

## Occidental Petroleum (OXY) Triple California Oil Production by 2020

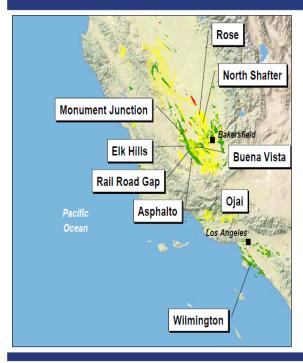
| Symbol  | OXY              | Ebitda Next Twelve Months ending 3/31/12 (US\$mm)                  | 13,800     |  |  |  |  |
|---|------------------|--|------------|--|--|--|--|
| Rating  | Buy              | North American Natural Gas/Ebitda (%)                              | 6          |  |  |  |  |
| Price (US\$/sh)   | 107.85           | Natural Gas and Oil Production/Ebitda (%)                          | 91         |  |  |  |  |
| Pricing Date  | 5/31/11          | Adjusted Reserves/Production NTM                                   | 11.3       |  |  |  |  |
| Shares (mm)   | 813              | EV/Ebitda  | 6.9        |  |  |  |  |
| Market Capitalization (US\$mm)  | 87,700           | PV/Ebitda  | 7.8        |  |  |  |  |
| Debt (US\$mm)   | 7,900            | Undeveloped Reserves (%)   | 25         |  |  |  |  |
| Enterprise Value (EV) (US\$mm)  | 95,600           | Natural Gas and Oil Ebitda (US\$/boe)                              | 46.90      |  |  |  |  |
| Present Value (PV) (US\$mm)   | 108,000          | Present Value Proven Reserves(US\$/boe)                            | 28.60      |  |  |  |  |
| Net Present Value (US\$/share)  | 123              | Present Value Proven Reserves(US\$/mcfe)                           | 4.77       |  |  |  |  |
| Debt/Present Value  | 0.07             | Earnings Next Twelve Months (US\$/sh)                              | 7.73       |  |  |  |  |
| McDep Ratio - EV/PV   | 0.89             | Price/Earnings Next Twelve Months                                  | 14         |  |  |  |  |
| Dividend Yield (%/year)   | 1.7              | Indicated Annual Dividend (US\$/sh)                                | 1.84       |  |  |  |  |
| Note: Estimated cash flow and   | earnings tied to | o one-year futures prices for oil and natural gas.                 |            |  |  |  |  |
| Reported results may var  | y widely from    | estimates. Estimated present value per share revised only infre    | quently.   |  |  |  |  |
| Estimated present value p   | oresumes a long  | g-term price for oil of US\$100 a barrel and natural gas, \$8 a mi | llion btu. |  |  |  |  |
| For historical analysis of OXY since 2000 see <a href="https://www.mcdep.com/3oxy.htm">www.mcdep.com/3oxy.htm</a> |                  |  |            |  |  |  |  |

## **Summary and Recommendation**

Surprising shale oil and conventional oil potential in California outweigh the actual and potential loss of oil production in Libya and Yemen in our positive outlook for buy-recommended Occidental Petroleum (OXY). Management expectations of 200 thousand barrels equivalent daily (mboed) from unconventional shale formations under OXY land in California may make the new play the company's largest business unit in ten years (see slide Shale on page 2). A "back of the envelope" calculation leads to 10 billion barrels of ultimate recovery presuming 200,000 acres, one well for each ten acres and a half million barrels from each well. The company's total global reserves today are 3.4 billion barrels equivalent. Also, spurred by a major discovery two years ago, California conventional oil production is expected to reach 200 mboed by 2014 compared to 139 mboed last year. Outside California, OXY is the top oil producer in Texas where yet another oil boom is under way in the Permian Basin, the company's largest business unit with 197 bood production from 1.2 billion barrels of reserves. Little if any of the CA Shale is included in estimated Net Present Value (NPV) of \$123 a share (see table Functional Cash Flow and Present Value on page 2). NPV is tied primarily to proven reserves and near-term cash flow (see tables Production and Reserves 2010 on page 3 and Next Twelve Months Operating and Financial Estimates on page 4). Meanwhile, the industry outlook is strengthened with both oil and natural gas in price uptrends (see tables Six-Year Commodity Price Meter on page 3 and Six-Year and One-Year Natural Gas and Oil Futures on page 10). Among large cap stocks, OXY is the largest and most oil-concentrated of U.S. Independents as well as having low debt, low cash flow multiple (EV/Ebitda) and a stock price uptrend (see Tables 1-4 on pages 5-8).

Kurt H. Wulff, CFA

## California Unconventional "Shale" Program



- We have a multi-year inventory of drill sites in California, many of which are both outside of Elk Hills proper and the Kern County Discovery Area.
- The program pace is limited by permitting and general infrastructure issues.
- Based on a conservative view of the permitting process, we expect to drill at least 107 shale wells outside Elk Hills proper in 2011.



| Occidental                                      | Petroleum (  | Corporation   | n             |          |         |
|---|--------------|---------------|---------------|----------|---------|
| Functional Ca                                   | sh Flow and  | Present Va    | alue          |          |         |
|   |              |               |               | Present  |         |
| Λ   | ITM Ebitda   | Adjusted      | PV/           | Value    |         |
|   | (US\$mm)     | <u>R/P</u>    | <u>Ebitda</u> | (US\$mm) |         |
|   |              |               |               |          |         |
| U.S. Natural Gas                                | 796          | 10.9          | 11.3          | 9,000    | 8%      |
| Rest of World Natural Gas                       | 108          | 12.9          | 9.3           | 1,000    | 1%      |
| Oil   | 11,637       | 11.1          | 7.9           | 91,900   | 85%     |
| Downstream                                      | 1,252        |               | 4.8           | 6,000    | 6%      |
|   | 13,792       | 11.3          | 7.8           | 107,900  | 100%    |
| Debt (US\$mm)                                   |              |               |               |          | 7,900   |
| Net Present Value (US\$mm)                      |              |               |               |          | 100,000 |
| Shares (mm)                                     |              |               |               |          | 813     |
| Net Present Value - Standard Estimate (US\$/sh) |              |               |               |          | 123     |
| NPV Approximation by Cash Flow Multiple Dep     | ending on Re | eserve Life ( | US\$/sh)      |          | 115     |



