

# Giant North Sea Oil Discovery for Statoil

## **Summary and Recommendation**

Amid the global economic gloom, there is good news for contrarian-buy **Statoil** (**STO**) as its 40%-owned Avaldsnes discovery may be the third largest oil field in the Norwegian portion of the North Sea. Swedish independent Lundin Petroleum (LNDNF), which drilled the discovery well last year, released on September 30 an estimate of likely recoverable reserves of 1.2 – 2.6 billion barrels supported by appraisal drilling so far. Only two fields offshore Norway are larger than the top end of the range – Ekofisk discovered by **ConocoPhillips** (**COP**) in 1969 and Statfjord discovered by **ExxonMobil** (**XOM**) in 1974. Ironically, the new discovery lies along a fairway of existing fields and well-developed infrastructure (see map from Lundin presentation on page 2). The good news of Avaldsnes follows Statoil's Arctic oil breakthrough with the Skrugard discovery in the Barents Sea earlier this year (see *Meter Reader*, May 23, 2011). As a result of recent drilling successes, STO's Norwegian oil production may stabilize for longer as natural gas production continues to grow. Successful exploration enhances the investment appeal of Statoil stock priced at a low McDep Ratio of 0.58 and an indicated dividend yield of 5.1% (see Statoil valuation tables on pages 3-4).

### **Lundin's Transformational Event**

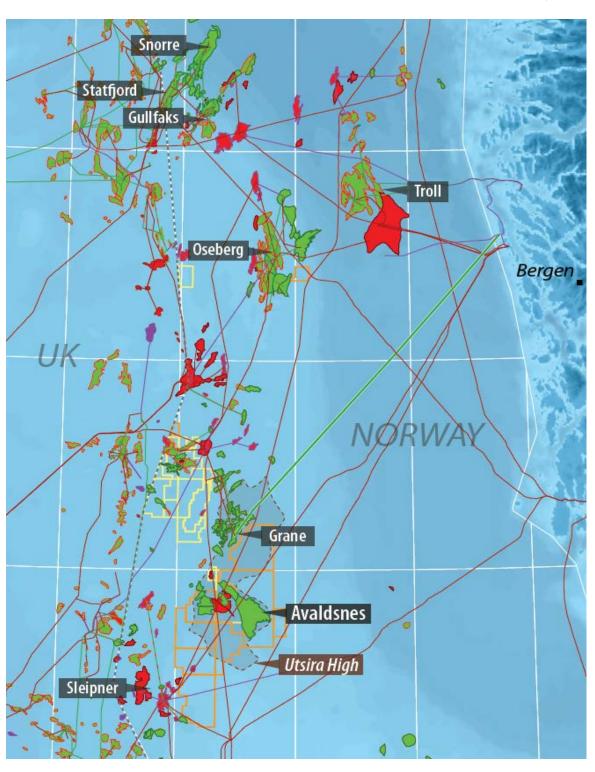
Avaldsnes is the name Lundin has given to the discovery on license PL 501 where it is the operator with 40% and Statoil has a 40% non-operated interest. On the adjacent license PL 265, Statoil as operator and 40% owner (Lundin 10%) has called its discovery Aldous Major South. On August 5 STO released an estimate of 200-400 million barrels for PL265, which subsequently became 400-800. Then on September 30, Lundin raised its estimate for PL501 to 0.8-1.8 billion barrels from 0.1-0.4 on the basis of strong appraisal wells. The combined estimate becomes 1.2-2.6, 40% STO and perhaps 30% LNDNF. On the week, LNDNF market cap increased about 50% to \$5.5 billion. STO is drilling its next appraisal well 16/2-10 now and Lundin will start drilling 16/5-2 in November according to chief executive Ashley Heppenstall on Lundin's historic investor meeting and call on September 30. The field has top quality crude oil in highly porous, highly permeable rock that may yield a recovery factor as high as 70%.

