

Rating: Hold S&P 500: 1408 Intraday

## **Marathon Oil Corporation Hangover from Last Year's Refining Boom**

ymbol MRO Ebitda Next Twelve Months ending 3/31/09 (US\$mm) 10								
Rating	Hold North American Natural Gas/Ebitda (%)							
rice (US\$/sh) 47.86 Natural Gas and Oil Production/Ebitda (%)								
ricing Date 5/1/08 Adjusted Reserves/Production NTM								
Shares (mm)	hares (mm) 717 EV/Ebitda							
Market Capitalization (US\$mm) 34,300 PV/Ebitda								
Debt (US\$mm) 11,200 Undeveloped Reserves (%)								
Enterprise Value (EV) (US\$mm) 45,500 Natural Gas and Oil Ebitda (US\$/boe) 4								
Present Value (PV) (US\$mm) 59,900 Present Value Proven Reserves(US\$/boe) 28.9								
Net Present Value (US\$/share) 68 Present Value Proven Reserves(US\$/mcfe) 4.82								
Debt/Present Value 0.19 Earnings Next Twelve Months (US\$/sh)								
McDep Ratio - EV/PV 0.76 Price/Earnings Next Twelve Months								
Dividend Yield (%/year) 2.0 Indicated Annual Dividend (US\$/sh)								
Note: Estimated cash flow and earnings tied to one-year futures prices for oil and natural gas.								
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\$80 a barrel and natural gas, \$11 a million btu.								
For historical research on Marathon since 2001 see http://www.mcdep.com/3mro.htm								

## **Summary and Recommendation**

Net Present Value (NPV) of \$68 a share for Hold-rated **Marathon Oil Corporation** (**MRO**) may be getting less attention from investors than conditions in the volatile refined products business. Indeed results for the first quarter reported today included sharply lower cash flow for that segment. Projected volumes along with current futures prices promise a continuing high level of unlevered cash flow (Ebitda) (see table Next Twelve Months Operating and Financial Estimates). NPV is supported by projected cash flow capitalized at unlevered multiples (PV/Ebitda) related to reserve life (Adjusted R/P) (see table Functional Cash Flow and Present Value). Last year's acquisition of oil sands boosts oil and gas reserves by 20% (see table Production and Reserves, 2007). The timeliness of that deal is borne out by a continued trend upward in oil price (see chart (Six-Year Commodity Price Meter).

