Rating: Buy S&P 500: 1482

# **Anadarko Petroleum Corporation Adjust NPV to \$70 a Share on Lower Debt**

| Symbol                         | APC     | Ebitda Next Twelve Months ending 3/31/08 (US\$mm) | 6,610 |
|--------------------------------|---------|---|-------|
| Rating                         | Buy     | North American Natural Gas/Ebitda (%)             | 48    |
| Price (US\$/sh)                | 46.66   | Natural Gas and Oil Production/Ebitda (%)         | 96    |
| Pricing Date                   | 4/30/07 | Adjusted Reserves/Production NTM                  | 11.2  |
| Shares (mm)                    | 465     | EV/Ebitda   | 6.5   |
| Market Capitalization (US\$mm) | 21,700  | PV/Ebitda   | 8.1   |
| Debt (US\$mm)                  | 21,000  | Undeveloped Reserves (%)                          | 34    |
| Enterprise Value (EV) (US\$mm) | 42,700  | Natural Gas and Oil Ebitda (US\$/boe)             | 34.91 |
| Present Value (PV) (US\$mm)    | 53,600  | Present Value Proven Reserves(US\$/boe)           | 20.11 |
| Net Present Value (US\$/share) | 70      | Present Value Proven Reserves(US\$/mcfe)          | 3.35  |
| Debt/Present Value             | 0.39    | Earnings Next Twelve Months (US\$/sh)             | 4.05  |
| McDep Ratio - EV/PV            | 0.80    | Price/Earnings Next Twelve Months                 | 12    |
| Dividend Yield (%/year)        | 1.5     | Indicated Annual Dividend (US\$/sh)               | 0.72  |

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\$60 a barrel and natural gas, \$10 a million btu. For historical analysis of APC since 2003 see <a href="https://www.mcdep.com/lapc.htm">www.mcdep.com/lapc.htm</a>

#### **Summary and Recommendation**

First quarter 2007 results reported at 9:00 pm Eastern Time on April 30 support estimated unlevered present value for buy-recommended **Anadarko Petroleum** (**APC**) while we adjust net present value (NPV) to \$70 a share from \$75 a share as Debt/Present Value declines to 0.39 from 0.44. A leading resource position in the deep water Gulf of Mexico supports estimated NPV that otherwise looks high considering a correlation with reserve life and cash flow for some thirty companies (see table <u>Functional Cash Flow and Present Value</u>). High-tax Algeria accounted for 9% of weighted oil equivalent reserves at year end before 2007 asset sales (see table <u>Production and Reserves, 2006</u>). The drop in Debt/Present Value confirms that Chief Executive Jim Hackett has gotten past the most vulnerable time in reshaping the company with large acquisitions and divestitures. Prospects have become more appealing since natural gas for delivery over the next six years, priced currently at \$8.30 a million Btu, resumed an uptrend by crossing above the 40-week average in recent weeks (see chart, <u>Six-Year Commodity Price Meter</u>). Back above the 200-day average price signifying a stock currently in favor, APC has a full unlevered weighting in our illustrative energy portfolio concentrated on real assets that promise a high return providing clean fuel for global growth.

Kurt H. Wulff, CFA

## Anadarko Petroleum Corporation Functional Cash Flow and Present Value

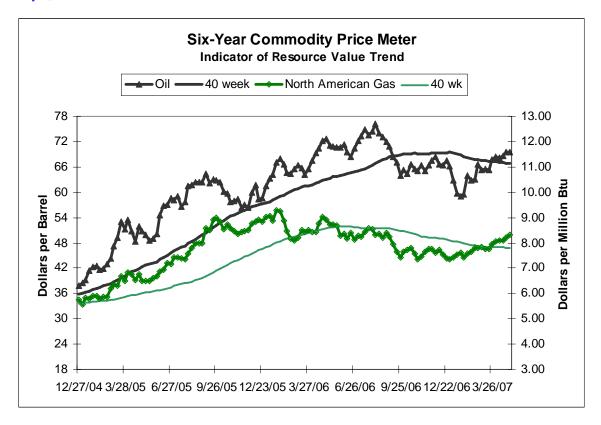
|  | NTM Ebitda<br>(US\$mm) | Adjusted<br><u>R/P</u> | PV/<br><u>Ebitda</u> | Present<br>Value<br><u>(US\$mm)</u> |        |
|--|------------------------|------------------------|----------------------|-------------------------------------|--------|
| North American Natural Gas                                 | 3,180                  | 12.2                   | 8.8                  | 28,000                              | 52%    |
| Oil  | 3,170                  | 10.0                   | 7.6                  | 24,200                              | 45%    |
| Downstream   | 260                    |                        | 5.4                  | 1,400                               | 3%     |
|  | 6,610                  | 11.2                   | 8.1                  | 53,600                              | 100%   |
| Debt (US\$mm)  |                        |                        |                      |                                     | 21,000 |
| Net Present Value (US\$mm)                                 |                        |                        |                      |                                     | 32,600 |
| Shares (mm)  |                        |                        |                      |                                     | 465    |
| Net Present Value - Standard Estimate (US\$/sh)            |                        |                        |                      |                                     |        |
| Net Present Value - Approximation by Correlation (US\$/sh) |                        |                        |                      |                                     |        |