### **Tumultuous Markets**

Crude oil for the next six years trades at \$83 a barrel compares to the 40-week average of \$98 while natural gas for six years at \$5.07 a million btu is also below the 40-week average at \$5.40 (see chart Six-Year and One-Year Natural Gas and Oil Futures on page 10). McDep Ratio averages 0.57 with a range from of 0.35 to 0.83 (see Tables 1-3 on pages 5-7). Potentially bottoming this month on a seasonal basis, stock prices are below the 200-day average (see Table 4 on page 8).

Kurt H. Wulff, CFA







Symbol	STO	Ebitda Next Twelve Months ending 9/30/12 (US\$mi	n) 22,600
Rating	Contrarian Buy	North American Natural Gas/Ebitda (%)	0
Price (\$/sh)	20.67	Natural Gas and Oil Production/Ebitda (%)	100
Pricing Date	10/3/11	Adjusted Reserves/Production NTM	6.8
Shares (mm)	3183	EV/Ebitda	4.4
Market Capitalization (\$mm)	65,800	PV/Ebitda	7.7
Debt (\$mm)	34,900	Undeveloped Reserves (%)	26
Enterprise Value (EV) (\$mm)	100,600	Natural Gas and Oil Ebitda (\$/boe)	34.80
Present Value (PV) (\$mm)	174,900	Present Value Proven Reserves(\$/boe)	34.20
Net Present Value (\$/share)	44	Present Value Proven Reserves(\$/mcfe)	5.70
Debt/Present Value	0.20	Earnings Next Twelve Months (US\$/sh)	2.24
McDep Ratio - EV/PV	0.58	Price/Earnings Next Twelve Months	9
Dividend Yield (%/year)	5.1	Indicated Annual Dividend (US\$/sh)	1.06
Note: Estimated cash flow	and earnings tied to o	ne-year futures prices for oil.	

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\$100 a barrel and natural gas, \$8 a million btu The Norwegian government owns 67% of the shares in Statoil. For historical research, see www.mcdep.com

	Statoil ASA								
Natural Gas and Oil Reserves									
	Natural Gas	Oil	Tota	1					
	<u>(bcf)</u>	<u>(mmb)</u>	<u>(bcf)</u>	<u>(mmb)</u>					
Reserves (bcf or mmb)									
Proven (P)	17964	2124	30708	5118					
Proven Developed (PD)	14698	1357	22840	3807					
Proven Undeveloped (PUD)	3266	767	7868	1311					
Production, Next Twelve Months	1556	393	3917	653					
Reserve Life Index (years)									
R/P P	11.5	5.4	7.8	7.8					
R/P PD	9.4	3.4	5.8	5.8					
R/P PUD	2.1	1.9	2.0	2.0					
R/P PD+.5PUD	10.5	4.4	6.8	6.8					

	Statoil ASA				
Functional Cas	sh Flow and P	resent Valu	e		
				Present	
	NTM Ebitda	Adjusted	PV/	Value	
	(US\$mm)	<u>R/P</u>	<u>Ebitda</u>	(US\$mm)	
Natural Gas	7,084	10.5	8.5	60,000	34%
Oil	15,545	4.4	7.4	115,000	66%
	22,629	6.8	7.7	175,000	100%
Debt (US\$mm)					34,900
Net Present Value (US\$mm)					140,100
Shares (mm)					3,183
Net Present Value - Standard Estimate (US\$/sh)					44
NPV Approximation by Cash Flow Multiple Depend	ding on Reserve	Life (US\$/	sh)		42



