

Mid-Size Independent Producers CLR, XEC, HES, DVN, MRO

		Price (US\$/sh)	Market Cap	Enterprise Value (\$mm)	EV/ Market Cap	EV/ Ebitda NTM	PV/ Ebitda NTM	Oil Prod'n/ Ebitda (%)	Dist. Yield NTM (%)	McDep Ratio (EV/PV)
Symbol/Rating	8-Aug 2018									
Hess Corporation	HES	65.93	19,600	27,000	1.38	10.8	9.5	89	1.5	1.14
Continental Resources	CLR	63.31	23,700	30,100	1.27	7.8	8.5	83	-	0.92
Devon Energy Corporation	DVN	42.67	22,400	27,100	1.21	7.5	10.1	88	0.7	0.75
Cimarex Energy Company	XEC	88.95	8,500	10,100	1.19	6.7	9.9	85	0.7	0.67
Marathon Oil Corporation	MRO	20.14	17,120	23,800	1.39	6.3	10.8	89	1.0	0.59
<i>Total or Median</i>			<i>91,300</i>	<i>118,100</i>	<i>1.27</i>	<i>7.5</i>	<i>9.9</i>	<i>88</i>	<i>0.7</i>	<i>0.75</i>

Summary and Recommendation

Five stocks in our Mid-Size Independent Group offer volume growth, price sensitivity and sustainable cash flow at a low median McDep Ratio of 0.75. **Continental Resources (CLR)** and **Cimarex Energy (XEC)** score the top historical volume trends (see chart [Volume](#) on page 2). **Hess Corporation (HES)**, **Devon Energy (DVN)** and **Marathon Oil (MRO)** are transforming to higher growth oil prospects. Despite increasing benchmark pricing in the second quarter just reported, company results were mixed with three up and two down (see chart [Price](#) on page 2). Nonetheless, estimated cash flow is still rising for the most part (see chart [Ebitda](#) on page 3). Comments that follow draw on abbreviated financial models for five companies (see tables [Operating and Financial Performance](#) on page 3-5). Valuation tables add context, including McDep Ratio and year-to-date performance, for all 22 stocks in our coverage (see [Tables 1-4](#) on pages 6-9).