Kurt H. Wulff, CFA

## McDep LLC Independent Stock Idea



May 1, 2008

Q1										
Volume	Marathon Oil Corporation  Next Twelve Months Operating and Financial Estimates									
		Next								
Natural Gas (mmcfd)		Twelve								
Natural Gas (mmcfd)		Months								
Natural Gas (mmcfd)		3/31/09								
U.S. (or North America)   512   474   477   482   482   482   482   483										
Overseas (or Int'l)	, ,									
Total	(or North America)	482								
Days	, ,	647								
Oil (mbd)		1,129								
Total gas & oil (bcf)		365								
Total gas & oil (mbd))   340   369   354   418   418   418   418   419		230								
Price		916								
Natural gas (S/mcf)	tal gas & oil (mbd))	418								
Henry Hub (\$/mmbtu)										
U.S. (or North America)   5.91   5.70   5.73   6.83   9.16   9.79   10.09   8.97	l gas (\$/mcf)									
Overseas (or Int'l)		11.58								
Total	,	9.86								
Oil (\$\sigma\$/bbl)	,	3.35								
WTI Cushing		6.13								
Worldwide										
Total gas & oil (\$/mcf)   7.26   9.59   8.09   10.27   12.05   12.62   12.51   11.87     NY Harbor 3-2-1 (\$/bbl)   11.68   8.19   14.37   7.57   13.66   12.76   9.80   10.95     Revenue (\$mm)	0	115.57								
NY Harbor 3-2-1 (\$/bbl)		104.72								
Revenue (\$mm)		12.36								
Natural Gas		12.07								
U.S. (or North America)         272         249         998         300         402         434         448         1,583           Overseas (or Int'l)         149         186         536         188         134         236         236         793           Total         421         434         1,534         487         535         670         683         2,376           Oil         910         1,520         4,749         1,857         2,216         2,243         2,205         8,522           Other         11,671         16,410         58,924         15,755         15,755         15,755         63,021         6           Total         13,002         18,364         65,207         18,100         18,506         18,668         18,644         73,918         7           Expense         11,459         16,891         57,242         16,240         14,784         15,825         16,421         63,269         6           Ebitda (\$mm)         Exploration and Production         904         1,185         4,268         1,610         1,843         1,951         1,935         7,340           Other         639         288         3,697         250         1,879	(· /									
Overseas (or Int'l)         149         186         536         188         134         236         236         793           Total         421         434         1,534         487         535         670         683         2,376           Oil         910         1,520         4,749         1,857         2,216         2,243         2,205         8,522           Other         11,671         16,410         58,924         15,755         15,755         15,755         63,021         6           Total         13,002         18,364         65,207         18,100         18,506         18,668         18,644         73,918         7           Expense         11,459         16,891         57,242         16,240         14,784         15,825         16,421         63,269         6           Ebitda (\$mm)         Exploration and Production         904         1,185         4,268         1,610         1,843         1,951         1,935         7,340           Other         639         288         3,697         250         1,879         891         288         3,309           Total Ebitda         1,543         1,473         7,965         1,860         3,723										
Total	,	1,736								
Oil         910         1,520         4,749         1,857         2,216         2,243         2,205         8,522           Other         11,671         16,410         58,924         15,755         15,755         15,755         15,755         63,021         6           Total         13,002         18,364         65,207         18,100         18,506         18,668         18,644         73,918         7           Expense         11,459         16,891         57,242         16,240         14,784         15,825         16,421         63,269         6           Ebitda (\$mm)         Exploration and Production         904         1,185         4,268         1,610         1,843         1,951         1,935         7,340           Other         639         288         3,697         250         1,879         891         288         3,309           Total Ebitda         1,543         1,473         7,965         1,860         3,723         2,843         2,223         10,649         1           Exploration         61         190         454         129         129         129         129         516           Deprec., Deplet., & Amort.         393         415	` ′	791								
Other         11,671         16,410         58,924         15,755         15,755         15,755         63,021         63,021           Total         13,002         18,364         65,207         18,100         18,506         18,668         18,644         73,918	tal	2,526								
Total   13,002   18,364   65,207   18,100   18,506   18,668   18,644   73,918   73		8,792								
Expense         11,459         16,891         57,242         16,240         14,784         15,825         16,421         63,269         6           Ebitda (\$mm)         Exploration and Production         904         1,185         4,268         1,610         1,843         1,951         1,935         7,340           Other         639         288         3,697         250         1,879         891         288         3,309           Total Ebitda         1,543         1,473         7,965         1,860         3,723         2,843         2,223         10,649         1           Exploration         61         190         454         129         129         129         129         516           Deprec., Deplet., & Amort.         393         415         1,613         451         457         462         462         1,831           Other non cash         1,000	,	63,021								
Ebitda (\$mm)         Exploration and Production         904         1,185         4,268         1,610         1,843         1,951         1,935         7,340           Other         639         288         3,697         250         1,879         891         288         3,309           Total Ebitda         1,543         1,473         7,965         1,860         3,723         2,843         2,223         10,649         1           Exploration         61         190         454         129         129         129         129         516           Deprec., Deplet., & Amort.         393         415         1,613         451         457         462         462         1,831           Other non cash         1,000		74,338								
Exploration and Production         904         1,185         4,268         1,610         1,843         1,951         1,935         7,340           Other         639         288         3,697         250         1,879         891         288         3,309           Total Ebitda         1,543         1,473         7,965         1,860         3,723         2,843         2,223         10,649         1           Exploration         61         190         454         129         129         129         129         516           Deprec., Deplet., & Amort.         393         415         1,613         451         457         462         462         1,831           Other non cash         1,000 <td< td=""><td></td><td>63,447</td></td<>		63,447								
Other         639         288         3,697         250         1,879         891         288         3,309           Total Ebitda         1,543         1,473         7,965         1,860         3,723         2,843         2,223         10,649         1           Exploration         61         190         454         129         129         129         129         516           Deprec., Deplet., & Amort.         393         415         1,613         451         457         462         462         1,831           Other non cash         1,000		<b>7.7</b> 02								
Total Ebitda         1,543         1,473         7,965         1,860         3,723         2,843         2,223         10,649           Exploration         61         190         454         129         129         129         129         516           Deprec., Deplet., & Amort.         393         415         1,613         451         457         462         462         1,831           Other non cash         1,000         1,000         1,000         1,000         1,000           Ebit         1,089         868         5,898         1,280         2,137         2,252         1,633         7,302           Interest         100         100         100         100         100         400           Ebt         1,089         768         5,798         1,180         2,037         2,152         1,533         6,902	ation and Production	7,583								
Exploration         61         190         454         129         129         129         129         516           Deprec., Deplet., & Amort.         393         415         1,613         451         457         462         462         1,831           Other non cash         1,000	1 E1 '- 1	3,309								
Deprec., Deplet., & Amort.   393   415   1,613   451   457   462   462   1,831     Other non cash   1,000     Ebit   1,089   868   5,898   1,280   2,137   2,252   1,633   7,302     Interest   100   100   100   100   100   100   400     Ebt   1,089   768   5,798   1,180   2,037   2,152   1,533   6,902		10,892								
Other non cash         1,000           Ebit         1,089         868         5,898         1,280         2,137         2,252         1,633         7,302           Interest         100         100         100         100         100         100         400           Ebt         1,089         768         5,798         1,180         2,037         2,152         1,533         6,902		537								
Ebit         1,089         868         5,898         1,280         2,137         2,252         1,633         7,302           Interest         100         100         100         100         100         100         400           Ebt         1,089         768         5,798         1,180         2,037         2,152         1,533         6,902		1,832								
Interest   100   100   100   100   100   400	non cash	F 500								
Ebt 1,089 768 5,798 1,180 2,037 2,152 1,533 6,902		7,523								
	t	400								
	. Т	7,123								
NI (T		2,493								
Net Income (\$mm)	· /									
Exploration and Production   385   402   <b>1,666</b>   711	ation and Production	1								
Other 364 53 2,209 24	4-1									
Unallocated (41) 44 (106) 32		1.000								
Total 708 499 3,769 767 1,324 1,399 996 4,486		4,630								
Shares (millions) 694 713 692 717 717 717 717 717 717 717	/	717								
Per share (\$) 1.02 0.70 5.45 1.07 1.85 1.95 1.39 6.26		6.46								
Ebitda Margin (E&P)   68%   61%   <b>68%</b>   69%   67%   67%   <b>67%</b>   <b>67%</b>   <b>7</b>										