			Stat	oil ASA					
	Next	Twelve Mo	onths Oper	ating and I	inancial E	stimates			
									Next
									Twelve
	Q3	Q2	Q3E	Q4E	Year	Q1E	Q2E	Q3E	Months
	9/30/10	6/30/11	9/30/11	12/31/11	2011E	3/31/12	6/30/12	9/30/12	9/30/12
Volume									
Natural Gas (mmcfd)	3,198	3,696	3,198	5,034	4,249	5,082	3,696	3,198	4,252
Oil (mbd)	1,019	1,075	1,075	1,075	1,087	1,075	1,075	1,075	1,075
Total gas & oil (mbd)	1,552	1,691	1,608	1,914	1,795	1,922	1,691	1,608	1,784
Price									
Natural gas (NOK/mcf)	49	58	58	58	58	58	58	58	58
Natural gas (NOK/Sm3)	1.74	2.06	2.06	2.06	2.03	2.06	2.06	2.06	2.06
Oil									
WTI Cushing US\$/bbl)	76.08	102.55	89.76	77.64	91.01	77.91	78.81	79.83	78.55
Kroner/\$	6.16	5.44	5.90	5.90	5.74	5.90	5.90	5.90	5.90
WTI Cushing (NOK/bbl)	469	558	529	458	522	459	465	471	463
Wellhead (NOK/bbl)	455	610	579	501	567	502	508	515	507
Total gas & oil (NOK/bl	400	515	503	435	479	435	451	460	444
Revenue (NOKmm)									
Natural Gas	14,502	19,628	17,170	27,027	89,349	26,988	19,628	17,170	90,812
Oil	42,655	59,673	57,247	49,515	224,804	49,149	49,717	50,910	199,291
Other	84,762	109,092	109,092	109,092	420,506	109,092	109,092	109,092	436,367
Total	127,417	168,765	183,508	185,634	689,507	185,229	178,436	177,171	726,470
Expense	95,978	135,571	149,277	150,424	551,997	150,206	146,538	145,854	593,022
Ebitda (NOKmm)	31,439	33,194	34,231	35,209	137,510	35,023	31,898	31,316	133,447
Exploration	3,634	206	3,000	3,000	9,675	3,000	3,000	3,000	12,000
Deprec., Deplet., & Amort.	12,602	11,240	11,240	11,240	44,771	11,240	13,000	13,000	48,480
Ebit	15,203	21,748	19,991	20,969	83,064	20,783	15,898	15,316	72,967
Interest	2,126	2,055	2,055	2,055	8,214	2,055	2,055	2,055	8,221
Ebt	13,077	19,692	17,936	18,914	74,850	18,728	13,843	13,261	64,746
Income Tax	4,577	6,892	6,278	6,620	26,197	6,555	4,845	4,641	22,661
Net Income (NOKmm)	8,500	12,800	11,658	12,294	48,652	12,173	8,998	8,620	42,085
Shares (millions)	3,183	3,183	3,183	3,183	3,183	3,183	3,183	3,183	3,183
Per share (NOK)	2.67	4.02	3.66	3.86	15.29	3.82	2.83	2.71	13.22
Ebitda Margin (E&P)	55%	42%	46%	46%	44%	46%	46%	46%	46%
Tax Rate	35%	35%	35%	35%	35%	35%	35%	35%	35%