|                            |                | Occ      | idental Petro | leum           |                |            |          |
|----------------------------|----------------|----------|---------------|----------------|----------------|------------|----------|
|                            |                | Product  | ion and Reser | ves, 2010      |                |            |          |
|                            |                |          |               |                |                |            | NTM      |
|                            |                |          | 12/31/        | 2010 Proven Re | <u>eserves</u> | Weighted   | Adjusted |
|                            | 2010 Pro       | oduction | Developed     | Undeveloped    | Weighted       | Life Index | R/P      |
|                            | <u>(daily)</u> | (annual) | (bcf or mmb)  | (bcf or mmb)   | (bcf or mmb)   | (years)    | (years)  |
| North American Natural Gas |                |          |               |                |                |            |          |
| U.S.                       | 677            | 247      | 2,407         | 1,027          | 2,921          | 11.8       | 10.9     |
| Rest of World Natural Gas  |                |          |               |                |                |            |          |
| Latin America              | 49             | 18       | 158           | 80             | 198            | 11.0       |          |
| Middle East/North Africa   | 455            | 166      | 1,665         | 383            | 1,857          | 11.2       |          |
| Total                      | 504            | 184      | 1,823         | 463            | 2,055          | 11.2       | 12.9     |
| Oil                        |                |          |               |                |                |            |          |
| U.S.                       | 271            | 99       | 1,289         | 408            | 1,493          | 15.1       |          |
| Latin America              | 74             | 27       | 160           | 96             | 208            | 7.7        |          |
| Middle East/North Africa   | 205            | 75       | 427           | 96             | 475            | 6.3        |          |
| Total                      | 551            | 201      | 1,876         | 600            | 2,176          | 10.8       | 11.1     |
| Total Oil Equivalent       | 747            | 273      | 2,581         | 848            | 3,005          | 11.0       | 11.3     |

Weighted Life Index counts undeveloped reserves at half stated value and is computed on latest calendar year volume. NTM Adjusted R/P also counts undeveloped reserves at half and is computed on next twelve months production.