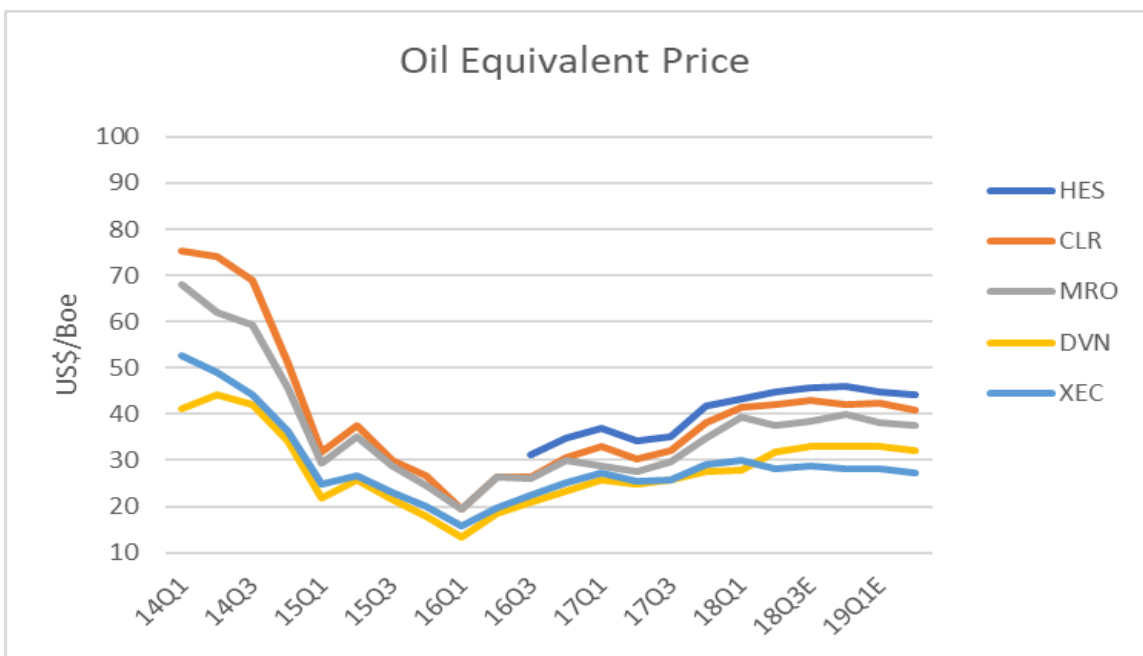
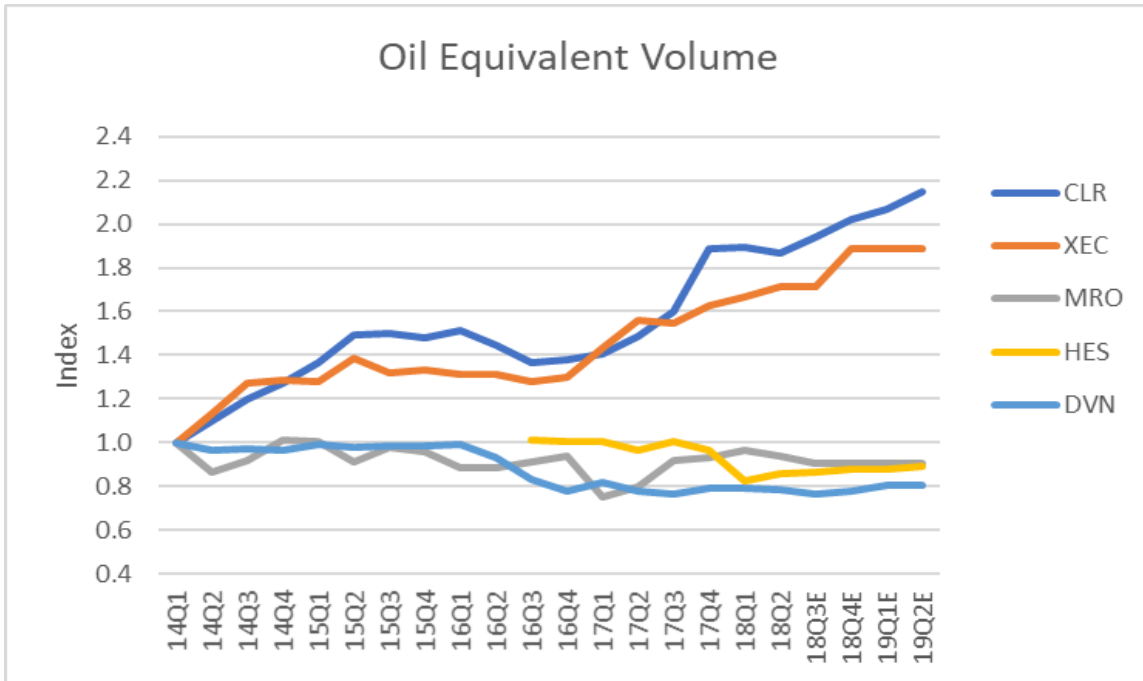
- HES has rewarded investors with a 40% total equity return so far in 2018 compared to a median 20% for the group. Favorable discovery news offshore Guyana likely accounts for much of that outperformance. We are waiting for a little more history of current financial performance before raising Net Present Value (NPV) to perhaps \$80 a share from \$55. The lower current number includes little for the giant South American find.
- CLR performs well as our only stock under the leadership of a founder CEO.
- DVN looks better to us after simplifying its financial structure by divesting its master limited partnership along with associated incentive distribution rights.
- XEC combines a near lowest McDep Ratio with the only decline in total equity return, a startling 27%. The main explanation likely lies in wide differentials for oil price and natural gas price in the Permian Basin for lack of adequate pipeline capacity to markets. The company is positioning to have flush production ready for market in the second half of 2019 when pipeline constraints ought to be relieved.
- MRO is the McDep Ratio pick of the group despite a 20% total equity return so far in 2018.