				Table						
	$\mathbf{M}$	[cI	ep Lar	ge Car	Energy S	Stocks				
					d Busines		ents			
						Draga	nt Value by	Cagman	+ (0/)	
			Price					segmen	1 (/0)	
			(US\$/sh)	EV/	Enterprise	North	Rest			
C	1 1/D	Ŀ					of World	0.1	D	M D
2	mbol/Rat		3-Oct	Market	Value	Natural	Natural		Down-	McDep
B = Buy, Cl	B (see bei	ow)	2011	Сар	(\$mm)	Gas	Gas	Proan	stream	Ratio
U.S. Integrated	VOM	CD	71.15	1.20	421.000	9	19	5.0	1.0	0.60
Exxon Mobil Corporation	XOM			1.20	421,000			56	16	0.68
ConocoPhillips	COP			1.50	126,000	14	11	59	17	0.61
Chevron Corporation	CVX	CB	89.88	1.15	208,000	3	10	78	9	0.56
Total or Median					755,000			59		0.61
Europe	DDCX		10.00	1.00	70.000		2.1	4.7	21	0.50
BG Group	BRGXF	CT.	18.80	1.23	78,800		34	45	21	0.79
Royal Dutch Shell plc	RDS-A			1.34	249,000	3	22	54	21	0.69
Statoil ASA (33%)	STO	CB		1.53	33,200		34	66	-	0.58
BP plc	BP		35.23	1.78	199,000	4	8	65	23	0.52
Total S.A.	TOT	CB	42.13	1.43	136,000		21	66	13	0.51
Total or Median					696,000			65		0.58
Brazil/Russia/Australia/China										
Woodside Petroleum Ltd.	WOPEY		29.30	1.28	30,000		72	28	-	0.71
PetroChina Company Ltd (14%)	PTR	CB		1.33	40,400		14	69	16	0.63
CNOOC Limited (36%)	CEO		153.02	1.01	25,000		9	91	-	0.61
Petrobras	PBR			1.44	201,000		2	83	15	0.43
Gazprom (50%)	OGZPY			1.26	67,000		84	16	-	0.38
Lukoil Oil Company	LUKOY	CB	48.50	1.11	43,200			72	28	0.35
Total or Median					407,000			72		0.52
U.S. Independent										
Chesapeake Energy Corp.	CHK		23.97	1.86	33,400	73		27	-	0.83
Southwestern Energy Company	SWN		32.28	1.13	12,800	100			-	0.79
Anadarko Petroleum Corp.	APC		60.60	1.69	51,300	36		61	3	0.78
EOG Resources, Inc.	EOG	CB	68.43	1.30	22,200	43	4	53	-	0.59
Occidental Petroleum Corp.	OXY	CB	68.58	1.13	63,000	10	1	79	9	0.59
Devon Energy Corporation	DVN			1.24	28,000	55		45	-	0.53
Marathon Oil Corporation	MRO	CB	20.28	1.35	19,600	7	4	89	-	0.45
Total or Median					230,000			61		0.59
Canada					, ,					
Cenovus Energy Inc.	CVE	CB	29.45	1.29	28,700	17		74	9	0.66
Imperial Oil Limited (30%)	IMO			1.17	10,000	3		86	11	0.58
Penn West Exploration	PWE		13.61	1.59	10,100	16		84	-	0.55
EnCana Corporation	ECA	CB		1.80	24,700	90		10	-	0.51
Suncor Energy		CB		1.33	50,800	3		81	17	0.44
Canadian Oil Sands Limited	COSWF			1.15	10,100			100	-	0.38
Total or Median			5.20		134,000			82		0.53
Composite					2,222,000	9	15	62	14	0.57



