

June 7, 2016

Whiting Petroleum (WLL) Looking Up Again

| Symbol | WLL | Ebitda Next Twelve Months ending /30/17 (US\$mm) | 951 |
|------------------------------|-------------------------|--|------------|
| Rating | Buy | North American Natural Gas/Ebitda (%) | 4 |
| Price (\$/sh) | 13.83 | Natural Gas and Oil Production/Ebitda (%) | 100 |
| Pricing Date | 6/6/16 | Adjusted Reserves/Production NTM | 13.5 |
| Shares (mm) | 271 | EV/Ebitda | 8.4 |
| Market Capitalization (\$mm) | 3,750 | PV/Ebitda | 13.0 |
| Debt (\$mm) | 4,200 | Undeveloped Reserves (%) | 51 |
| Enterprise Value (EV) (\$mm) | 7,900 | Natural Gas and Oil Ebitda (\$/boe) | 20.90 |
| Present Value (PV) (\$mm) | 12,300 | Present Value Proven Reserves(\$/boe) | 15.00 |
| Net Present Value (\$/share) | 30 | Oil and Gas Ebitda Margin (%) | 57 |
| Debt/Present Value | 0.34 | Earnings Next Twelve Months (US\$/sh) | -0.44 |
| McDep Ratio - EV/PV | 0.64 | Price/Earnings Next Twelve Months | -31 |
| Dividend Yield (%/year) | 0.0 | Indicated Annual Dividend (US\$/sh) | 0.00 |
| Note: Estimated cash flow | and earnings tied to or | ne-year futures prices for oil and natural gas. | |
| Reported results may | vary widely from est | imates. Estimated present value per share revised only infred | uently. |
| Estimated present va | lue presumes a long-te | erm price for oil of US\$70 a barrel and natural gas, \$4.00 a n | nillion bt |
| For historical analys | is of Whiting since 20 | 09 see www.mcdep.com/4wll.htm | |

Summary and Recommendation

Buy-recommended Whiting Petroleum (WLL) survived the Oil Price Panic of 2015 while retaining upside worth multiples of current stock price potentially. Unlevered cash flow (Ebitda) dropped to just \$100 million in the first quarter of 2016 reported on April 27, barely covering interest of \$80 (see table Operating and Financial Estimates on page 2). To reduce financial risk, the company exchanged a half billion dollars of fixed debt for convertible debt and brought in a partner to finance a portion of capital spending on a promoted basis among other moves. The new debt was converted to common shares on May 18, the day of the annual meeting when shareholders voted an increase in the number of shares that could be issued. As a result, the ratio of debt to present value drops to a manageable 0.34 from a threatening 0.47. Meanwhile, oil price gains indicate that Ebitda would double in the second quarter. Rising Ebitda (unlevered cash flow) and adjusted reserve life readily support Net Present Value (NPV) of \$30 a share. (see table Present Value on page 2). From a high near \$92 a share in mid-2014, WLL stock dropped to a low near \$4 in early 2016 and has come back so far to almost \$14. Whiting bonds trading near 40 cents on the dollar a few months ago are now trading above 80 cents, we understand. Production volume is declining this year in the necessary adjustment to restore oil price. The company is ready to increase fracking activity in the North Dakota Bakken when price delivers the signal. We like WLL for the diversified portfolio we advocate that includes representation from each our five oil and gas producer groups (see Tables 1-4 on pages 3-6). Finally, the chart pattern looks strong, we think, as WLL stock price approaches the positive sign of the golden cross when the 50 day average crosses above the 200-day average (see chart on page 7).