|                            | NT. 4 /       | т          | Occidenta     |                |          | D-4*4        |              |                |                |
|----------------------------|---------------|------------|---------------|----------------|----------|--------------|--------------|----------------|----------------|
|                            | Next          | Twelve Mo  | nths Opera    | ating and H    | inancial | Estimates    |              |                | 37 /           |
|                            |               |            |               |                |          |              |              |                | Next<br>Twelve |
|                            | 02            | <b>X</b> 7 | 0.1           | 025            | 025      | 045          | ¥7           | 015            |                |
|                            | Q2<br>6/30/10 | Year 2010  | Q1<br>3/31/11 | Q2E<br>6/30/11 | Q3E      | Q4E          | Year         | Q1E<br>3/31/12 | Months 3/31/12 |
| Volume                     | 0/30/10       | 2010       | 3/31/11       | 0/30/11        | 9/30/11  | 12/31/11     | 2011E        | 3/31/12        | 3/31/12        |
|                            |               |            |               |                |          |              |              |                |                |
| Natural Gas (mmcfd)        | <b>CO1</b>    | (70        | 734           | 724            | 734      | 734          | 734          | 734            | 736            |
| U.S. (or North America)    | 681<br>491    | 678<br>495 | 435           | 734<br>435     | 435      | 435          | 435          | 435            | 436            |
| Overseas (or Int'l) Total  | 1,172         | 1,173      | 1,169         |                | 1,169    |              |              | 1,169          | 1,172          |
|                            | 548           | 542        |               | 1,169          | -        | 1,169<br>535 | 1,169<br>535 | 535            | 535            |
| Oil (mbd)                  |               |            | 535           | 535            | 535      |              |              |                |                |
| Total gas & oil (mmb)      | 68            | 269        | 66            | 66             | 67       | 67           | 266          | 66             | 267            |
| Total gas & oil (mbd)      | 743           | 738        | 730           | 730            | 730      | 730          | 730          | 730            | 730            |
| Price                      |               |            |               |                |          |              |              |                |                |
| Natural gas (\$/mcf)       | 4.00          | 4.40       | 4 1 1         | 4.40           | 1.60     | 4.00         | 4.50         | 1.00           | 1.00           |
| Henry Hub (\$/mmbtu)       | 4.09          | 4.40       | 4.11          | 4.42           | 4.68     | 4.88         | 4.52         | 4.66           | 4.66           |
| U.S. (or North America)    | 4.19          | 4.53       | 4.21          | 4.53           | 4.79     | 5.00         | 4.64         | 4.78           | 4.77           |
| Overseas (or Int'l)        | 1.11          | 1.09       | 1.09          | 1.09           | 1.09     | 1.09         | 1.09         | 1.09           | 1.09           |
| Total                      | 2.90          | 3.08       | 3.05          | 3.25           | 3.41     | 3.55         | 3.32         | 3.41           | 3.40           |
| Oil (\$/bbl)               |               |            | 0.4.4.0       | 404-4          |          |              | 404.40       |                | 40.5.5         |
| WTI Cushing                | 77.85         | 79.43      | 94.10         | 104.64         | 103.07   | 104.14       | 101.49       | 102.74         | 103.65         |
| Worldwide                  | 72.13         | 73.59      | 87.03         | 96.77          | 95.32    | 96.31        | 93.89        | 95.02          | 95.86          |
| Total gas & oil (\$/bbl)   | 57.74         | 58.99      | 68.68         | 76.15          | 75.34    | 76.28        | 74.14        | 75.11          | 75.72          |
| Revenue (\$mm)             |               |            |               |                |          |              |              |                |                |
| Natural Gas                |               |            |               |                |          |              |              |                |                |
| U.S. (or North America)    | 260           | 1,120      | 278           | 303            | 323      | 338          | 1,242        | 319            | 1,283          |
| Overseas (or Int'l)        | 50            | 196        | 43            | 43             | 44       | 44           | 173          | 43             | 174            |
| Total                      | 309           | 1,316      | 321           | 346            | 367      | 381          | 1,415        | 362            | 1,457          |
| Oil                        | 3,595         | 14,567     | 4,190         | 4,711          | 4,692    | 4,740        | 18,334       | 4,626          | 18,769         |
| Ebitda (\$mm)              |               |            |               |                |          |              |              |                |                |
| Exploration and Production | 2,403         | 9,631      | 3,230         | 3,135          | 3,137    | 3,175        | 12,677       | 3,093          | 12,540         |
| Other                      | 209           | 1,251      | 213           | 209            | 438      | 393          | 1,252        | 213            | 1,252          |
| Total Ebitda               | 2,611         | 10,882     | 3,443         | 3,344          | 3,574    | 3,568        | 13,929       | 3,306          | 13,792         |
| Exploration                | 73            | 267        | 49            | 85             | 85       | 85           | 304          | 100            | 355            |
| Deprec., Deplet., & Amort. | 876           | 3,407      | 890           | 890            | 890      | 890          | 3,560        | 890            | 3,560          |
| Ebit                       | 1,662         | 7,208      | 2,504         | 2,369          | 2,599    | 2,593        | 10,065       | 2,316          | 9,877          |
| Interest                   | 22            | 97         | 51            | 51             | 51       | 51           | 204          | 51             | 204            |
| Ebt                        | 1,640         | 7,111      | 2,453         | 2,318          | 2,548    | 2,542        | 9,861        | 2,265          | 9,673          |
| Income Tax                 | 574           | 2,489      | 858           | 811            | 892      | 890          | 3,452        | 793            | 3,386          |
| Net Income (\$mm)          |               |            |               |                |          |              |              |                |                |
| Exploration and Production | 1,853         | 7,358      | 2,510         |                |          |              |              |                |                |
| Other                      | 121           | 910        | 124           |                |          |              |              |                |                |
| Unallocated                | (908)         | (3,646)    | (1,040)       |                |          |              |              |                |                |
| Total                      | 1,066         | 4,622      | 1,594         | 1,507          | 1,656    | 1,653        | 6,410        | 1,472          | 6,288          |
| Shares (millions)          | 814           | 814        | 813           | 813            | 813      | 813          | 813          | 813            | 813            |
| Per share (\$)             | 1.31          | 5.68       | 1.96          | 1.85           | 2.04     | 2.03         | 7.88         | 1.81           | 7.73           |
| Ebitda Margin (E&P)        | 62%           | 61%        | 72%           | 62%            | 62%      | 62%          | 64%          | 62%            | 62%            |
| Tax Rate                   | 35%           | 35%        | 35%           | 35%            | 35%      | 35%          | 35%          | 35%            | 35%            |