			Table 2	2				
	McDep	Lar	ge Cap	Energy	Stocks			
	_				ep Ratio			
			Price			Net		
			(US\$/sh)		Market	Present	Debt/	
	Symbol/R		3-Oct	Shares	Cap	Value	Present	МсДер
B = Buy	CB (see b	elow)	2011	(mm)	(US\$mm)	(US\$/sh)	Value	Ratio
U.S. Integrated								
Exxon Mobil Corporation	XOM	СВ	71.15	4,912	350,000	112.00	0.11	0.68
ConocoPhillips	COP	СВ	61.04	1,380	84,000	119.00	0.20	0.61
Chevron Corporation	CVX	СВ	89.88	2,009	181,000	170.00	0.07	0.56
Total or Median				,	615,000		0.11	0.61
Europe					,			
BG Group plc	BRGXF		18.80	3,410	64,100	25.00	0.15	0.79
Royal Dutch Shell plc	RDS-A	СВ	59.70	3,114	186,000	96.00	0.18	0.69
Statoil ASA (33%)	STO	CB	20.67	1,050	21,700	44.00	0.20	0.58
BP plc	BP	CD	35.23	3,186	112,000	93.00	0.23	0.52
Total S.A.	TOT	СВ	42.13	2,256	95,000	100.00	0.15	0.51
Total or Median		CD	12.110	2,200	479,000	100.00	0.18	0.58
Brazil/Russia/Australia/China					.,,,,,,,			
Woodside Petroleum Ltd.	WOPEY		29.30	787	23,100	45.00	0.16	0.71
PetroChina Company Ltd (14%)	PTR	СВ	118.96	256	30,500	210.00	0.16	0.63
CNOOC Limited (36%)	CEO		153.02	162	24,700	250.00	0.01	0.61
Petrobras	PBR	СВ	21.50	6,513	140,000	62.00	0.13	0.43
Gazprom (50%)	OGZPY	CB	9.16	5,750	52,700	28.00	0.08	0.38
Lukoil Oil Company	LUKOY	CB	48.50	802	38,900	150.00	0.03	0.35
Total or Median		CD	10.00	002	310,000	100.00	0.11	0.52
U.S. Independent					210,000		0.11	0.52
Chesapeake Energy Corp.	CHK		23.97	751	18,000	33.00	0.38	0.83
Southwestern Energy Company	SWN		32.28	350	11,300	42.00	0.09	0.79
Anadarko Petroleum Corp.	APC		60.60	500	30,300	90.00	0.32	0.78
EOG Resources, Inc.	EOG	СВ	68.43	250	17,100	130.00	0.13	0.59
Occidental Petroleum Corp.	OXY	CB	68.58	813	55,800	123.00	0.07	0.59
Devon Energy Corporation	DVN	CB	53.32	423	22,600	112.00	0.10	0.53
Marathon Oil Corporation	MRO	CB	20.28	717	14,540	54.00	0.12	0.45
Total or Median		CD	20.20	/1/	169,600	54.00	0.12	0.59
Canada					102,000		0.12	0.57
Cenovus Energy Inc.	CVE	СВ	29.45	758	22,300	49.00	0.15	0.66
Imperial Oil Limited (30%)	IMO	CB	33.40	256	8,600	62.00	0.08	0.58
Penn West Exploration	PWE		13.61	467	6,400	31.00	0.21	0.55
EnCana Corporation	ECA	СВ	18.57	739	13,700	51.00	0.23	0.51
Suncor Energy	SU	СВ	24.00	1,587	38,100	64.00	0.11	0.44
Canadian Oil Sands Limited	COSWF	СВ	18.10	485	8,800	52.00	0.05	0.38
Total or Median					98,000		0.13	0.53
CB=Contrarian Buy, Stock Price ma		rend c	ompared to	200-day av				
McDep Ratio = $\mathbf{M}$ arket $\mathbf{c}$ ap and $\mathbf{De}$								
Estimated present value presumes a							nillion btu.	