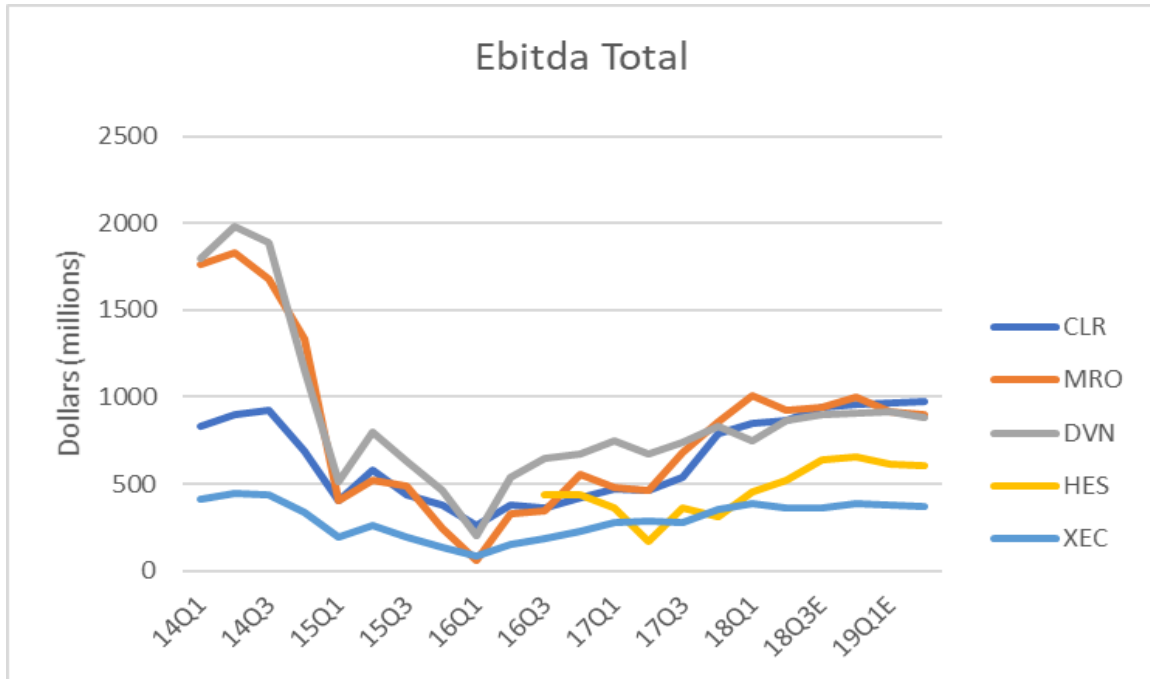
Kurt H. Wulff, CFA



Industry Idea

Analysis of Oil and Gas Stocks
August 9, 2018





Cimarex Energy Company										
Next Twelve Months Operating and Financial Estimates										
	Q2	Year	Q1	Q2	Q3E	Q4E	Year	Q1E	Q2E	Next
	6/30/17	2017	3/31/18	6/30/18	9/30/18	12/31/18	2017	3/31/19	6/30/19	Twelve
										Months
										6/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	193	190	206	212	212	233	216	233	233	227
Period (mmboe)	17.3	68.9	18.5	19.3	19.3	21.2	78.2	20.9	21.2	82.6
Price (US\$/boe)	25.43	26.98	29.95	28.30	28.89	28.24	28.82	28.06	27.16	28.07
Expense (US\$/boe)	9.11	9.61	9.11	9.30	9.89	9.85	9.55	9.84	9.79	9.84
Ebitda - Production (US\$/boe)	16.32	17.37	20.83	19.01	18.99	18.38	19.27	18.22	17.37	18.22
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	16.32	17.37	20.83	19.01	18.99	18.38	19.27	18.22	17.37	18.22
Period (US\$m)	283	1,197	386	366	366	389	1,508	382	368	1,505
Deprec, Deplet, Amort, Other	113	464	154	162	150	165	632	163	165	644
Ebit (US\$m)	170	733	232	204	216	224	876	218	203	861
Interest	15	51	12	12	12	12	48	12	12	48
Ebt (US\$m)	155	682	220	192	204	212	828	206	191	813
Income Tax	54	239	46	40	43	45	174	43	40	171
Net Income (US\$m)										
Exploration and Production										
Other										
Unallocated										
Total	101	443	174	152	161	168	654	163	151	642
Shares (millions)	95	95	96	95	95	95	95	95	95	95
Earnings Per Share (US\$)	1.06	4.67	1.82	1.59	1.69	1.76	6.85	1.71	1.58	6.73
Dividend (US\$/share)	0.08	0.32	0.16	0.16	0.16	0.16	0.64	0.16	0.16	0.64
Present Value (US\$m)	12,866		14,868	14,935	14,935	14,935		14,935	14,935	
Debt (US\$m)	1,442		1,498	1,579	1,579	1,579		1,579	1,579	
Net Present Value (US\$m)	11,424		13,370	13,356	13,356	13,356		13,356	13,356	
NPV (US\$/share)	120		140	140	140	140		140	140	140

Continental Resources										
Next Twelve Months Operating and Financial Estimates										
	Q2	Year	Q1	Q2	Q3E	Q4E	Year	Q1E	Q2E	Next Twelve Months
	6/30/17	2017	3/31/18	6/30/18	9/30/18	12/31/18	2018	3/31/19	6/30/19	6/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	226	243	288	284	295	307	294	314	327	311
Period (mmboc)	20.6	88.5	25.9	25.8	27.2	28.3	107.2	28.3	29.7	113.4
Price (US\$/boe)	30.24	33.62	41.32	42.13	43.00	42.06	42.14	42.28	40.84	42.02
Expense (US\$/boe)	7.93	8.18	8.39	8.55	8.26	8.19	8.34	8.21	8.11	8.19
Ebitda - Production (US\$/boe)	22.31	25.44	32.94	33.58	34.74	33.87	33.79	34.07	32.73	33.83
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	22.31	25.44	32.94	33.58	34.74	33.87	33.79	34.07	32.73	33.83
Period (US\$m)	459	2,251	852	868	944	957	3,621	963	973	3,836
Deprec, Deplet, Amort, Other	386	1,657	454	447	517	537	1,956	537	565	2,156
Ebit (US\$m)	73	594	398	421	427	420	1,666	426	408	1,681
Interest	73	295	76	74	76	74	300	74	74	298
Ebt (US\$m)	-	299	322	347	351	346	1,366	352	334	1,383
Income Tax	-	105	68	73	74	73	287	74	70	290
Net Income (US\$m)										
Exploration and Production										
Other										
Unallocated										
Total	-	194	254	274	278	273	1,079	278	264	1,092
Shares (millions)	371	374	374	375	375	375	375	375	375	375
Earnings Per Share (US\$)	-	0.52	0.68	0.73	0.74	0.73	2.88	0.74	0.70	2.91
Dividend (US\$/share)										
Present Value (US\$m)	27,451		32,513	32,559	32,559	32,559		32,559	32,559	
Debt (US\$m)	6,675		6,333	6,309	6,309	6,309		6,309	6,309	
Net Present Value (US\$m)	20,776		26,180	26,250	26,250	26,250		26,250	26,250	
NPV (US\$/share)	56		70	70	70	70		70	70	70