|   |              |     |                | Table        |                    |          |             |           |        |      |
|---|--------------|-----|----------------|--------------|--------------------|----------|-------------|-----------|--------|------|
|   | Mo           | De  | ep Larg        | ge Cap       | Energy P           | ortfolio | )           |           |        |      |
|   | Geogra       | ph  | ic Dom         | icile an     | d Busines          | s Segm   | ents        |           |        |      |
|   |              |     |                |              |                    | D        | . 17. 1. 1  | C         | . (0() |      |
|   |              |     | n .            |              |                    |          | nt Value by | Segmen    | t (%)  |      |
|   |              |     | Price          | FI/          | Г.                 | North    | Rest        |           |        |      |
|   | 1 1/0 .      |     | (US\$/sh)      | EV/          | Enterprise         | Amer.    | U           | 0.1       | D      | 14 D |
|   | ymbol/Rat    | - 0 | 31-May         | Market       | Value              | Natural  | Natural     |           | Down-  | McDe |
| B = Buy, C  | B (see bel   | ow) | 2011           | Сар          | (\$mm)             | Gas      | Gas         | Prod'n    | stream | Rati |
| U.S. Integrated   | MDO          | D   | 54.17          | 1.00         | 40.500             |          | 3           | 69        | 22     | 0.83 |
| Marathon Oil Corporation                                  | MRO          |     | 54.17          | 1.28         | 49,500             | 6        | 19          | 56        |        |      |
| Exxon Mobil Corporation                                   | XOM          |     | 83.47          | 1.16         | 482,000            | 3        | 19          | 77        | 16     | 0.77 |
| Chevron Corporation                                       | CVX          |     | 104.91         | 1.13         | 238,000            | 14       |             |           | 10     |      |
| ConocoPhillips  | COP          | В   | 73.22          | 1.39         | 147,000            | 14       | 10          | 63        | 13     | 0.69 |
| Total or Median   |              |     |                |              | 917,000            |          |             | 66        |        | 0.74 |
| Europe  | DDCVE        |     | 22.24          | 1.16         | 01.500             |          | 26          | 1.0       | 20     | 0.04 |
| BG Group  | BRGXF        | D   | 23.24          | 1.16         | 91,500             | 2        | 26          | 46        | 28     | 0.94 |
| Royal Dutch Shell plc                                     | RDS-A<br>STO |     | 71.49          | 1.30         | 286,000            | 3        | 36          | 54<br>64  | 21     | 0.79 |
| Statoil ASA (33%)   | BP           | В   | 26.33<br>46.24 |              | 40,200<br>237,000  | 5        | 9           | 67        | 19     |      |
| BP plc<br>Total S.A.                                      | TOT          | ъ   | 57.63          | 1.62         | 167,000            | 3        | 18          | 68        | 19     | 0.62 |
| Total or Median   | 101          | В   | 37.03          | 1.29         |                    |          | 18          | 64        | 14     |      |
|   | _            |     |                |              | 822,000            |          |             | 04        |        | 0.68 |
| Brazil/Russia/Australia/Chin                              |              |     | 250.41         | 1.04         | 20.600             |          | 0           | 0.2       |        | 1.12 |
| CNOOC Limited (34%)                                       | CEO          | ъ   | 250.41         | 1.04         | 39,600             |          | 8           | 92        | -      | 1.13 |
| Woodside Petroleum Ltd.                                   | WOPEY        |     | 50.00          | 1.16         | 45,000             |          | 67<br>13    | 69        | 18     | 0.73 |
| PetroChina Company Ltd (14%)                              | PBR          |     |                |              | 46,200             |          | 2           |           |        |      |
| Petrobras   | OGZPY        |     | 34.63<br>14.75 | 1.26<br>1.24 | 285,000<br>105,000 |          | 80          | 83<br>20  | 15     | 0.61 |
| Gazprom (50%)   |              |     |                |              |                    |          | 80          |           |        |      |
| Lukoil Oil Company  | LUKOY        | В   | 64.30          | 1.12         | 56,000             |          |             | 67        | 33     | 0.46 |
| Total or Median   |              |     |                |              | 577,000            |          |             | 67        |        | 0.67 |
| U.S. Independent  | CNAN         |     | 42.77          | 1.00         | 16700              | 100      |             |           |        | 1.04 |
| Southwestern Energy Company                               | SWN          |     | 43.77          | 1.09         | 16,700             | 100      |             | <b>CO</b> | -      | 1.04 |
| Anadarko Petroleum Corp.                                  | APC          |     | 79.52          | 1.53         | 60,600             | 37       |             | 60<br>17  | 3      | 1.01 |
| Chesapeake Energy Corp.                                   | CHK          | D   | 31.34          | 1.69         | 39,500             | 83       | 1           | 85        | -      | 0.97 |
| Occidental Petroleum Corp.                                | OXY          |     | 107.85         | 1.09         | 95,600             | 45       | 5           | 50        | 6      | 0.86 |
| EOG Resources, Inc.                                       | EOG<br>DVN   |     | 109.14         | 1.19         | 32,500             | 54       | 3           |           |        |      |
| Devon Energy Corporation  Total or Median                 | DVN          | В   | 84.07          | 1.11         | 40,200             | 54       |             | 46<br>50  | -      | 0.77 |
|   |              |     |                |              | 285,000            |          |             | 30        |        | 0.93 |
| Canada  Dann West Eupleration                             | PWE          |     | 25.05          | 1 24         | 15 200             | 17       |             | 02        | _      | 0.07 |
| Penn West Exploration                                     |              | ъ   | 25.95          | 1.34         | 15,300             | 17       |             | 83<br>86  | 11     | 0.87 |
| Imperial Oil Limited (30%)                                | IMO          |     | 49.58          | 1.09         | 13,900             |          |             |           |        | 0.81 |
| Cenovus Energy Inc.                                       | CVE<br>ECA   |     | 37.09<br>34.12 | 1.28         | 35,700             | 19<br>91 |             | 75        | 6      | 0.80 |
| EnCana Corporation  | SU           |     |                | 1.42         | 35,900<br>82,200   | 4        |             | 88        | 9      |      |
| Suncor Energy<br>Canadian Natural Resources Lir           |              | D   | 41.90<br>43.61 | 1.25         | 59,300             | 13       |             | 88<br>87  | -      | 0.70 |
| Canadian Natural Resources Lir Canadian Oil Sands Limited | COSWF        | D   | 31.30          | 1.25         | 16,900             | 13       |             | 100       | -      | 0.70 |
|   | COSWF        | D   | 51.50          | 1.11         | 259,000            |          |             | 87        | -      |      |
| Total or Median   |              |     |                |              | 239,000            |          |             | 0/        |        | 0.74 |
| Composite   |              |     |                |              | 2,860,000          | 9        | 14          | 63        | 13     | 0.71 |