Kurt H. Wulff, CFA



| | | V | Whiting P | etroleum | Corporat | tion | | | | |
|----------------------------|---------|----------|-----------|-----------|----------|-------------|--------|---------|---------|---------|
| | Nex | t Twelve | Months (| Operating | and Fina | ncial Estin | nates | | | |
| | | | | | | | | | | Next |
| | | | | | | | | | | Twelve |
| | Q2 | Year | Q1 | Q2E | Q3E | Q4E | Year | Q1E | Q2E | Months |
| | 6/30/15 | 2015 | 3/31/16 | 6/30/16 | 9/30/16 | 12/31/16 | 2016E | 3/31/17 | 6/30/17 | 6/30/17 |
| Volume | | | | | | | | | | |
| Natural Gas (mmcfd) | 117 | 113 | 115 | 108 | 103 | 97 | 106 | 97 | 97 | 99 |
| Oil (mbd) | 151 | 144 | 127 | 118 | 112 | 106 | 116 | 106 | 106 | 108 |
| Total (mb) | 15.5 | 59.6 | 13.2 | 12.5 | 11.9 | 11.3 | 48.9 | 11.0 | 11.3 | 46 |
| Total (mbd) | 170 | 163 | 147 | 136 | 129 | 123 | 134 | 123 | 123 | 124 |
| Price | | | | | | | | | | |
| Henry Hub (\$/mmbtu) | 2.66 | 2.67 | 2.09 | 1.95 | 2.46 | 2.80 | 2.33 | 3.13 | 2.89 | 2.82 |
| Differential (\$/mmbtu) | 0.74 | 0.47 | 1.04 | 0.95 | 0.95 | 0.95 | 0.99 | 0.95 | 0.95 | 0.96 |
| Company (\$/mcf) | 1.92 | 2.20 | 1.05 | 1.00 | 1.51 | 1.85 | 1.34 | 2.18 | 1.94 | 1.86 |
| WTI Cushing (\$/bbl) | 57.94 | 48.79 | 33.47 | 45.57 | 49.09 | 50.20 | 44.58 | 50.82 | 51.12 | 50.31 |
| Differential | 12.03 | 10.81 | 9.45 | 9.45 | 9.45 | 9.45 | 9.81 | 9.45 | 9.45 | 9.47 |
| Company (\$/bbl) | 45.91 | 37.98 | 24.02 | 36.12 | 39.64 | 40.75 | 34.77 | 41.37 | 41.67 | 40.84 |
| Total (\$/bbl) | 41.99 | 35.13 | 21.69 | 32.13 | 35.60 | 36.82 | 31.24 | 37.63 | 37.69 | 36.91 |
| Revenue (\$mm) | | | | | | | | | | |
| Natural Gas | 20 | 90 | 11 | 10 | 14 | 17 | 52 | 19 | 17 | 67 |
| Oil | 630 | 2,002 | 276 | 392 | 409 | 399 | 1,476 | 397 | 408 | 1,613 |
| Total | 651 | 2,093 | 286 | 402 | 423 | 416 | 1,527 | 416 | 426 | 1,680 |
| Expense | | , | | | | | , | | | |
| Lease operating | 143 | 555 | 114 | 114 | 112 | 110 | 449 | 102 | 103 | 426 |
| Production taxes | 57 | 183 | 26 | 37 | 39 | 38 | 140 | 38 | 39 | 155 |
| General and administrative | 45 | 173 | 45 | 40 | 38 | 38 | 161 | 36 | 36 | 149 |
| Total | 245 | 911 | 185 | 191 | 189 | 186 | 751 | 176 | 178 | 729 |
| Ebitda | 406 | 1,182 | 101 | 211 | 234 | 230 | 777 | 239 | 248 | 951 |
| Exploration | 58 | 213 | 35 | 35 | 35 | 35 | 140 | 30 | 30 | 130 |
| Deprec., Deplet., & Amort. | 322 | 1,243 | 312 | 300 | 297 | 282 | 1,192 | 282 | 271 | 1,133 |
| Other | (76) | (374) | (61) | | | (100) | (361) | | (100) | (400) |
| Ebit | 102 | 99 | (185) | (24) | | 12 | (194) | 27 | 47 | 88 |
| Interest | 89 | 334 | 82 | 75 | 71 | 68 | 296 | 66 | 68 | 273 |
| Ebt | 13 | (235) | (267) | (99) | | (55) | (490) | (39) | (21) | (185) |
| Income Tax | 4 | (82) | (93) | (35) | ~ / | (19) | (172) | (14) | ~ / | (65) |
| Net Income (\$mm) | 8 | (153) | (173) | (64) | . , | (36) | (319) | (26) | (14) | (120) |
| Per Share (\$) | 0.04 | (0.79) | (0.85) | (0.24) | | (0.13) | (1.39) | (0.09) | (0.05) | (0.44) |
| Shares (millions) | 204 | 193 | 204 | 271 | 271 | 271 | 230 | 271 | 271 | 271 |
| Ebitda Margin | 62% | 56% | 35% | 53% | 55% | 55% | 51% | 58% | 58% | 57% |
| Tax rate | 35% | 35% | 35% | 35% | 35% | 35% | 35% | 35% | 35% | 35% |