Devon Energy										
Next Twelve Months Operating and Financial Estimates										
	Q2	Year	Q1	Q2	Q3E	Q4E	Year	Q1E	Q2E	Next Twelve Months
	6/30/17	2017	3/31/18	6/30/18	9/30/18	12/31/18	2017	3/31/19	6/30/19	6/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	536	544	544	542	529	537	538	556	556	544
Period (mmboc)	49	198	49	49	49	49	196	50	51	199
Price (US\$/boe)	24.73	25.97	27.75	31.83	33.00	32.87	31.36	32.90	32.00	32.69
Expense (US\$/boe)	12.99	13.03	15.01	14.70	14.59	14.60	14.72	14.60	14.60	14.60
Ebitda - Production (US\$/boe)	11.74	12.94	12.74	17.13	18.41	18.28	16.64	18.30	17.39	18.09
Downstream VA (US\$/boe)	2.07	2.14	2.55	0.41	-	-	0.74	-	-	-
Ebitda - Total										
Unit (US\$/boe)	13.80	15.08	15.29	17.53	18.41	18.28	17.38	18.30	17.39	18.09
Period (US\$m)	674	2,992	749	865	895	904	3,412	916	880	3,595
Deprec, Deplet, Amort, Other	281	1,204	490	514	380	380	1,765	380	380	1,520
Ebit (US\$m)	393	1,789	258	351	515	524	1,648	536	500	2,075
Interest	116	496	125	125	125	125	500	125	125	500
Ebt (US\$m)	277	1,293	133	226	390	399	1,148	411	375	1,575
Income Tax	97	452	28	47	82	84	241	86	79	331
Net Income (US\$m)										
Exploration and Production										
Other										
Unallocated										
Total	180	840	105	178	308	315	907	324	296	1,244
Shares (millions)	529	529	527	524	527	524	525	524	525	525
Earnings Per Share (US\$)	0.34	1.59	0.20	0.34	0.58	0.60	1.73	0.62	0.56	2.37
Dividend (US\$/share)	0.06	0.18	0.06	0.08	0.08	0.08	0.24	0.08	0.08	0.32
Present Value (US\$m)	31,824		39,971	36,160	36,340	36,160		36,160	36,242	
Debt (US\$m)	8,019		8,351	4,720	4,720	4,720		4,720	4,720	
Net Present Value (US\$m)	23,805		31,620	31,440	31,620	31,440		31,440	31,522	
NPV (US\$/share)	45		60	60	60	60		60	60	60



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Analysis of Oil and Gas Stocks
August 9, 2018

Hess Corporation										
Next Twelve Months Operating and Financial Estimates										
	Q2	Year	Q1	Q2	Q3E	Q4E	Year	Q1E	Q2E	Next Twelve Months
	6/30/17	2017	3/31/18	6/30/18	9/30/18	12/31/18	2018	3/31/19	6/30/19	6/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	300	305	255	265	269	273	266	273	277	273
Period (mmboe)	27.3	111.5	23.0	24.1	24.8	25.1	97.0	24.6	25.2	99.7
Price (US\$/boe)	34.19	37.01	43.18	44.93	45.72	46.06	45.01	44.82	44.13	45.18
Expense (US\$/boe)	27.97	26.18	23.39	23.49	20.00	20.00	21.67	20.00	20.00	20.00
Ebitda - Production (US\$/boe)	6.22	10.83	19.79	21.44	25.72	26.06	23.34	24.82	24.13	25.18
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	6.22	10.83	19.79	21.44	25.72	26.06	23.34	24.82	24.13	25.18
Period (US\$m)	170	1,207	454	517	637	655	2,263	610	609	2,511
Deprec, Deplet, Amort, Other	794	3,110	457	506	518	524	2,005	512	525	2,079
Ebit (US\$m)	(624)	(1,903)	(3)	11	119	131	258	98	84	432
Interest	82	325	103	98	98	98	397	98	98	392
Ebt (US\$m)	(706)	(2,228)	(106)	(87)	21	33	(139)	(0)	(14)	40
Income Tax	(247)	(780)	(22)	(18)	4	7	(29)	(0)	(3)	8
Net Income (US\$m)										
Exploration and Production										
Other										
Unallocated										
Total	(459)	(1,448)	(84)	(68)	17	26	(110)	(0)	(11)	31
Shares (millions)	314	314	310	298	298	298	307	298	298	298
Earnings Per Share (US\$)	(1.46)	(4.61)	(0.27)	(0.23)	0.06	0.09	(0.36)	(0.00)	(0.04)	0.11
Dividend (US\$/share)	0.25	1.00	0.25	0.25	0.25	0.25	1.00	0.25	0.25	1.00
Present Value (US\$m)			24,156	23,759	23,759	23,759		23,759	23,759	23,759
Debt (US\$m)			7,133	7,397	7,397	7,397		7,397	7,397	7,397
Net Present Value (US\$m)			17,023	16,363	16,363	16,363		16,363	16,363	16,363
NPV (US\$/share)			55	55	55	55		55	55	55

