8	8.2	7.9	15	0.8
Conada								
Canada Canadian Natural Resources	CNO	р	60.46	20.2	110	0.5	24	0.0
Imperial Oil Limited (30%)	CNQ IMO	B CB	69.46 38.19	20.2 20.2	11.8 11.7	9.5 9.5	34 18	0.8
Canadian Oil Sands Trust	COSWF	CB	26.81	31.0	11.7	9.5	18	1.0
EnCana Corporation	ECA	CB	30.85	17.0	12.6		24	
Cenovus Energy Inc.	ECA CVE	CB	26.94	17.0	10.8	8.5 8.2	17	2.6
Suncor Energy	SU	CB	30.46	25.3	10.5	8.2	17	1.2
Total or Median	30	CD	30.40	25.5	11.6		19	1.2
CB=Contrarian Buy, Stock Price may be in	n downtro	nde	ompared to			8.8	19	1.9
EV = Enterprise Value = Market Cap and 1						ciation		
						ciation		
and amortization; NTM = Next Twelve M Earnings; PV = Present Value of oil and g				1; $P/E = Stoc$	ck Price to			



En	Cana Corpo	oration						
Functional Cash Flow and Present Value								
	NTM	Adjusted	PV/	Present				
	<u>Ebitda</u>	<u>R/P</u>	<u>Ebitda</u>	<u>Value</u>				
North American Natural Gas	3,380	17.1	11.2	37,900	94%			
Oil	350	15.5	6.9	2,400	6%			
	3,730	17.0	10.8	40,300	100%			
Debt					8,800			
Net Present Value (\$mm)					31,500			
Shares					749			
Net Present Value - Standard Estimate (US\$/sh	)				42			

	Canadian Oil Sands	s Trust							
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>					
Oil	1,570	31.0	12.5	19,690	100%				
Debt (US\$mm)					1,300				
Net Present Value (US\$mm)					18,390				
Shares (mm)					484				
Net Present Value (US\$/sh)					38				

Canadia	n Natural Re	sources						
Functional Cash Flow and Present Value								
	NTM	Adjusted	PV/	Present				
	<u>Ebitda</u>	<u>R/P</u>	<u>Ebitda</u>	<u>Value</u>				
North American Natural Gas	1,020	8.3	8.8	9,000	15%			
Oil	4,080	26.2	12.4	50,500	85%			
	5,100	20.2	11.7	59,500	100%			
Debt					10,600			
Net Present Value (US\$mm)					48,900			
Shares					543			
Net Present Value - Standard Estimate (US\$/sh)					90			



Ce	enovus Ene	ergy Inc.						
Functional Cash Flow and Present Value								
	NTM	Adjusted	PV/	Present				
	<u>Ebitda</u>	<u>R/P</u>	<u>Ebitda</u>	<u>Value</u>				
North American Natural Gas	840	6.9	7.4	6,200	18%			
Oil	2,330	30.8	11.3	26,300	76%			
Downstream	300		6.7	2,000	6%			
	3,470	19.5	9.9	34,500	100%			
Debt					6,700			
Net Present Value (\$mm)					27,800			
Shares					752			
Net Present Value - Standard Estimate (US\$/	/sh)				37			

	Suncor							
Functional Cash Flow and Present Value								
				Present				
i	NTM Ebitda	Adjusted	PV/	Value				
	<u>(US\$mm)</u>	<u>R/P</u>	<u>Ebitda</u>	<u>(US\$mm)</u>				
Natural Gas	430	11.4	9.3	4,000	4%			
Oil	6,410	28.0	12.3	79,000	85%			
Downstream	1,210		8.3	10,000	11%			
	8,050	25.3	11.6	93,000	100%			
Debt (US\$mm)					17,500			
Net Present Value (US\$mm)					75,500			
Shares (mm)					1,572			
Net Present Value - Standard Estimate (US\$/sh)					48			

Imp	erial Oil Lin	nited			
Functional Ca	sh Flow and 1	Present Val	ue		
				Present	
Ν	NTM Ebitda	Adjusted	PV/	Value	
	<u>(US\$mm)</u>	<u>R/P</u>	<u>Ebitda</u>	<u>(US\$mm)</u>	
North American Natural Gas	170	6.5	8.8	1,500	3%
Synthetic Oil	1,069	24.9	12.5	13,400	30%
Oil and Bitumen	1,785	21.5	12.9	23,100	52%
Downstream	771		8.4	6,500	15%
	3,795	20.2	11.7	44,500	100%
Debt (US\$mm)					3,500
Net Present Value (US\$mm)					41,000
Shares (mm)					854
Net Present Value - Standard Estimate (US\$/sh)					48