| Whiting P | etroleum Co | orporation | | | | | | | |
|---|-----------------|------------|---------------|-----------------|-------|--|--|--|--|
| Functional Ca | sh Flow and | Present Va | alue | | | | | | |
| | | | | Present | | | | | |
| 1 | NTM Ebitda | Adjusted | <i>PV</i> / | Value | | | | | |
| | <u>(US\$mm)</u> | <u>R/P</u> | <u>Ebitda</u> | <u>(US\$mm)</u> | | | | | |
| | | | | | | | | | |
| North American Natural Gas | 38 | 13.4 | 21.0 | 800 | 7% | | | | |
| Oil | 913 | 13.5 | 12.6 | 11,500 | 93% | | | | |
| | 951 | 13.5 | 12.9 | 12,300 | 100% | | | | |
| Debt (US\$mm) | | | | | 4,200 | | | | |
| Net Present Value (US\$mm) | | | | | 8,100 | | | | |
| Shares (mm) | | | | | 271 | | | | |
| Net Present Value - Standard Estimate (US\$/sh) | | | | | 30 | | | | |
| VPV Approximation by Cash Flow Multiple Depending on Reserve Life (US\$/sh) | | | | | | | | | |



| | | | | | ble 1 | | | | | | |
|--|--------------|-----|--------------|-------------|-----------------|--------------|------------------|----------|---------|-------|---------------|
| | | | Mcl | Dep En | ergy Stoc | cks | | | | | |
| Er | terpris | e ' | Value, S | Segmen | ts, Yield a | and Mo | Dep R | atio | | | |
| | | | | | | Duana | 4 Value h | | | | |
| | | | Price | | | North | it Value by | v segmer | 11 (70) | Dist. | |
| | | | (US\$/sh) | EV/ | Enterprise | Amer. | Rest of World | | | Yield | |
| C. | h. a 1/D a 4 | | 1 · · · | | | | | 0:1 | Davan | | MaDam |
| 3) | mbol/Rati | ng | 6-Jun | Market | Value | | Natural | | Down- | NTM | McDep Deti |
| Clabel Intermeted | | | 2016 | Сар | (\$ <i>mm</i>) | Gas | Gas | Prod'n | stream | (%) | Ratio |
| Global Integrated Exxon Mobil Corporation | XOM | | 89.34 | 1.05 | 468,000 | 5 | 13 | 63 | 20 | 3.4 | 0.91 |
| • | CVX | | 89.34 | 1.25 | , | 2 | 13 | 68 | 20 | 4.2 | 0.91 |
| Chevron Corporation | | р | | 1.35 | 255,000 | | 11 | | | | |
| Royal Dutch Shell | RDS-A | B | | 1.72 | 316,000 | 1 | | 44 | 37 | 7.6 | 0.74 |
| Total S.A. | TOT | В | 48.09 | 1.53 | 173,000 | | 22 | 55 | 23 | 5.6 | 0.64 |
| Total or Median | | | | 1.44 | 1,212,000 | | | 59 | 21 | 4.9 | 0.77 |
| Large Independent | DIAL | | 07.54 | 1 (1 | 20.000 | 25 | | | 0 | 0.6 | 1.00 |
| Devon Energy Corporation | DVN | | 37.56 | 1.61 | 29,800 | 25 | - | 65 | 9 | 0.6 | 1.08 |