Marathon Oil Corporation										
Next Twelve Months Operating and Financial Estimates										
	Q2	Year	Q1	Q2	Q3E	Q4E	Year	Q1E	Q2E	Next Twelve Months
	6/30/17	2017	3/31/18	6/30/18	9/30/18	12/31/18	2017	3/31/19	6/30/19	6/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	357	380	431	418	405	405	415	405	405	405
Period (mmboe)	32.4	138.5	38.8	38.1	37.3	37.3	151.4	36.5	36.9	147.9
Price (US\$/boe)	27.46	30.33	39.26	37.51	38.33	39.85	38.74	38.20	37.39	38.45
Expense (US\$/boe)	13.10	12.42	13.18	13.16	13.16	13.00	13.13	13.00	13.00	13.04
Ebitda - Production (US\$/boe)	14.36	17.92	26.08	24.35	25.17	26.85	25.61	25.20	24.39	25.41
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	14.36	17.92	26.08	24.35	25.17	26.85	25.61	25.20	24.39	25.41
Period (US\$m)	466	2,482	1,011	927	938	1,001	3,877	919	899	3,757
Deprec, Deplet, Amort, Other	602	2,539	772	700	677	677	2,827	652	652	2,658
Ebit (US\$m)	(136)	(57)	239	226	261	324	1,051	267	247	1,099
Interest	86	270	45	65	65	65	240	65	65	260
Ebt (US\$m)	(222)	(327)	194	161	196	259	811	202	182	839
Income Tax	(78)	(114)	41	34	41	54	170	42	38	176
Net Income (US\$m)										
Exploration and Production										
Other										
Unallocated										
Total	(145)	(212)	153	128	155	204	640	159	144	663
Shares (millions)	850	850	852	850	850	850	850	850	850	850
Earnings Per Share (US\$)	(0.17)	(0.25)	0.18	0.15	0.18	0.24	0.75	0.19	0.17	0.78
Dividend (US\$/share)	0.05	0.20	0.05	0.05	0.05	0.05	0.20	0.05	0.05	0.20
Present Value (US\$m)	24,129		32,294	40,712	40,712	40,712		40,712	40,712	
Debt (US\$m)	7,129		6,734	6,712	6,712	6,712		6,712	6,712	
Net Present Value (US\$m)	17,000		25,560	34,000	34,000	34,000		34,000	34,000	
NPV (US\$/share)	20		30	40	40	40		40	40	40



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Analysis of Oil and Gas Stocks
August 9, 2018