### Anadarko Petroleum Production and Reserves, 2006

|                           |                |                 | <u>12/31/2006 Proven Reserves</u> |              |              | Weighted       |
|---------------------------|----------------|-----------------|-----------------------------------|--------------|--------------|----------------|
|                           | 2006 Pr        | roduction       | Developed                         | Undeveloped  | Weighted     | Life Index     |
|                           | <u>(daily)</u> | <u>(annual)</u> | (bcf or mmb)                      | (bcf or mmb) | (bcf or mmb) | <u>(years)</u> |
| Natural Gas - U.S.<br>Oil | 1,529          | 558             | 7,618                             | 2,868        | 9,052        | 16.2           |
| U.S.                      | 148            | 54              | 505                               | 420          | 715          | 13.2           |
| Algeria                   | 60             | 22              | 176                               | 111          | 232          | 10.5           |
| Other                     | 22             | 8               | 38                                | 14           | 45           | 5.6            |
|                           | 230            | 84              | 719                               | 545          | 992          | 11.8           |
| Total Oil Equivalent      | 485            | 177             | 1,989                             | 1,023        | 2,500        | 14.1           |

# Anadarko Petroleum Corporation Next Twelve Months Operating and Financial Estimates

| Volume           Natural Gas (mmcfd)         1,366         2,226         2,204         1,730         1,730         1,847         1,730           Oil (mbd)         191         294         286         230         230         230         244         230           Total gas & oil (bcf)         226         367         353         283         286         286         1,208         280           Total gas & oil (mmcfd)         2,512         3,990         3,920         3,110         3,110         3,310         3,110           Price           Natural gas (\$/mcf)         8.97         6.57         6.81         7.66         8.11         8.98         7.89         9.90           Company (\$/mcf)         7.62         5.55         6.24         7.02         7.44         8.23         6.73         9.07           Oil (\$/bbl)         WTI Cushing         63.33         59.99         58.08         65.13         68.03         69.72         65.24         70.68           Worldwide         54.85         50.79         51.20         57.43         59.98         61.47         57.19         62.32           Total gas & oil (\$/mcf)         8.36         6.89 <t< th=""><th>1,730</th></t<> | 1,730      |
|--|------------|
| Oil (mbd)         191         294         286         230         230         244         230           Total gas & oil (bcf)         226         367         353         283         286         286         1,208         280           Total gas & oil (mmcfd)         2,512         3,990         3,920         3,110         3,110         3,310         3,310         3,110           Price           Natural gas (\$/mcf)         8.97         6.57         6.81         7.66         8.11         8.98         7.89         9.90           Company (\$/mcf)         7.62         5.55         6.24         7.02         7.44         8.23         6.73         9.07           Oil (\$/bbl)         WTI Cushing         63.33         59.99         58.08         65.13         68.03         69.72         65.24         70.68           Worldwide         54.85         50.79         51.20         57.43         59.98         61.47         57.19         62.32   | 1,730      |
| Total gas & oil (bcf) 226 367 353 283 286 286 1,208 280 Total gas & oil (mmcfd) 2,512 3,990 3,920 3,110 3,110 3,110 3,310 3,110  Price  Natural gas (\$/mcf)  Henry Hub (\$/mmbtu) 8.97 6.57 6.81 7.66 8.11 8.98 7.89 9.90  Company (\$/mcf) 7.62 5.55 6.24 7.02 7.44 8.23 6.73 9.07  Oil (\$/bbl)  WTI Cushing 63.33 59.99 58.08 65.13 68.03 69.72 65.24 70.68  Worldwide 54.85 50.79 51.20 57.43 59.98 61.47 57.19 62.32   | ,          |
| Total gas & oil (mmcfd) 2,512 3,990 3,920 3,110 3,110 3,110 3,310 3,110 Price  Natural gas (\$/mcf)  Henry Hub (\$/mmbtu) 8.97 6.57 6.81 7.66 8.11 8.98 7.89 9.90 Company (\$/mcf) 7.62 5.55 6.24 7.02 7.44 8.23 6.73 9.07 Oil (\$/bbl)  WTI Cushing 63.33 59.99 58.08 65.13 68.03 69.72 65.24 70.68 Worldwide 54.85 50.79 51.20 57.43 59.98 61.47 57.19 62.32   | 230        |