| EOG Resources, Inc. | EOG | | 81.27 | 1.16 | 51,700 | 10 | 2 | 88 | 10 | 0.8 | 1.07 |
| Occidental Petroleum Corp. | OXY | _ | 75.41 | 1.17 | 67,100 | 3 | 2 | 85 | 10 | 4.0 | 1.00 |
| Marathon Oil Corporation | MRO | B | | 1.58 | 18,600 | 9 | 2 | 89 | | 1.4 | 0.79 |
| ConocoPhillips | COP | В | 45.52 | 1.70 | 96,000 | 11 | 15 | 74 | | 2.2 | 0.76 |
| Total or Median | | | | 1.58 | 263,000 | 10 | | 85 | | 1.4 | 1.00 |
| Small Independent | | | | | | | | | | | |
| Cimarex Energy Company | XEC | | 117.53 | 1.11 | 12,200 | 32 | | 68 | | 0.3 | 1.27 |
| Range Resources | RRC | | 45.04 | 1.40 | 10,600 | 70 | | 30 | | 0.2 | 1.05 |
| California Resources | CRC | | 15.90 | 12.31 | 7,500 | 10 | | 90 | | - | 0.85 |
| Continental Resources (32%) | CLR | В | | 1.46 | 7,300 | 20 | | 80 | | - | 0.82 |
| Whiting Petroleum Corporation | WLL | В | 13.83 | 2.12 | 8,000 | 7 | | 93 | | - | 0.64 |
| Total or Median | | | | 1.46 | 46,000 | 20 | | 80 | | - | 0.85 |
| Income | | | | | | | | | | | |
| San Juan Basin Royalty Trust | SJT | | 7.40 | 1.00 | 350 | 100 | | - | | 4.7 | 0.93 |
| Permian Basin RT | PBT | | 7.31 | 1.00 | 340 | 23 | | 77 | | 7.7 | 0.67 |
| Dorchester Minerals, L.P. | DMLP | В | 13.96 | 1.00 | 430 | 28 | | 72 | | 8.2 | 0.58 |
| Cross Timbers Royalty Trust | CRT | | 16.69 | 1.00 | 100 | 57 | | 43 | | 7.9 | 0.57 |
| Sabine Royalty Trust | SBR | В | 34.20 | 1.00 | 500 | 38 | | 62 | | 7.2 | 0.57 |
| Total or Median | | | | 1.00 | 1,700 | 38 | | 62 | | 7.7 | 0.58 |
| Canada | | | | | | | | | | | |
| EnCana Corporation | ECA | | 8.38 | 2.14 | 15,200 | 44 | | 56 | | 0.7 | 1.15 |
| Imperial Oil Limited (30%) | IMO | | 32.78 | 1.33 | 11,100 | 1 | | 70 | 29 | 1.3 | 0.89 |
| Suncor Energy | SU | | 27.94 | 1.40 | 61,800 | - | | 84 | 16 | 3.2 | 0.85 |
| Cenovus Energy Inc. | CVE | | 15.50 | 1.30 | 16,600 | 10 | | 82 | 8 | 1.0 | 0.82 |
| Birchcliff Energy Ltd. | BIREF | В | | 1.79 | 1,400 | 74 | | 26 | | - | 0.60 |
| Total or Median | | | | 1.40 | 106,000 | | | 70 | | 1.0 | 0.85 |
| Estimated present value presume | | | | | | l natural ga | as, \$4.00 a | million | btu. | | |
| Estimated present value capped by | , | | | · · | , | | | | | | |
| McDep Ratio = Market cap and \mathbf{I} | Debt to pre | sen | t value of o | oil and gas | and other bus | inesses | | | | | |
| For historical research see www. | mcdep.con | n | | | | | | | | | |