Table 1
McDep Energy Stocks
Ranked by McDep Ratio

		Price (US\$/sh)	Market Cap (US\$m)	Enterprise Value (\$mm)	EV/ Market Cap	EV/ Ebitda NTM	PV/ Ebitda NTM	Oil Prod'n/ Ebitda (%)	Dist. Yield NTM (%)	McDep Ratio (EV/PV)
	Symbol/Rating	8-Aug 2018								
Integrated										
	XOM	80.73	345,000	435,000	1.26	8.0	8.7	51	4.1	0.92
	SUN	41.18	68,000	87,000	1.29	7.0	8.2	77	2.7	0.86
	CVX	123.88	238,000	298,000	1.25	7.2	8.4	63	3.6	0.86
	RDS-B	69.50	291,000	408,000	1.40	7.1	9.3	48	5.4	0.76
	<i>Total or Median</i>		<i>942,000</i>	<i>1,228,000</i>	<i>1.27</i>	<i>7.2</i>	<i>8.6</i>	<i>57</i>	<i>3.8</i>	<i>0.86</i>
Large Independent										
	OXY	81.20	62,300	76,000	1.22	8.4	7.8	79	3.8	1.07
	EOG	122.77	71,200	78,300	1.10	8.1	8.5	90	0.5	0.95
	PXD	188.03	32,200	34,800	1.08	8.6	9.1	94	0.0	0.94
	COP	71.39	84,000	106,000	1.26	7.3	8.0	77	1.6	0.91
	<i>Total or Median</i>		<i>249,700</i>	<i>295,100</i>	<i>1.16</i>	<i>8.2</i>	<i>8.3</i>	<i>84</i>	<i>1.0</i>	<i>0.95</i>
Mid-Size Independent										
	HES	65.93	19,600	27,000	1.38	10.8	9.5	89	1.5	1.14
	CLR	63.31	23,700	30,100	1.27	7.8	8.5	83	-	0.92
	DEV	42.67	22,400	27,100	1.21	7.5	10.1	88	0.7	0.75
	XEC	88.95	8,500	10,100	1.19	6.7	9.9	85	0.7	0.67
	MRO	20.14	17,120	23,800	1.39	6.3	10.8	89	1.0	0.59
	<i>Total or Median</i>		<i>91,300</i>	<i>118,100</i>	<i>1.27</i>	<i>7.5</i>	<i>9.9</i>	<i>88</i>	<i>0.7</i>	<i>0.75</i>
Small Independent										
	CRC	34.34	1,400	8,200	5.8	6.3	8.4	93	-	0.75
	WLL	47.25	4,400	7,500	1.73	5.1	8.4	97	-	0.61
	RRC	15.92	3,900	8,600	2.19	5.8	9.8	46	0.5	0.59
	BIREF	3.89	1,000	1,700	1.60	5.4	9.9	50	2.0	0.55
	<i>Total or Median</i>		<i>10,700</i>	<i>26,000</i>	<i>1.96</i>	<i>5.6</i>	<i>9.1</i>	<i>72</i>	<i>0.3</i>	<i>0.60</i>
Income										
	SBR	46.95	690	690	1.00	13.0	13.9	71	7.7	0.94
	PBT	9.19	430	430	1.00	11.6	12.7	80	8.5	0.92
	DMLP	18.15	590	590	1.00	8.9	11.8	86	9.8	0.76
	SJT	5.84	270	270	1.00	12.3	16.9	-	8.0	0.73
	CRT	15.09	90	90	1.00	8.1	13.4	38	10.2	0.61
	<i>Total or Median</i>		<i>2,100</i>	<i>2,100</i>	<i>1.00</i>	<i>11.6</i>	<i>13.4</i>	<i>71</i>	<i>8.5</i>	<i>0.76</i>

EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation, amort.

Estimated Ebitda (cash flow) tied to NTM futures prices for oil and natural gas. NTM = Next Twelve Months ending 6/30/19.

Estimated Present Value (PV) presumes a long-term price for oil of US\$70 a barrel and natural gas, \$4.00 a million btu.

McDep Ratio = Market cap and Debt to present value of oil and gas and other businesses. For historical research see www.mcdep.com



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Analysis of Oil and Gas Stocks
August 9, 2018