| Price         Natural gas (\$/mcf)         Henry Hub (\$/mmbtu)       8.97       6.57       6.81       7.66       8.11       8.98       7.89       9.90         Company (\$/mcf)       7.62       5.55       6.24       7.02       7.44       8.23       6.73       9.07         Oil (\$/bbl)         WTI Cushing       63.33       59.99       58.08       65.13       68.03       69.72       65.24       70.68         Worldwide       54.85       50.79       51.20       57.43       59.98       61.47       57.19       62.32  | 1,135      |
| Natural gas (\$/mcf) Henry Hub (\$/mmbtu) 8.97 6.57 6.81 7.66 8.11 8.98 <b>7.89</b> 9.90 Company (\$/mcf) 7.62 5.55 6.24 7.02 7.44 8.23 <b>6.73</b> 9.07 Oil (\$/bbl) WTI Cushing 63.33 59.99 58.08 65.13 68.03 69.72 <b>65.24</b> 70.68 Worldwide 54.85 50.79 51.20 57.43 59.98 61.47 <b>57.19</b> 62.32  | 3,110      |
| Henry Hub (\$/mmbtu) 8.97 6.57 6.81 7.66 8.11 8.98 <b>7.89</b> 9.90 Company (\$/mcf) 7.62 5.55 6.24 7.02 7.44 8.23 <b>6.73</b> 9.07 Oil (\$/bbl) WTI Cushing 63.33 59.99 58.08 65.13 68.03 69.72 <b>65.24</b> 70.68 Worldwide 54.85 50.79 51.20 57.43 59.98 61.47 <b>57.19</b> 62.32   |            |
| Company (\$/mcf)       7.62       5.55       6.24       7.02       7.44       8.23       6.73       9.07         Oil (\$/bbl)       WTI Cushing       63.33       59.99       58.08       65.13       68.03       69.72       65.24       70.68         Worldwide       54.85       50.79       51.20       57.43       59.98       61.47       57.19       62.32  |            |
| Oil (\$/bbl)         WTI Cushing       63.33       59.99       58.08       65.13       68.03       69.72       65.24       70.68         Worldwide       54.85       50.79       51.20       57.43       59.98       61.47       57.19       62.32   | 8.66       |
| WTI Cushing 63.33 59.99 58.08 65.13 68.03 69.72 <b>65.24</b> 70.68 Worldwide 54.85 50.79 51.20 57.43 59.98 61.47 <b>57.19</b> 62.32  | 7.44       |
| Worldwide 54.85 50.79 51.20 57.43 59.98 61.47 <b>57.19</b> 62.32   |            |
|  | 68.39      |
| $T_{-+} = 0$ = $\frac{1}{2} \left( \frac{\theta}{\theta} - \frac{\theta}{\theta} \right)$  | 60.29      |
| Total gas & oil (\$/mcf) 8.36 6.89 7.03 7.91 8.32 8.84 <b>7.97</b> 9.34  | 8.60       |
| Revenue (\$mm)   |            |
| Natural Gas 948 1,156 1,161 1,037 1,110 1,229 <b>4,537</b> 1,325   | 4,701      |
| Oil 943 1,374 1,318 1,202 1,269 1,301 <b>5,090</b> 1,290   | 5,062      |
| Other 63 649 204 204 204 204 <b>816</b> 204  | 816        |
| Total 1,954 3,179 2,683 2,442 2,583 2,733 <b>10,442</b> 2,819 <b>1</b>   | 10,578     |
| <b>Expense</b> 516 1,470 897 922 972 1,024 <b>3,815</b> 1,054  | 3,972      |
| Ebitda (\$mm)  |            |
| Exploration and Production 1,438 1,644 1,721 1,455 1,546 1,644 <b>6,367</b> 1,700  | 6,346      |
| Other 65 65 65 65 65 <b>260</b> 65   | 260        |
| Total 1,438 1,709 1,786 1,520 1,611 1,709 <b>6,627</b> 1,765   | 6,606      |
| Deprec., Deplet., & Amort. 360 775 845 678 678 678 <b>2,879</b> 678  | 2,711      |
| Hedging and other 13 (79)  |            |
| <b>Ebit</b> 1,065 1,014 941 842 934 1,031 <b>3,748</b> 1,087   | 3,894      |
| Interest 51 357 310 249 249 249 <b>1,056</b> 249   | 995        |
| <b>Ebt</b> 1,014 657 631 594 685 783 <b>2,692</b> 838  | 2,899      |
| Income Tax 355 230 157 208 240 274 <b>878</b> 293  | 1,015      |
| <b>Net Income (\$mm)</b> 659 427 474 386 445 509 <b>1,814</b> 545  | 1,885      |
| <b>Shares</b> (millions) 464 464 465 465 465 465 465 465   | 465        |
| Per share (\$) 1.42 0.92 1.02 0.83 0.96 1.09 <b>3.90</b> 1.17  | 4.05       |
| Ebitda Margin (E&P) 76% 65% 65% 65% 65% 65% 65% 65% 65%  | <b>62%</b> |
| Tax Rate 35% 35% 25% 35% 35% 35% 35% 35%   | 35%        |



**Disclaimer:** This analysis was prepared by Kurt Wulff 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.

McDep does no investment banking business. McDep is not paid by covered companies including revenue from advertising, trading, consulting, subscriptions or research service. McDep shall not own more than 1% of outstanding stock in a covered company. No one at McDep is on the Board of Directors at a covered company nor is anyone at a covered company on the Board of Directors of McDep.

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 Associates is an independent research originator focused on oil and gas stocks exclusively. The firm applies the thirty 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.