| | | | Table 2 | | | | | |
|--|-------------|---------|-------------|------------|------------------|---------------|---------|------|
| | Mc | Dep | Energy | Stocks | | | | |
| Net | Preser | it Va | lue and | McDep | Ratio | | | |
| | | | | - | | | | |
| | | | | | | | | |
| | | | Price | | | Net | | |
| | | | (US\$/sh) | | Market | Present | Debt/ | |
| | Symbol/R | ating | 6-Jun | Shares | Cap | Value | Present | McDe |
| | B | = Buy | 2016 | (mm) | (US\$mm) | (US\$/sh) | Value | Rati |
| Global Integrated | | | | | | | | |
| Exxon Mobil Corporation | XOM | | 89.34 | 4,178 | 373,000 | 100.00 | 0.18 | 0.91 |
| Chevron Corporation | CVX | | 101.17 | 1,870 | 189,000 | 135.00 | 0.21 | 0.80 |
| Royal Dutch Shell | RDS-A | В | 49.76 | 3,701 | 184,000 | 80.00 | 0.31 | 0.74 |
| Total S.A. | TOT | В | 48.09 | 2,350 | 113,000 | 90.00 | 0.22 | 0.64 |
| Total or Median | | | | , | 859,000 | | 0.21 | 0.77 |
| Large Independent | | | | | | | | |
| Devon Energy Corporation | DVN | | 37.56 | 492 | 18,500 | 33.00 | 0.41 | 1.08 |
| EOG Resources, Inc. | EOG | | 81.27 | 547 | 44,500 | 75.00 | 0.15 | 1.07 |
| Occidental Petroleum Corp. | OXY | | 75.41 | 763 | 57,500 | 75.00 | 0.14 | 1.00 |
| Marathon Oil Corporation | MRO | В | 13.96 | 845 | 11,800 | 20.00 | 0.29 | 0.79 |
| ConocoPhillips | COP | B | 45.52 | 1,245 | 57,000 | 70.00 | 0.31 | 0.76 |
| Total or Median | COI | D | 43.32 | 1,275 | 189,300 | 70.00 | 0.29 | 1.00 |
| Small Independent | | | | | 107,500 | | 0.27 | 1.00 |
| Cimarex Energy Company | XEC | | 117.53 | 93 | 10,900 | 90.00 | 0.13 | 1.27 |
| Range Resources | RRC | | 45.04 | 167 | 7,500 | 42.00 | 0.13 | 1.05 |
| California Resources | CRC | | 15.90 | 38 | 600 | 50.00 | 0.78 | 0.85 |
| Continental Resources (32%) | CLR | В | 42.04 | 118 | 5,000 | 56.00 | 0.78 | 0.83 |
| | WLL | B | | 271 | , | | 0.20 | 0.82 |
| Whiting Petroleum Corporation | WLL | в | 13.83 | 271 | 3,800 | 30.00 | | |
| Total or Median | | | | | 28,000 | | 0.30 | 0.85 |
| Income | C ITT | | 7.40 | 47 | 250 | 0.00 | | 0.02 |
| San Juan Basin Royalty Trust | SJT | | 7.40 | 47 | 350 | 8.00 | - | 0.93 |
| Permian Basin RT | PBT | D | 7.31 | 47 | 340 | 11.00 | - | 0.67 |
| Dorchester Minerals, L.P. | DMLP | В | 13.96 | 31 | 430 | 24.00 | - | 0.58 |
| Cross Timbers Royalty Trust | CRT | | 16.69 | 6 | 100 | 29.00 | - | 0.57 |
| Sabine Royalty Trust | SBR | В | 34.20 | 15 | 500 | 60.00 | - | 0.57 |
| Total or Median | | | | | 1,700 | | - | 0.58 |
| Canada | | | | | | | | |
| EnCana Corporation | ECA | | 8.38 | 850 | 7,100 | 6.00 | 0.61 | 1.15 |
| Imperial Oil Limited (30%) | IMO | | 32.78 | 255 | 8,400 | 38.00 | 0.22 | 0.89 |
| Suncor Energy | SU | | 27.94 | 1,583 | 44,200 | 35.00 | 0.24 | 0.85 |
| Cenovus Energy Inc. | CVE | | 15.50 | 825 | 12,800 | 20.00 | 0.19 | 0.82 |
| Birchcliff Energy Ltd. | BIREF | В | 5.00 | 153 | 800 | 11.00 | 0.27 | 0.60 |
| Total or Median | | | | | 73,000 | | 0.24 | 0.85 |
| Estimated present value presumes a long-t | erm price | for oil | of US\$70 a | barrel and | natural gas. \$4 | 4.00 a millio | on btu. | |
| Estimated present value capped by unlever | ed cash flo | ow mul | tiple (EV/E | bitda) | <u>.</u> , . | | | |
| McDep Ratio = \mathbf{M} arket \mathbf{c} ap and $\mathbf{D}\mathbf{e}$ bt to \mathbf{p} r | | | | | | | | |