|                                    | 1cDep 1    | I are  | ~ T        | _          |           |           |         |       |
|------------------------------------|------------|--------|------------|------------|-----------|-----------|---------|-------|
|                                    |            | ∟ar≀   | ge Cap E   | Energy I   | Portfolio |           |         |       |
|                                    | et Pres    |        | _          |            | ep Ratio  |           |         |       |
|                                    |            |        |            |            | •         |           |         |       |
|                                    |            |        | Price      |            |           | Net       |         |       |
|                                    |            |        | (US\$/sh)  |            | Market    | Present   | Debt/   |       |
|                                    | Symbol/Re  | ating  | 31-May     | Shares     | Сар       | Value     | Present | McDep |
| B = Buy,                           | CB (see b  | elow)  | 2011       | (mm)       | (US\$mm)  | (US\$/sh) | Value   | Ratio |
| U.S. Integrated                    |            |        |            |            |           |           |         |       |
| Marathon Oil Corporation           | MRO        | В      | 54.17      | 715        | 38,730    | 68.00     | 0.18    | 0.83  |
| Exxon Mobil Corporation            | XOM        | В      | 83.47      | 4,971      | 415,000   | 112.00    | 0.11    | 0.77  |
| Chevron Corporation                | CVX        | В      | 104.91     | 2,009      | 211,000   | 154.00    | 0.08    | 0.71  |
| ConocoPhillips                     | COP        | В      | 73.22      | 1,445      | 106,000   | 119.00    | 0.19    | 0.69  |
| Total or Median                    |            |        |            |            | 771,000   |           | 0.14    | 0.74  |
| Europe                             |            |        |            |            |           |           |         |       |
| BG Group plc                       | BRGXF      |        | 23.24      | 3,407      | 79,200    | 25.00     | 0.13    | 0.94  |
| Royal Dutch Shell plc              | RDS-A      | В      | 71.49      | 3,087      | 221,000   | 96.00     | 0.18    | 0.79  |
| Statoil ASA (33%)                  | STO        | В      | 26.33      | 1,050      | 27,700    | 44.00     | 0.21    | 0.68  |
| BP plc                             | BP         |        | 46.24      | 3,168      | 147,000   | 93.00     | 0.24    | 0.62  |
| Total S.A.                         | TOT        | В      | 57.63      | 2,251      | 130,000   | 111.00    | 0.13    | 0.58  |
| Total or Median                    |            |        |            |            | 605,000   |           | 0.18    | 0.68  |
| Brazil/Russia/Australia/China      |            |        |            |            |           |           |         |       |
| CNOOC Limited (34%)                | CEO        |        | 250.41     | 152        | 38,200    | 220.00    | 0.04    | 1.13  |
| Woodside Petroleum Ltd.            | WOPEY      | В      | 50.00      | 774        | 38,700    | 49.00     | 0.14    | 1.02  |
| PetroChina Company Ltd (14%)       | PTR        | В      | 144.15     | 256        | 36,900    | 210.00    | 0.15    | 0.73  |
| Petrobras                          | PBR        | СВ     | 34.63      | 6,539      | 226,400   | 62.00     | 0.13    | 0.61  |
| Gazprom (50%)                      | OGZPY      | В      | 14.75      | 5,750      | 84,800    | 28.00     | 0.11    | 0.58  |
| Lukoil Oil Company                 | LUKOY      | В      | 64.30      | 781        | 50,200    | 150.00    | 0.05    | 0.46  |
| Total or Median                    |            |        |            |            | 475,000   |           | 0.12    | 0.67  |
| U.S. Independent                   |            |        |            |            |           |           |         |       |
| Southwestern Energy Company        | SWN        |        | 43.77      | 349        | 15,300    | 42.00     | 0.09    | 1.04  |
| Anadarko Petroleum Corp.           | APC        |        | 79.52      | 498        | 39,600    | 78.00     | 0.35    | 1.01  |
| Chesapeake Energy Corp.            | CHK        |        | 31.34      | 746        | 23,400    | 33.00     | 0.40    | 0.97  |
| Occidental Petroleum Corp.         | OXY        | В      | 107.85     | 813        | 87,700    | 123.00    | 0.07    | 0.89  |
| EOG Resources, Inc.                | EOG        | В      | 109.14     | 251        | 27,400    | 130.00    | 0.13    | 0.86  |
| Devon Energy Corporation           | DVN        | В      | 84.07      | 430        | 36,200    | 112.00    | 0.08    | 0.77  |
| Total or Median                    |            |        |            |            | 229,600   |           | 0.11    | 0.93  |
| Canada                             |            |        |            |            |           |           |         |       |
| Penn West Exploration              | PWE        |        | 25.95      | 440        | 11,400    | 31.00     | 0.22    | 0.87  |
| Imperial Oil Limited (30%)         | IMO        | В      | 49.58      | 256        | 12,700    | 62.00     | 0.07    | 0.81  |
| Cenovus Energy Inc.                | CVE        | В      | 37.09      | 753        | 27,900    | 49.00     | 0.17    | 0.80  |
| EnCana Corporation                 | ECA        | В      | 34.12      | 738        | 25,200    | 51.00     | 0.22    | 0.74  |
| Suncor Energy                      | SU         | В      | 41.90      | 1,575      | 66,000    | 64.00     | 0.14    | 0.70  |
| Canadian Natural Resources Limited |            |        | 43.61      | 1,089      | 47,500    | 67.00     | 0.14    | 0.70  |
| Canadian Oil Sands Limited         | COSWF      | В      | 31.30      | 485        | 15,200    | 52.00     | 0.06    | 0.63  |
| Total or Median                    |            |        |            |            | 206,000   |           | 0.14    | 0.74  |
| CB=Contrarian Buy, Stock Price ma  | y in downt | rend c | ompared to | 200-day av |           |           |         |       |
| McDep Ratio = Market cap and Deb   |            |        |            |            |           |           |         |       |