			Table 3					
Mo	Dep L	arg	e Cap I	Energy S	tocks			
				istributio				
			Price	Adjustd	DI 7/	F77.7/		Divd or
			(US\$/sh)	Resrvs/	PV/	EV/		Distrib
	ymbol/Rai		3-Oct	Prod	Ebitda	Ebitda	P/E	NTM
B = Buy, C	B (see bel	low)	2011	NTM	NTM	NTM	NTM	(%)
U.S. Integrated								
Exxon Mobil Corporation	XOM	CB	71.15	14.1	8.3	5.6	9	2.6
ConocoPhillips	COP	CB	61.04	12.0	8.5	5.2	10	4.3
Chevron Corporation	CVX	CB	89.88	8.5	7.7	4.3	8	3.5
Total or Median				12.0	8.3	5.2	9	3.5
Europe								
BG Group plc	BRGXF		18.80	17.1	10.5	8.3	16	1.2
Royal Dutch Shell plc	RDS-A	СВ	59.70	9.0	7.4	5.1	8	5.6
BP plc	BP		35.23	11.1	9.1	4.7	6	4.8
Statoil ASA (33%)	STO	СВ	20.67	6.8	7.7	4.4	9	5.1
Total S.A.	TOT	CB	42.13	9.9	8.3	4.2	6	7.2
Total or Median				9.9	8.3	4.7	8	5.1
Brazil/Russia/Australia/China								
Woodside Petroleum Ltd.	WOPEY		29.30	20.3	10.8	7.7	13	3.8
Petrobras	PBR	CB	21.50	13.5	12.6	5.5	8	5.9
PetroChina Company Ltd (14%)	PTR	CB	118.96	13.1	7.7	4.9	11	4.6
CNOOC Limited (36%)	CEO		153.02	6.9	6.4	3.9	7	4.2
Lukoil Oil Company	LUKOY	CB	48.50	16.4	7.0	2.4	4	3.7
Gazprom (50%)	OGZPY	CB	9.16	30.2	5.5	2.1	3	3.2
Total or Median				14.9	7.4	4.4	7	4.0
U.S. Independent								
Chesapeake Energy Corp.	CHK		23.97	10.5	11.7	9.7	8	1.5
Southwestern Energy Company	SWN		32.28	7.5	11.8	9.3	19	-
Anadarko Petroleum Corp.	APC		60.60	7.2	9.0	7.0		0.6
Occidental Petroleum Corp.	OXY	CB	68.58	11.5	9.5	5.6	11	2.7
Devon Energy Corporation	DVN	CB	53.32	10.2	10.2	5.4	10	1.3
EOG Resources, Inc.	EOG	CB	68.43	9.2	8.6	5.1	21	0.9
Marathon Oil Corporation	MRO	CB	20.28	10.3	7.8	3.5	9	3.0
Total or Median				10.2	9.5	5.6	11	1.3
Canada								
Cenovus Energy Inc.	CVE	CB	29.45	22.3	12.7	8.4	19	2.6
Imperial Oil Limited (30%)	IMO	CB	33.40	43.1	13.8	8.0	12	1.3
EnCana Corporation	ECA	CB	18.57	11.9	14.0	7.1	75	4.3
Penn West Exploration	PWE		13.61	8.5	11.8	6.5	10	7.6
Canadian Oil Sands Limited	COSWF	CB	18.10	26.1	13.9	5.3	9	6.3
Suncor Energy	SU	CB	24.00	25.2	10.7	4.8	12	1.7
Total or Median				23.8	13.2	6.8	12	3.4
CB=Contrarian Buy, Stock Price may be	in downtre	end c	ompared to	200-day av				
EV = Enterprise Value = Market Cap and						eciation		
and amortization; NTM = Next Twelve M								
Earnings; PV = Present Value of oil and								