June 7, 2016

| | 1.4 | n | Table 3 | | | | | |
|--|-------------|--------|--------------|----------------|---------------|---------------|------------|----------------|
| | | - | Energy | | _ | | | |
| | | | iples and | | ıd | | | |
| | Ra | nked | l by EV/I | Ebitda | | | | |
| | | | | | | | | |
| | | | Price | Adjustd | DIV | TT 7 / | | D · · 1 |
| | | | (US\$/sh) | Resrvs/ | <i>PV/</i> | EV/ | | Dividen |
| S | ymbol/Ra | 0 | 6-Jun | Prod | Ebitda | Ebitda | <i>P/E</i> | NTN |
| | B = | Buy | 2016 | NTM | NTM | NTM | NTM | (\$/sh |
| Global Integrated | VOM | | 00.04 | 10.5 | 12.0 | 11.0 | 26 | 2.00 |
| Exxon Mobil Corporation | XOM | | 89.34 | 13.7 | 12.0 | 11.0 | 26 | 3.00 |
| Chevron Corporation | CVX | _ | 101.17 | 9.3 | 11.1 | 8.9 | 30 | 4.28 |
| Total S.A. | TOT | B | 48.09 | 9.8 | 10.1 | 6.4 | 12 | 2.71 |
| Royal Dutch Shell | RDS-A | В | 49.76 | 8.9 | 8.4 | 6.2 | 13 | 3.76 |
| Median | | | | 9.6 | 10.6 | 7.6 | 20 | |
| Large Independent | | | | | | | | |
| Devon Energy Corporation | DVN | | 37.56 | 9.2 | 15.1 | 16.4 | | 0.24 |
| EOG Resources, Inc. | EOG | | 81.27 | 8.1 | 13.9 | 14.9 | | 0.67 |
| Occidental Petroleum Corp. | OXY | | 75.41 | 8.2 | 12.9 | 13.0 | | 3.00 |
| Marathon Oil Corporation | MRO | B | 13.96 | 13.2 | 14.6 | 11.5 | | 0.20 |
| ConocoPhillips | COP | В | 45.52 | 11.4 | 14.2 | 10.8 | | 1.00 |
| Median | | | | 9.2 | 14.2 | 13.0 | | |
| Small Independent | | | | | | | | |
| Range Resources | RRC | | 45.04 | 14.4 | 23.6 | 24.8 | | 0.08 |
| Cimarex Energy Company | XEC | | 117.53 | 7.4 | 13.8 | 17.5 | | 0.32 |
| Continental Resources (32%) | CLR | В | 42.04 | 11.4 | 17.2 | 14.1 | | - |
| California Resources | CRC | | 15.90 | 11.4 | 12.1 | 10.3 | | - |
| Whiting Petroleum Corporation | WLL | В | 13.83 | 13.5 | 13.0 | 8.4 | | - |
| Median | | | | 11.4 | 13.8 | 14.1 | | |
| Income | | | | | | | | |
| San Juan Basin Royalty Trust | SJT | | 7.40 | 9.9 | 20.6 | 19.0 | 21 | 0.35 |
| Sabine Royalty Trust | SBR | В | 34.20 | 10.2 | 24.4 | 13.9 | 14 | 2.45 |
| Permian Basin RT | PBT | | 7.31 | 8.6 | 16.9 | 11.3 | 13 | 0.57 |
| Dorchester Minerals, L.P. | DMLP | В | 13.96 | 6.8 | 18.6 | 10.8 | 15 | 1.15 |
| Cross Timbers Royalty Trust | CRT | | 16.69 | 6.0 | 17.2 | 9.9 | 13 | 1.32 |
| Median | | | | 8.6 | 18.6 | 11.3 | 14 | |
| Canada | | | | | | | | |
| EnCana Corporation | ECA | | 8.38 | 5.7 | 12.5 | 14.4 | | 0.06 |
| Birchcliff Energy Ltd. | BIREF | В | 5.00 | 15.5 | 19.0 | 11.4 | | - |
| Suncor Energy | SU | | 27.94 | 22.1 | 12.1 | 10.2 | | 0.89 |
| Cenovus Energy Inc. | CVE | | 15.50 | 16.9 | 12.3 | 10.2 | | 0.15 |
| Imperial Oil Limited (30%) | IMO | | 32.78 | 27.7 | 10.9 | 9.7 | | 0.43 |
| Median | | | 52.70 | 16.9 | 12.3 | 10.2 | | 0.45 |
| | | | | 11 | 1.4 | 1.1 | | |
| Grand Median | | | | 11 | 14 | 11 | | |
| EV = Enterprise Value = Market Cap and I | Debt; Ebitd | a = Ea | rnings befor | e interest, ta | ax, depreciat | ion | | |
| and amortization; $NTM = Next$ Twelve Mo | | | | | | | | |