	Symbol/Rating	Price	Upstream NTM				Down-	Total	Distrib./ Ebitda (%)	Distrib. NTM (\$/sh)
		(US\$/sh) 8-Aug 2018	Volume (mmboe)	Equiv. Price (\$/boe)	Ebitda Margin (%)	Ebitda (\$/boe)	stream Uplift (\$/boe)	Ebitda NTM (\$mm)		
Integrated										
Royal Dutch Shell	RDS-B	69.50	1342	46.80	66	30.80	11.92	41,327	27	3.76
Exxon Mobil Corporation	XOM	80.73	1421	51.71	52	26.70	11.58	37,930	26	3.28
Chevron Corporation	CVX	123.88	1071	51.08	61	31.30	7.33	33,527	21	4.48
Suncor Energy	SU	41.18	288	59.06	56	33.01	10.07	9,517	15	1.10
	<i>Total or Median</i>		<i>4122</i>	<i>51.40</i>	<i>59</i>	<i>31.05</i>	<i>10.83</i>	<i>122,301</i>	<i>23</i>	
Large Independent										
ConocoPhillips	COP	71.39	481	50.34	60	30.30	0.00	14,571	9	1.14
EOG Resources, Inc.	EOG	122.77	288	46.09	73	33.59	0.00	9,682	3	0.56
Occidental Petroleum Corp.	OXY	81.20	262	48.55	59	28.60	6.11	7,484	26	3.12
Pioneer Natural Resources	PXD	188.03	130	43.73	71	31.20	0.00	4,045	0	0.08
	<i>Total or Median</i>		<i>1161</i>	<i>47.32</i>	<i>66</i>	<i>30.75</i>	<i>0.00</i>	<i>35,783</i>	<i>6</i>	
Mid-Size Independent										
Marathon Oil Corporation	MRO	20.14	148	38.45	66	25.40	0.00	3,757	5	0.20
Continental Resources	CLR	63.31	114	42.02	80	33.80	0.00	3,840	-	-
Devon Energy Corporation	DVN	42.67	199	32.69	55	18.10	0.00	3,595	5	0.32
Hess Corporation	HES	65.93	100	45.18	56	25.20	0.00	2,511	12	1.00
Cimarex Energy Company	XEC	88.95	83	28.07	65	18.20	0.00	1,505	4	0.64
	<i>Total or Median</i>		<i>642</i>	<i>38.45</i>	<i>65</i>	<i>25.20</i>	<i>0.00</i>	<i>15,207</i>	<i>5</i>	
Small Independent										
Whiting Petroleum Corporation	WLL	47.25	50	45.41	66	29.90	0.00	1,481	-	-
Range Resources	RRC	15.92	141	19.59	54	10.50	0.00	1,485	1	0.08
California Resources	CRC	34.34	49	53.26	50	26.70	0.00	1,312	-	-
Birchcliff Energy Ltd.	BIREF	3.89	23	18.79	72	13.60	0.00	307	7	0.08
	<i>Total or Median</i>		<i>263</i>	<i>32.50</i>	<i>60</i>	<i>20.15</i>	<i>0.00</i>	<i>4,585</i>	<i>1</i>	
Income										
Dorchester Minerals, L.P.	DMLP	18.15	2.35	37.96	74	27.99	0.00	66	87	1.78
Sabine Royalty Trust	SBR	46.95	1.77	34.57	86	29.75	0.00	53	100	3.60
Permian Basin RT	PBT	9.19	1.22	45.69	66	30.24	0.00	37	99	0.78
San Juan Basin Royalty Trust	SJT	5.84	3.72	11.93	50	5.94	0.00	22	98	0.47
Cross Timbers Royalty Trust	CRT	15.09	0.43	41.25	63	26.08	0.00	11	82	1.53
	<i>Total or Median</i>		<i>9</i>	<i>37.96</i>	<i>66</i>	<i>27.99</i>	<i>0.00</i>	<i>188</i>	<i>98</i>	

For historical research see www.mcdep.com

Table 3
McDep Energy Stocks
Net Present Value Per Share

		<i>Price</i>				<i>Devel.</i>	<i>Undev/</i>	<i>Nat</i>	<i>Top</i>	<i>Net</i>	
		<i>(US\$/sh)</i>				<i>Resrvs/</i>	<i>Devel.</i>	<i>Gas/</i>	<i>Line/</i>	<i>Present</i>	
	<i>Symbol/Rating</i>	<i>8-Aug</i>	<i>Shares</i>	<i>Debt</i>	<i>P/E</i>	<i>Prod</i>	<i>Resrvs</i>	<i>Ebitda</i>	<i>Ebitda</i>	<i>Value</i>	
		<i>2018</i>	<i>(mm)</i>	<i>(\$mm)</i>	<i>NTM</i>	<i>NTM</i>	<i>(%)</i>	<i>(%)</i>	<i>(%)</i>	<i>(US\$/sh)</i>	
Integrated											
	Chevron Corporation	CVX	123.88	1,919	60,359	16	7.0	57	23	150.00	
	Royal Dutch Shell	RDS-B	69.50	4,188	116,710	12	7.3	22	33	100.00	
	Exxon Mobil Corporation	XOM	80.73	4,271	90,130	13	9.8	52	27	90.00	
	Suncor Energy	SU	41.18	1,641	19,442	11	8.8	87		50.00	
	<i>Median</i>					<i>8.1</i>	<i>55</i>				
Large Independent											
	Pioneer Natural Resources	PXD	188.03	171	2,600	28	7.0	9	6	200.00	
	EOG Resources, Inc.	EOG	122.77	580	7,071	19	4.7	43	10	130.00	
	ConocoPhillips	COP	71.39	1,181	22,036	14	7.3	31	23	80.00	
	Occidental Petroleum Corp.	OXY	81.20	767	13,700	16	7.4	35	4	75.00	
	<i>Median</i>					<i>7.1</i>	<i>33</i>				
Mid-Size Independent											
	Cimarex Energy Company	XEC	88.95	95	1,579	13	5.0	35	15	140.00	
	Continental Resources	CLR	63.31	375	6,333	22	5.3	121	17	70.00	
	Devon Energy Corporation	DVN	42.67	525	4,720	18	8.8	24	12	60.00	
	Hess Corporation	HES	65.93	298	7,397		7.3	59	11	55.00	
	Marathon Oil Corporation	MRO	20.14	850	6,712	26	6.1	60	11	40.00	
	<i>Median</i>					<i>6.1</i>	<i>59</i>				
Small Independent											
	Whiting Petroleum Corporation	WLL	47.25	92	3,170	49	6.8	84	3	100.00	
	California Resources	CRC	34.34	42	6,800		9.0	41	7	100.00	
	Range Resources	RRC	15.92	246	4,657	11	9.9	83	54	40.00	
	Birchcliff Energy Ltd.	BIREF	3.89	268	625	17	7.2	228	50	9.00	
	<i>Median</i>					<i>8.1</i>	<i>83</i>				
Income											
	Sabine Royalty Trust	SBR	46.95	15	-	13	10.1	3	37	100	50.00
	Cross Timbers Royalty Trust	CRT	15.09	6	-	10	11.7	-	69	82	25.00
	Dorchester Minerals, L.P.	DMLP	18.15	32	-	13	6.9	-	17	78	24.00
	Permian Basin RT	PBT	9.19	47	-	12	6.7	-	21	43	10.00
	San Juan Basin Royalty Trust	SJT	5.84	47	-	13	11.2	-	100	-	8.00
	<i>Median</i>					<i>10.1</i>					
P/E = Stock Price to Earnings. For historical research see www.mcdep.com .											