			Index of Rec	ent Research
Stock ]	Ide	eas		
Date		Symbol	Subject	Theme
28-May		XEC, BIREF,	WLL, BRY, RRC, HK and UPL	Shell Shale Gas Deal Boosts Independent Producers (ISCW)
25-May		XOM, BP, TO	TC	Large Caps Go Contrarian (Meter Reader)
21-May		COSWF, PW	E, ERF, PGH and PEYUF	Canadian Income Trusts for Value and Distributions (ISCW)
20-May		CEO	CNOOC Ltd	Remove Buy on Valuation and Trend
18-May		RDSA, STO,	ТОТ	European Oil for Contrarians (Meter Reader)
13-May		BIREF	Birchcliff Energy Ltd.	New Buy for Small Cap Natural Gas Growth
11-May		XOM, CVX,	COP, MRO	U.S. Integrated Oil in New Trend (Meter Reader)
10-May		XEC	Cimarex Energy Company	Raise NPV Again on More Production
5-May		DVN	Devon Energy Corporation	Stock Repurchase Compelling
4-May	*	BP	BP p.l.c.	Oil Spill and BP Stock Spill (Meter Reader)
30-Apr	*	WLL	Whiting Petroleum Corporation	Raise NPV to \$95 a Share on Onshore Oil Drilling (ISCW)
30-Apr	*	PBR, BG, AP	C and BP	Remove Buys - Accident May Delay Deep Water Oil
30-Apr	*	COSWF	Canadian Oil Sands Trust	Distribution Raised 43% to C\$0.50 a Quarter
23-Apr	*	LGCY, LINE	Legacy Reserves L.P., Linn Energy	Oily Cash Payers - Add Legacy, Raise Linn NPV (ISCW)
21-Apr	*	ECA	EnCana Corporation	New Natural Gas Company Performs Well
20-Apr	*	SWN	Southwestern Energy	Shale Gas Slowdown (Meter Reader)
2-Apr	*	SJT	San Juan Basin Royalty Trust	Low Cost Natural Gas (Income and Small Cap Weekly)
31-Mar	*	LUKOY	Lukoil Oil Company	Shares Available
26-Mar	*	PTR	PetroChina Company Limited	Gas Growth - Natural Gas and Gasoline
22-Mar	*	HGT	Hugoton Royalty Trust	Monthly Volume Distortion
5-Mar	*	CNO	Canadian Natural Resources	Raise NPV to US\$90 a Share from \$80
26-Feb	*	DMLP	Dorchester Minerals, L.P.	Replaces Reserves and Pays 8% Income (ISCW)
25-Feb	*	WOPEY	Woodside Petroleum	Financing in Place for 2010
15-Feb	*	CVE	Cenovus Energy Inc.	Quadruple Bitumen by 2017
15-Feb	*	EOG	EOG Resources Inc.	Proven Reserves Increase 24%
3-Feb	*	IMO	Imperial Oil Limited	Horn River Shale Gas Explorer
Meter	R	eader		
1-Jun	Τ		Weekly	
25-May		XOM, BP, TO		Large Caps Go Contrarian
18-May	_	RDSA, STO,		European Oil for Contrarians
11-May	*	XOM, CVX,		U.S. Integrated Oil in New Trend
		nd Small C	ap Weekly	
28-May	Τ		WLL, BRY, RRC, HK and UPL	Shell Shale Gas Deal Boosts Independent Producers
21-May			E, ERF, PGH and PEYUF	Canadian Income Trusts for Value and Distributions
14-May	_		Weekly	Euroworries and the Appeal of Income and Small Cap
7-May	_	ENP	Encore Energy Partners	Mini-Panic and Encore Energy Partners
Indust	_			
30-Apr	•	PBR, BG, AP	C and BP	Remove Buys - Accident May Delay Deep Water Oil
	*	Archived on	www.mcdep.com	



**Disclaimer:** This analysis was prepared by Kurt Wulff, Manager of McDep LLC. The firm used sources and data believed to be reliable, but makes no representation as to their accuracy or completeness. This analysis is intended for informational purposes and is not a solicitation to buy or sell a security. Past performance is no guarantee of future results.

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**Research Methodology/Ratings Description:** McDep LLC is an independent research originator focused on oil and gas stocks exclusively. The firm applies the forty years of experience of its analyst to estimate a present value of the oil and gas resources and other businesses of covered companies. That value is compared with a company's stock market capitalization and debt. Stocks with low market cap and debt relative to present value tend to outperform stocks with high market cap and debt relative to present value. Buy recommendations are expected to deliver a total return better than 7% per year above inflation. Hold recommendations are expected to deliver a total return less than inflation.