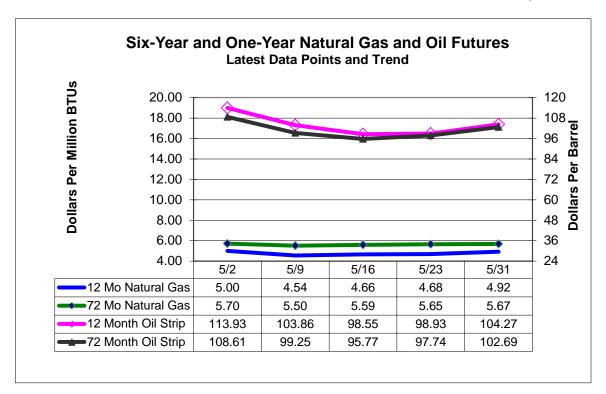
|   |            |       | Table 3         |                          |          |          |          |                    |
|---|------------|-------|-----------------|--------------------------|----------|----------|----------|--------------------|
| Mcl                                       | Dep La     | rge   | Cap E           | nergy Po                 | ortfolio |          |          |                    |
|   | _          |       |                 |                          | on Yield |          |          |                    |
|   |            |       | Decision        | A J:4 J                  |          |          |          | Divd or            |
|   |            |       | Price (US\$/sh) | Adjustd<br>Resrvs/       | PV/      | EV/      |          | Diva or<br>Distrib |
| C.  | ymbol/Rat  |       | 31-May          | Prod                     | Ebitda   | Ebitda   | P/E      | NTN                |
|   |            |       | 2011            | NTM                      | NTM      | NTM      | NTM      | (%                 |
| B = Buy, C                                | b (see bei | OW)   | 2011            | 1 <b>V 1</b> 1 <b>V1</b> | IV I IVI | IV I IVI | IN 1 IVI | (70                |
| U.S. Integrated                           |            |       |                 |                          |          |          |          |                    |
| Exxon Mobil Corporation                   | XOM        | В     | 83.47           | 13.8                     | 7.0      | 5.4      | 9        | 2.1                |
| ConocoPhillips                            | COP        | В     | 73.22           | 11.9                     | 7.4      | 5.1      | 9        | 3.6                |
| Marathon Oil Corporation                  | MRO        | В     | 54.17           | 9.0                      | 5.9      | 4.9      | 11       | 1.8                |
| Chevron Corporation                       | CVX        | В     | 104.91          | 8.4                      | 5.9      | 4.2      | 7        | 2.7                |
| Total or Median                           |            |       | 10.1171         | 10.4                     | 6.5      | 5.0      | 9        | 2.4                |
| Europe                                    |            |       |                 |                          |          |          |          |                    |
| BG Group plc                              | BRGXF      |       | 23.24           | 13.8                     | 8.8      | 8.3      | 15       | 0.9                |
| Royal Dutch Shell plc                     | RDS-A      | В     | 71.49           | 8.9                      | 6.4      | 5.0      | 9        | 4.7                |
| BP plc                                    | BP         |       | 46.24           | 10.4                     | 7.1      | 4.4      | 6        | 3.6                |
| Total S.A.                                | TOT        | В     | 57.63           | 9.6                      | 6.6      | 3.8      | 6        | 5.7                |
| Statoil ASA (33%)                         | STO        | В     | 26.33           | 6.6                      | 5.5      | 3.8      | 8        | 4.4                |
| Total or Median                           |            |       |                 | 9.6                      | 6.6      | 4.4      | 8        | 4.4                |
| Brazil/Russia/Australia/China             |            |       |                 |                          |          |          |          |                    |
| Woodside Petroleum Ltd.                   | WOPEY      | В     | 50.00           | 15.1                     | 10.5     | 10.7     | 18       | 2.1                |
| Petrobras                                 | PBR        | CB    | 34.63           | 13.3                     | 10.3     | 6.3      | 10       | 3.4                |
| CNOOC Limited (34%)                       | CEO        |       | 250.41          | 5.6                      | 5.1      | 5.8      | 10       | 2.2                |
| PetroChina Company Ltd (14%)              | PTR        | В     | 144.15          | 13.4                     | 7.0      | 5.1      | 10       | 3.7                |
| Gazprom (50%)                             | OGZPY      | В     | 14.75           | 30.2                     | 6.9      | 4.0      | 7        | 2.3                |
| Lukoil Oil Company                        | LUKOY      | В     | 64.30           | 15.9                     | 6.1      | 2.8      | 4        | 2.9                |
| Total or Median                           |            |       |                 | 14.2                     | 7.0      | 5.5      | 10       | 2.0                |
| U.S. Independent                          |            |       |                 |                          |          |          |          |                    |
| Southwestern Energy Company               | SWN        |       | 43.77           | 8.3                      | 11.2     | 11.6     | 24       |                    |
| Chesapeake Energy Corp.                   | CHK        |       | 31.34           | 12.3                     | 11.4     | 11.1     | 20       | 1.0                |
| Anadarko Petroleum Corp.                  | APC        |       | 79.52           | 8.8                      | 7.9      | 8.0      |          | 0.5                |
| Devon Energy Corporation                  | DVN        | В     | 84.07           | 10.7                     | 9.0      | 7.0      | 13       | 0.0                |
| Occidental Petroleum Corp.                | OXY        | В     | 107.85          | 11.3                     | 7.8      | 6.9      | 14       | 1.7                |
| EOG Resources, Inc.                       | EOG        | В     | 109.14          | 9.2                      | 7.6      | 6.6      | 21       | 0.6                |
| Total or Median                           |            |       |                 | 9.9                      | 8.5      | 7.5      | 20       | 0.3                |
| Canada                                    |            |       |                 |                          |          |          |          |                    |
| EnCana Corporation                        | ECA        | В     | 34.12           | 12.7                     | 12.8     | 9.5      | 39       | 2.3                |
| Cenovus Energy Inc.                       | CVE        | В     | 37.09           | 21.0                     | 11.8     | 9.4      | 28       | 2.2                |
| Imperial Oil Limited (30%)                | IMO        | В     | 49.58           | 21.4                     | 11.5     | 9.3      | 16       | 0.9                |
| Penn West Exploration                     | PWE        |       | 25.95           | 8.8                      | 9.8      | 8.6      | 31       | 4.3                |
| Canadian Natural Resources Limited        | CNQ        |       | 43.61           | 21.0                     | 11.1     | 7.8      | 18       | 0.9                |
| Suncor Energy                             | SU         | В     | 41.90           | 21.1                     | 10.0     | 7.0      | 14       | 1.0                |
| Canadian Oil Sands Limited                | COSWF      | В     | 31.30           | 29.8                     | 10.7     | 6.7      | 10       | 4.0                |
| Total or Median                           |            |       |                 | 21.0                     | 11.1     | 8.6      | 18       | 2                  |
| CB=Contrarian Buy, Stock Price may be     | in downtre | end c | ompared to      |                          |          |          |          |                    |
| EV = Enterprise Value = Market Cap and    |            |       |                 |                          |          | eciation |          |                    |
| and amortization; NTM = Next Twelve M     |            |       |                 |                          |          |          |          |                    |
| Earnings; PV = Present Value of oil and g |            |       |                 |                          |          |          |          |                    |