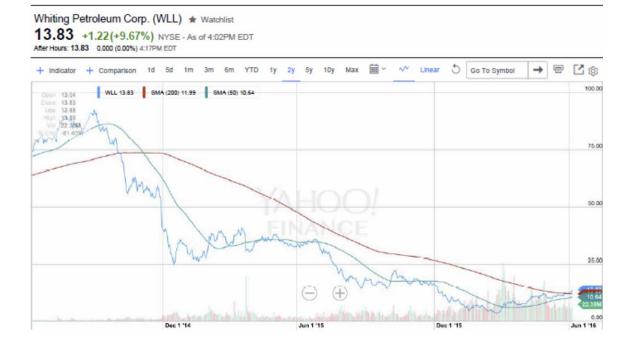
Earnings; PV = Present Value of oil and gas and other businesses For historical research see www.mcdep.com



| | | | Tab | le 4 | | | | | | |
|---------------------------------------|---------|-----|----------|----------|--------|----------|--------|---------|---------|-------|
| | | Mc | Dep Ene | ergy Sto | ocks | | | | | |
| | | | turn Ye | 0. | | 16 | | | | |
| | | | y Unleve | | | | | | | |
| | | | 5 | | | | | | | |
| | | | Price | Price | | | Equity | Un | levered | |
| | | | (\$/sh) | (\$/sh) | Price | Cash | Total | | Total | |
| | Symbol/ | Rat | 6-Jun | 31-Dec | Change | Distrib. | Return | Debt | Return | McDep |
| | | | 2016 | 2015 | (%) | (%) | (%) | (\$/sh) | (%) | Ratio |
| Global Integrated | | | | | | | | | | |
| Exxon Mobil Corporation | XOM | | 89.34 | 77.95 | 15 | 1 | 16 | 23 | 12 | 0.91 |
| Chevron Corporation | CVX | | 101.17 | 89.96 | 12 | 1 | 14 | 35 | 10 | 0.80 |
| Royal Dutch Shell | RDS-A | В | 49.76 | 45.79 | 9 | 2 | 11 | 36 | 6 | 0.74 |
| Total S.A. | TOT | В | 48.09 | 44.95 | 7 | 2 | 9 | 26 | 5 | 0.64 |
| Median | | | | | 11 | | 12 | | 8 | 0.77 |
| Large Independent | | | | | | | | | | |
| EOG Resources, Inc. | EOG | | 81.27 | 70.79 | 15 | 0 | 15 | 13 | 13 | 1.07 |
| Occidental Petroleum Corp. | OXY | | 75.41 | 67.61 | 12 | 1 | 13 | 13 | 11 | 1.00 |
| Devon Energy Corporation | DVN | | 37.56 | 32.00 | 17 | 1 | 18 | 23 | 11 | 1.08 |
| Marathon Oil Corporation | MRO | В | 13.96 | 12.58 | 11 | 0 | 11 | 8 | 7 | 0.79 |
| ConocoPhillips | COP | В | 45.52 | 46.69 | (3) | 1 | (2) | 32 | (1) | 0.76 |
| Median | | | | | 12 | | 13 | | 11 | 1.00 |
| Small Independent | | | | | | | | | | |
| Range Resources | RRC | | 45.04 | 24.62 | 83 | 0 | 83 | 18 | 48 | 1.05 |
| Continental Resources (32%) | CLR | В | 42.04 | 22.98 | 83 | - | 83 | 19 | 45 | 0.82 |