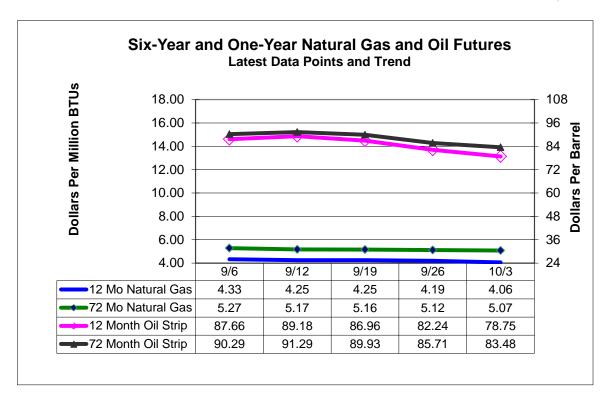


			Table							
	McDe	p L	arge Cap	<b>Energy</b>	Stocks					
Rank by Enterprise Value to 200 Day Average										
			Price							
			(\$/sh)		Enterprise					
	Symbol		3-Oct	52Wk	52Wk	50 Day	200 Day	McDep		
	K	Ratin,	2011	High	Low	Avg.	Avg.	Ratio		
U.S. Integrated										
Chevron Corporation	CVX	CB	89.88	0.84	1.10	0.93	0.91	0.56		
Exxon Mobil Corporation	XOM	CB	71.15	0.83	1.12	0.97	0.91	0.68		
ConocoPhillips	COP	CB	61.04	0.81	1.05	0.94	0.89	0.61		
Median				0.83	1.10	0.94	0.91	0.61		
Europe										
Royal Dutch Shell plc	RDS-A	CB	59.70	0.81	1.00	0.93	0.89	0.69		
Statoil ASA (33%)	STO	CB	20.67	0.78	1.03	0.94	0.88	0.58		
BP plc	BP		35.23	0.81	1.00	0.93	0.88	0.52		
BG Group plc	BRGXF		94.00	0.76	1.06	0.92	0.87	0.79		
Total S.A.	TOT	CB	42.13	0.73	1.04	0.92	0.82	0.51		
Median				0.80	1.03	0.93	0.88	0.59		
Brazil/Russia/Australia/China										
PetroChina Company Ltd (14%)	PTR	CB	118.96	0.80	1.05	0.95	0.90	0.63		
Lukoil Oil Company	LUKOY		48.50	0.66	1.02	0.85	0.78	0.35		
Woodside Petroleum Ltd.	WOPEY		29.30	0.62	1.00	0.84	0.73	0.71		
Gazprom (50%)	OGZPY	CB	9.16	0.58	1.02	0.82	0.71	0.38		
Petrobras	PBR	CB	21.50	0.59	1.00	0.82	0.71	0.43		
CNOOC Limited (36%)	CEO		153.02	0.57	1.06	0.82	0.68	0.61		
Median				0.61	1.02	0.83	0.72	0.52		
U.S. Independent										
Anadarko Petroleum Corp.	APC		60.60	0.80	1.05	0.90	0.87	0.78		
Chesapeake Energy Corp.	CHK		23.97	0.79	1.07	0.87	0.87	0.83		
Southwestern Energy Company	SWN		33.81	0.68	1.00	0.85	0.82	0.79		
Occidental Petroleum Corp.	OXY	CB	68.58	0.61	1.00	0.82	0.73	0.59		
EOG Resources, Inc.	EOG	CB	68.43	0.63	1.01	0.80	0.73	0.59		
Devon Energy Corporation	DVN	СВ	53.32	0.62	1.01	0.83	0.71	0.53		
Marathon Oil Corporation	MRO	CB	20.28					0.45		
Median				0.65	1.01	0.84	0.78	0.59		
Canada										
Cenovus Energy Inc.	CVE	CB	29.45	0.77	1.05	0.88	0.86	0.66		
Imperial Oil Limited (30%)	IMO	CB	33.40	0.64	0.99	0.85	0.76	0.58		
EnCana Corporation	ECA	СВ	18.57	0.67	1.00	0.85	0.74	0.51		
Penn West Exploration	PWE		13.61	0.58	0.99	0.81	0.68	0.55		
Suncor Energy	SU	СВ	24.00	0.57	1.00	0.81	0.68	0.44		
Canadian Oil Sands Limited	COSWF		18.11	0.55	1.00	0.80	0.67	0.38		
Median				0.64	1.00	0.84	0.74	0.55		