|                                |           |       | Table -       | 4        |            |        |         |       |
|--------------------------------|-----------|-------|---------------|----------|------------|--------|---------|-------|
|                                | McDer     | La    | rge Cap l     | Energy 1 | Portfolio  |        |         |       |
|                                | _         |       | rise Value    | <b>U</b> |            | erage  |         |       |
|                                |           |       | 1130 , 00101  | 00 200   | _ uj 11 (  | - Lugu |         |       |
|                                |           |       | Price         |          |            |        |         |       |
|                                |           |       | (\$/sh)       |          | Enterprise | Value/ |         |       |
|                                | Symbol    |       | 31-May        | 52Wk     | 52Wk       | 50 Day | 200 Day | McDep |
|                                | R         | atin, | 2011          | High     | Low        | Avg.   | Avg.    | Ratio |
| U.S. Integrated                |           |       |               |          |            |        |         |       |
| Marathon Oil Corporation       | MRO       | В     | 54.17         | 1.00     | 1.53       | 1.03   | 1.22    | 0.83  |
| Chevron Corporation            | CVX       | В     | 104.91        | 0.96     | 1.47       | 1.00   | 1.12    | 0.71  |
| Exxon Mobil Corporation        | XOM       | В     | 83.47         | 0.95     | 1.40       | 1.00   | 1.10    | 0.77  |
| ConocoPhillips                 | COP       | В     | 73.22         | 0.92     | 1.33       | 0.97   | 1.06    | 0.69  |
| Median                         |           |       |               | 0.96     | 1.44       | 1.00   | 1.11    | 0.74  |
| Europe                         |           |       |               |          |            |        |         |       |
| BG Group plc                   | BRGXF     |       | 116.22        | 0.91     | 1.45       | 0.97   | 1.09    | 0.94  |
| Statoil ASA (33%)              | STO       | В     | 26.33         | 0.92     | 1.26       | 0.98   | 1.07    | 0.68  |
| Royal Dutch Shell plc          | RDS-A     | В     | 71.49         | 0.93     | 1.32       | 0.99   | 1.06    | 0.79  |
| BP plc                         | BP        |       | 46.24         | 0.96     | 1.35       | 1.01   | 1.04    | 0.62  |
| Total S.A.                     | TOT       | В     | 57.63         | 0.92     | 1.22       | 0.97   | 1.03    | 0.58  |
| Median                         |           |       |               | 0.93     | 1.33       | 0.98   | 1.07    | 0.71  |
| Brazil/Russia/Australia/China  |           |       |               |          |            |        |         |       |
| CNOOC Limited (34%)            | CEO       |       | 250.41        | 0.92     | 1.61       | 1.02   | 1.12    | 1.13  |
| Woodside Petroleum Ltd.        | WOPEY     | В     | 50.00         | 0.96     | 1.37       | 1.02   | 1.12    | 1.02  |
| Gazprom (50%)                  | OGZPY     | В     | 14.75         | 0.87     | 1.44       | 0.95   | 1.10    | 0.58  |
| PetroChina Company Ltd (14%)   | PTR       | В     | 144.15        | 0.92     | 1.29       | 1.00   | 1.08    | 0.73  |
| Lukoil Oil Company             | LUKOY     | В     | 64.30         | 0.86     | 1.31       | 0.96   | 1.04    | 0.46  |
| Petrobras                      | PBR       | СВ    | 34.63         | 0.84     | 1.08       | 0.94   | 0.97    | 0.61  |
| Median                         |           | -     |               | 0.90     | 1.34       | 0.98   | 1.09    | 0.67  |
| U.S. Independent               |           |       |               |          |            |        |         |       |
| Southwestern Energy Company    | SWN       |       | 47.84         | 0.97     | 1.38       | 1.04   | 1.15    | 1.04  |
| Occidental Petroleum Corp.     | OXY       | В     | 107.85        | 0.92     | 1.44       | 1.05   | 1.15    | 0.89  |
| Anadarko Petroleum Corp.       | APC       |       | 79.52         | 0.95     | 1.59       | 1.01   | 1.09    | 1.01  |
| Chesapeake Energy Corp.        | CHK       |       | 31.34         | 0.92     | 1.28       | 0.98   | 1.09    | 0.97  |
| Devon Energy Corporation       | DVN       | В     | 84.07         | 0.91     | 1.37       | 0.97   | 1.08    | 0.77  |
| EOG Resources, Inc.            | EOG       | В     | 109.14        | 0.91     | 1.22       | 0.99   | 1.07    | 0.86  |
| Median                         | 200       |       | 107111        | 0.92     | 1.37       | 1.00   | 1.09    | 0.93  |
| Canada                         |           |       |               |          | ,          |        |         |       |
| Imperial Oil Limited (30%)     | IMO       | В     | 49.58         | 0.90     | 1.35       | 0.98   | 1.13    | 0.81  |
| Cenovus Energy Inc.            | CVE       | В     | 37.09         | 0.93     | 1.36       | 1.00   | 1.10    | 0.80  |
| Canadian Oil Sands Limited     | COSWF     | В     | 31.18         | 0.89     | 1.33       | 0.96   | 1.10    | 0.63  |
| EnCana Corporation             | ECA       | В     | 34.12         | 0.98     | 1.20       | 1.02   | 1.08    | 0.74  |
| Suncor Energy                  | SU        | В     | 41.90         | 0.89     | 1.34       | 0.97   | 1.07    | 0.70  |
| Penn West Exploration          | PWE       |       | 25.95         | 0.92     | 1.31       | 0.99   | 1.06    | 0.87  |
| Canadian Natural Resources     | CNQ       |       | 43.61         | 0.87     | 1.33       | 0.97   | 1.04    | 0.70  |
| Median                         | 2110      |       | 75.01         | 0.90     | 1.33       | 0.98   | 1.08    | 0.74  |
| CB=Contrarian Buy, Stock Price | may he in | down  | trend compare |          |            | 5.70   | 1.00    | 0.77  |