| Cimarex Energy Company | XEC | | 117.53 | 89.38 | 31 | 0 | 32 | 13 | 27 | 1.27 |
| Whiting Petroleum Corporation | WLL | В | 13.83 | 9.44 | 47 | - | 47 | 15 | 18 | 0.64 |
| California Resources | CRC | | 15.90 | 23.30 | (32) | - | (32) | 181 | (4) | 0.85 |
| Median | ente | | 10.00 | 20.00 | 47 | | 47 | 101 | 27 | 0.85 |
| Income | | | | | ., | | ., | | / | 0.00 |
| San Juan Basin Royalty Trust | SJT | | 7.40 | 4.14 | 79 | 2 | 81 | - | 81 | 0.93 |
| Permian Basin RT | PBT | | 7.31 | 5.06 | 44 | 1 | 46 | - | 46 | 0.67 |
| Dorchester Minerals, L.P. | DMLP | В | 13.96 | 9.89 | 41 | 4 | 45 | - | 45 | 0.58 |
| Sabine Royalty Trust | SBR | B | 34.20 | 26.26 | 30 | 2 | 32 | - | 32 | 0.57 |
| Cross Timbers Royalty Trust | CRT | D | 16.69 | 13.01 | 28 | 4 | 32 | _ | 32 | 0.57 |
| Median | CKI | | 10.09 | 15.01 | 41 | | 45 | - | 45 | 0.57 |
| Canada | | | | | 71 | | 75 | | 75 | 0.50 |
| Birchcliff Energy Ltd. | BIREF | В | 5.00 | 2.93 | 71 | - | 71 | 4 | 30 | 0.60 |
| EnCana Corporation | ECA | D | 8.38 | 5.09 | 65 | 1 | 66 | 9 | 23 | 1.15 |
| Cenovus Energy Inc. | CVE | | 15.50 | 12.62 | 23 | 1 | 24 | 5 | 17 | 0.82 |
| Suncor Energy | SU | | 27.94 | 25.80 | 8 | 1 | 9 | 11 | 6 | 0.82 |
| Imperial Oil Limited (30%) | IMO | | 32.78 | 32.52 | 0 | 0 | 9 | 11 | 1 | 0.85 |
| Median | INIO | | 32.70 | 32.32 | 23 | 0 | 24 | 11 | 17 | 0.89 |
| Mealan | | | | | 23 | | 24 | | 1/ | 0.05 |
| Grand Median | | | | | 20 | | 21 | | 15 | 0.82 |
| Natural Gas (\$/mmbtu) | | | 2 16 | 2.33 | 6 | | 21 | | 15 | 0.02 |
| Oil -West Texas Intermediate (\$/bbl) | - | ++ | 2.46 | | 34 | | | | | |
| S&P 500 | | | 49.74 | 37.06 | 34 | | | | | |
| 5&r 500 | | | 2,109 | 2,044 | 3 | | | | | |



June 7, 2016



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