## McDep LLC Independent Stock Idea

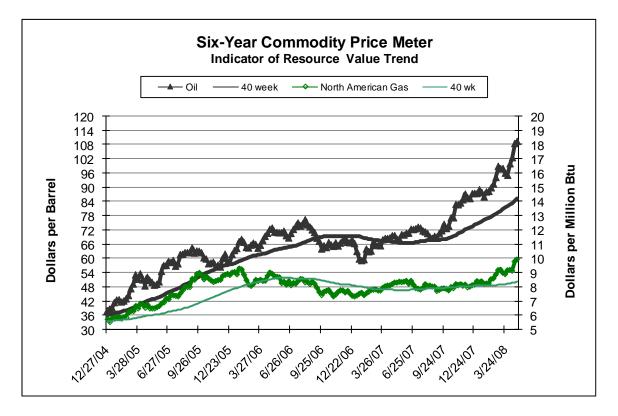


May 1, 2008

Marathon Oil Corporation									
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	1,160	5.0	3.6	4,200	7%				
Rest of World Natural Gas	530	8.7	6.6	3,500	6%				
Oil	5,890	9.3	5.5	32,300	54%				
Downstream	3,310		6.0	20,000	33%				
	8.3	5.5	60,000	100%					
Debt									
Net Present Value (\$mm)					48,800				
Shares		717							
Net Present Value - Standard Estimate (US\$/sh)									
NPV Approximation by Cash Flow Multiple Depending on Reserve Life (US\$/sh)									

	Marathon Oil								
Production and Reserves, 2007									
									NTM
					12/31/	/2007 Proven Re	eserves	Weighted	Adjusted
			2007 P	roduction	Developed	Undeveloped	Weighted	Life Index	R/P
			(daily)	(annual)	(bcf or mmb)	(bcf or mmb)	(bcf or mmb)	(years)	(years)
U.S	S. Natura	l Gas	477	174	761	246	884	5.1	5.0
Rest of World Natural Gas									
	Europe		167	61	173	209	278	4.5	
	Africa		230	84	1,515	546	1,788	21.3	
		Total	397	145	1,688	755	2,066	14.2	8.7
Oil									
	U.S.		63	23	135	31	151	6.5	
	Canada		4	1	219		219	150	
	Europe		36	13	32	83	73	5.6	
	Africa		99	36	304	65	337	9.3	
			201	73	690	179	780	10.6	9.3
Total Oil Equivalent		347	127	1,098	346	1,271	10.0	8.3	





**Disclaimer:** This analysis was prepared by Kurt Wulff, Manager of McDep LLC as of January 1, 2008. Previously Mr. Wulff was doing business as McDep Associates. 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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