		Index of Rec	ent Research
Stock 1	ldeas		
<u>Date</u>	Symbol	<u>Subject</u>	<u>Theme</u>
30-Sep	RRC, WLL, XEC	C, LINE, LGCY	5 Ideas from IPAA San Francisco
23-Sep	SJT, HGT	San Juan Basin RT, Hugoton RT	Transfer Buy to SJT from HGT (Income and Small Cap Wkly)
16-Sep	FRHLF, PBT, SE	BR, DMLP, CRT	Volume Upside in Top Line Cash Payers (Income and Small Ca
13-Sep	EOG	EOG Resources	Horizontal Leads Renewed U.S. Oil Growth (Meter Reader)
6-Sep	LUKOY	Lukoil	Capitalist Success with Upside (Meter Reader)
2-Sep	XEC	Cimarex Energy	Solid Company, Bouncy Stock (Income and Small Cap Weekly
30-Aug	PTR	PetroChina	China Growth at Low Stock Market Value (Meter Reader)
23-Aug	PBR	Petrobras	Product Price Controls Delay Cash Growth (Meter Reader)
19-Aug	DMLP	Dorchester Minerals, L.P.	Preferred Risk 7% Income with Oil and Gas Upside (ISCW)
16-Aug	COSWF	Canadian Oil Sands Limited	Undervalued Laggard (Meter Reader)
9-Aug	HK	Petrohawk	Discontinue on Pending Acquisition at NPV Premium (ISCW)
9-Aug	RRC	Range Resources	Raise NPV to \$70 from \$60 a Share (Income and Small Cap)
2-Aug	CVX	Chevron	Raise NPV to \$170 from \$154 on Cash Flow Margin
2-Aug	TOT	Total	Lower NPV to \$100 from \$111 on Cash Flow Margin (MRead
	APC	Anadarko Petroleum	Raise NPV to \$90 from \$78 on Oil Growth
	ECA	Encana	High Margin at Low Natural Gas Price (Meter Reader)
19-Jul	COP	ConocoPhillips	Downstream Spinoff Promises to Unlock Value (Meter Reade
5-Jul	DVN	Devon Energy	Thermal Oil Growth in Canada (Meter Reader)
28-Jun		Marathon Oil	Buy New U.S. Independent Producer (Meter Reader)
	WOPEY	Woodside Petroleum	Remove Buy on Costs and Delay (Meter Reader)
	PEYUF	Peyto Exploration	Update Growth (Income and Small Cap)
14-Jun	-	Cenovus Energy	Accelerating Deep Oil Sands (Meter Reader)
7-Jun	IMO	Imperial Oil	Double Oil Production by 2020 (Meter Reader)
31-May		Occidental Petroleum	Triple California Oil Production by 2020 (Meter Reader)
24-May		Statoil	Nordic Oil and Gas Stalwart (Meter Reader)
29-Apr		Birchcliff Energy	Independent Engineer Confirms Natural Gas Upside (ISCW)
22-Apr		Enerplus Corporation	New Buy - Bakken and Marcelllus with 7% Income (ISCW)
29-Mar		Exxon Mobil	Natural Gas Enhanced by Nuclear (Meter Reader)
	OGZPY	Gazprom	Nearer Accord on Natural Gas to China (Meter Reader)
	For historical re	search by stock, go to mcdep.com, clic	ck on <u>Stock Ideas,</u> click on stock by name.
	Reader		
27-Sep			Stocks Pricing Long-Term Oil at \$60 a Barrel?
20-Sep			20% More Oil for the Buck
13-Sep		EOG Resources	Horizontal Leads Renewed U.S. Oil Growth
6-Sep	LUKOY	Lukoil	Capitalist Success with Upside
	For earlier edition	ons, go to mcdep.com, click on Meter	Reader.
Income	and Small Ca	p Weekly	
30-Sep	RRC, WLL, XEO	C, LINE, LGCY	5 Ideas from IPAA San Francisco
	SJT, HGT	San Juan Basin RT, Hugoton RT	Transfer Buy to SJT from HGT
	FRHLF, PBT, SE		Volume Upside in Top Line Cash Payers
9-Sep	, ,,=		A Dime a Gallon
	For earlier edition	ons, go to mcdep.com, click on Energy	Income.





**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.

McDep or its employees may take positions in stocks the firm covers for research purposes. No trades in a subject stock shall be made within a week before or after a change in recommendation.

**Certification:** I, Kurt H. Wulff, certify that the views expressed in this research analysis accurately reflect my personal views about the subject securities and issuers. No part of my compensation was, is, or will be directly or indirectly related to the specific recommendations or views contained in this research analysis.

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 assume the attributes of the underlying business are reflected in the current price of the stock. Sell recommendations are expected to deliver a total return less than inflation.