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Analysis of Oil and Gas Stocks
August 9, 2018

Table 4										
McDep Energy Stocks										
Total Return Year-to-Date 2018										
Ranked by Unlevered Total Return										
		Price (\$/sh)	Price (\$/sh)	Price Change (%)	Cash Distrib. (%)	Equity Total Return (%)	Debt Return (\$/sh)	Unlevered Total Return (%)	McDep Ratio	
	Symbol/Rati	8-Aug 2018	29-Dec 2017							
Integrated										
	Suncor Energy	SU	41.18	36.72	12	2	14	12	10	0.86
	Royal Dutch Shell	RDS-B	69.50	68.29	2	3	5	28	3	0.76
	Chevron Corporation	CVX	123.88	125.19	(1)	2	1	31	1	0.86
	Exxon Mobil Corporation	XOM	80.73	83.64	(3)	2	(2)	21	(1)	0.92
	<i>Median</i>				0		3		2	0.86
Large Independent										
	ConocoPhillips	COP	71.39	54.89	30	1	31	19	23	0.91
	EOG Resources, Inc.	EOG	122.77	107.91	14	0	14	12	13	0.95
	Occidental Petroleum Corp.	OXY	81.20	73.66	10	2	12	18	10	1.07
	Pioneer Natural Resources	PXD	188.03	172.85	9	0	9	15	8	0.94
	<i>Median</i>				12		13		11	0.95
Mid-Size Independent										
	Hess Corporation	HES	65.93	47.47	39	1	40	25	26	1.14
	Continental Resources	CLR	63.31	52.97	20	-	20	17	15	0.92
	Marathon Oil Corporation	MRO	20.14	16.93	19	1	20	8	13	0.59
	Devon Energy Corporation	DVN	42.67	41.40	3	0	3	9	3	0.75
	Cimarex Energy Company	XEC	88.95	122.01	(27)	0	(27)	17	(24)	0.67
	<i>Median</i>				19		20		13	0.75
Small Independent										
	Whiting Petroleum Corporation	WLL	47.25	26.48	78	-	78	34	34	0.61
	California Resources	CRC	34.34	19.44	77	-	77	163	8	0.75
	Birchcliff Energy Ltd.	BIREF	3.89	3.50	11	1	12	2	7	0.55
	Range Resources	RRC	15.92	17.06	(7)	0	(6)	19	(3)	0.59
	<i>Median</i>				44		44		8	0.60
Income										
	Dorchester Minerals, L.P.	DMLP	18.15	15.20	19	9	28	-	28	0.76
	Sabine Royalty Trust	SBR	46.95	44.60	5	4	9	-	9	0.94
	Cross Timbers Royalty Trust	CRT	15.09	14.69	3	5	8	-	8	0.61
	Permian Basin RT	PBT	9.19	8.87	4	4	8	-	8	0.92
	San Juan Basin Royalty Trust	SJT	5.84	8.24	(29)	3	(26)	-	(26)	0.73
	<i>Median</i>				4		8		8	0.76
	<i>Grand Median</i>				10		11		8	0.81
	Natural Gas (\$/mmbtu)		2.94	2.95	(0)					
	Oil -West Texas Intermediate (\$/bbl)		66.75	60.09	11					
	Total Stock Market - U.S.	VTI	147.27	137.25	7	1	8			
	Developed Markets - ex US	VEA	43.51	44.86	(3)	2	(1)			
	Emerging Markets	VWO	43.28	45.91	(6)	1	(5)			
	Total Stock Market - World	VT	75.72	74.26	2	1	3			
Source: McDep LLC, Yahoo, CME Group, Bloomberg					For historical research see www.mcdep.com					



Analysis of Oil and Gas Stocks
August 9, 2018

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