| Stock Date 27-May 24-May 20-May | Symbol               |  |  |
|---------------------------------|----------------------|--|--|
| <u>Date</u><br>27-May<br>24-May | Symbol               |  |  |
| 27-May<br>24-May                |                      |  |  |
| 27-May<br>24-May                |                      | Subject                                    | Theme  |
| 24-May                          | A F.C.               | Cimarex Energy                             | Timely Buy on Stock Price Underperformance (ISCW)          |
|                                 |                      | Statoil                                    | Nordic Oil and Gas Stalwart (Meter Reader)                 |
|                                 |                      | Sabine Royalty Trust                       | Raise NPV to \$70 from \$59 on Rising Volume (ISCW)        |
| 17-May                          |                      | Petrobras                                  | Out-of-Favor Oil Growth (Meter Reader)                     |
| 13-May                          |                      | Dorchester Minerals, L.P.                  | Fayetteville and Bakken Growth (Income and Small Cap Weel  |
| 10-May                          |                      | EOG Resources                              | High-Profit Light Sweet North American Oil (Meter Reader)  |
| 3-May                           |                      | Total                                      | Profiting Outside U.S. (Meter Reader)                      |
| 29-Apr                          |                      | Birchcliff Energy                          | Independent Engineer Confirms Natural Gas Upside (ISCW)    |
|                                 | COSWF                | Canadian Oil Sands Limited                 | Dividend Increased 50%                                     |
| 22-Apr                          |                      | Enerplus Corporation                       | New Buy - Bakken and Marcelllus with 7% Income (ISCW)      |
| 21-Apr                          |                      | Encana                                     | North America's Natural Gas Pure Play                      |
| 19-Apr                          |                      | Devon Energy                               | Rich Resources, Low McDep, Low Debt (Meter Reader)         |
| 15-Apr                          |                      | Whiting Petroleum                          | New Buy on Chairman Volker's Prudhoe Bay (ISCW)            |
| 13-Apr<br>12-Apr                |                      |  | Bad Government Actions Good for Oil Profits (Meter Reader  |
| •                               |                      | ConocoPhillips                             | `  |
| 8-Apr                           | RRC                  | Range Resources Chevron                    | Raise NPV to \$60 from \$50 a Share (Income and Small Cap) |
| 5-Apr                           | CVX                  |  | Raise NPV to \$154 a Share from \$146 (Meter Reader)       |
| 1-Apr                           | SJT                  | San Juan Basin Royalty Trust               | Remove Buy at McDep Ratio of 1.10 (ISCW)                   |
| 29-Mar                          | -                    | Exxon Mobil                                | Natural Gas Enhanced by Nuclear (Meter Reader)             |
| 22-Mar                          |                      | PetroChina                                 | Overlooked Oil in PTR Stock (Meter Reader)                 |
|                                 | LUKOY                | Lukoil                                     | Lukoil and Russia Ride the Rise of Oil (Meter Reader)      |
| 11-Mar                          |                      | Hugoton Royalty Trust                      | Contrarian Commodity Income (Income and SC Weekly)         |
| 8-Mar                           | CNQ                  | Canadian Natural Resources                 | End Buy (Meter Reader)                                     |
| 1-Mar                           | CVE                  | Cenovus Energy                             | High Growth in Deep Oil Sands (Meter Reader)               |
|                                 | WOPEY                | Woodside Petroleum Ltd.                    | Double LNG Late 2011                                       |
|                                 | OGZPY                | Gazprom                                    | Nearer Accord on Natural Gas to China (Meter Reader)       |
|                                 | PEYUF                | Peyto Exploration                          | Raise NPV to \$24 a Share from \$20 (Income and Small Cap) |
| 4-Feb                           | HK                   | Petrohawk                                  | Raise NPV to \$24 a Share from \$20 (Income and Small Cap) |
| 26-Jan                          | -                    | Occidental Petroleum                       | Growing U.S. Oil Production                                |
| 18-Jan                          | MRO                  | Marathon Oil                               | Refining/Marketing Spinoff May Boost Value 27% (MR)        |
|                                 | For historical resea | urch by stock, go to <u>mcdep.com</u> , cl | lick on Stock Ideas, click on stock by name.               |
| Meter                           | Reader               |  |  |
| 24-May                          |                      | Statoil                                    | Nordic Oil and Gas Stalwart                                |
| 17-May                          |                      | Petrobras                                  | Out-of-Favor Oil Growth                                    |
| 17-May                          |                      | EOG Resources                              | High-Profit Light Sweet North American Oil                 |
| 3-May                           | TOT                  | Total                                      | Profiting Outside U.S.                                     |
| 2 1.1uj                         |                      |  |  |
|                                 | For earlier editions | , go to mcdep.com, click on Mete           | <u>r Reader</u> .  |
| Income                          | and Small Cap        | Weekly                                     |  |
| 27-May                          |                      | Cimarex Energy                             | Timely Buy on Stock Price Underperformance                 |
| 20-May                          |                      | Sabine Royalty Trust                       | Raise NPV to \$70 from \$59 on Rising Volume               |
| 13-May                          |                      | Dorchester Minerals, L.P.                  | Fayetteville and Bakken Growth                             |
| 6-May                           | BRY, DNR, LINE       | Berry, Denbury, Linn                       | Raise NPV as Oil Price Swings                              |
|                                 |                      | , go to mcdep.com, click on Energ          |  |



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