

Shale Players CLR, XEC, HES, DVN, MRO

		Price (US\$/sh)	Market Cap	Enterprise Value	EV/ Market	EV/ Ebitda	PV/ Ebitda	Prod'n/ Ebitda	Oil Yield	Dist. McDep
	Symbol/Rating	8-Nov 2018	(US\$mm)	(US\$mm)	Cap	NTM	NTM	(%)	(%)	Ratio
Hess Corporation	HES	59.36	17,700	26,800	1.52	8.6	8.1	90	1.7	1.05
Continental Resources	CLR	50.09	18,800	25,100	1.34	5.8	7.5	81	-	0.77
Cimarex Energy Company	XEC	90.70	8,700	10,000	1.16	5.6	8.3	83	0.8	0.68
Devon Energy Corporation	DVN	32.70	16,200	22,800	1.41	5.8	9.2	87	1.0	0.63
Marathon Oil Corporation	MRO	18.15	15,410	22,200	1.44	4.7	8.7	89	1.1	0.54
Total or Median			76,800	106,900	1.41	5.8	8.3	87	1.0	0.68

Summary and Recommendation

Five stocks in our Mid-Size Independent Group offer oil volume growth, price sensitivity and sustainable cash flow at a low median McDep Ratio of 0.68, down from 0.75 three months ago. **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. Depending on equivalent oil price, volume growth may drive cash flow higher (see chart [Ebitda](#) on page 2).

- XEC stock performs best in the past three months after lagging most in 2018. The company's conservative financial strategy delivers the best earnings trend (see chart [EPS](#) on page 3). Wide differentials for oil price and natural gas price in the Permian Basin for temporary lack of adequate pipeline capacity to markets remain a current challenge.
- CLR and DVN have each declined more than 20% in stock price since August 9 when we last featured mid-size stocks as a group. Most of that decline occurred in October and before the U.S. elections on November 6. We are optimistic about stock price gains in a more favorable phase of the election and seasonal cycles beginning about now.
- MRO is the McDep Ratio pick of the group. Stock price is down by 10%, which is near the peer median. Derived from third quarter results released on November 7, our estimated Ebitda of a billion dollars exceeded our estimate made three months ago by 7%, also near the peer median extra.
- HES at a McDep Ratio near 1.0 seems to reflect the value of currently producing properties. A giant oil find offshore Guyana may justify raising Net Present Value (NPV) to perhaps \$80 a share from \$55. Management plans an Investor Day on December 12 that will undoubtedly feature the South American discovery.

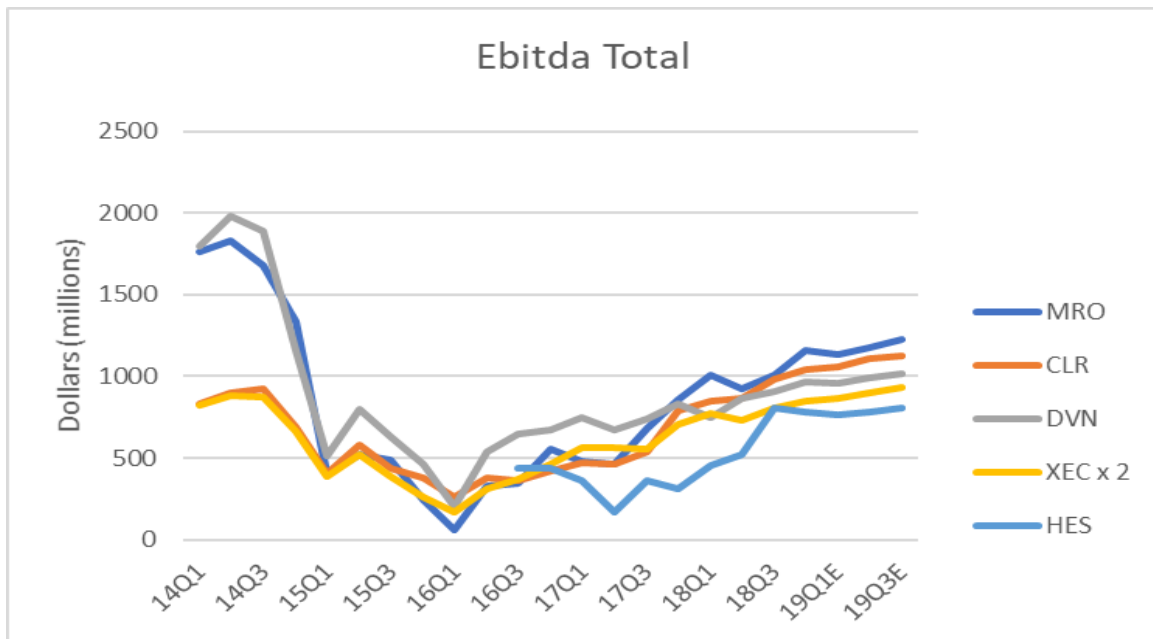
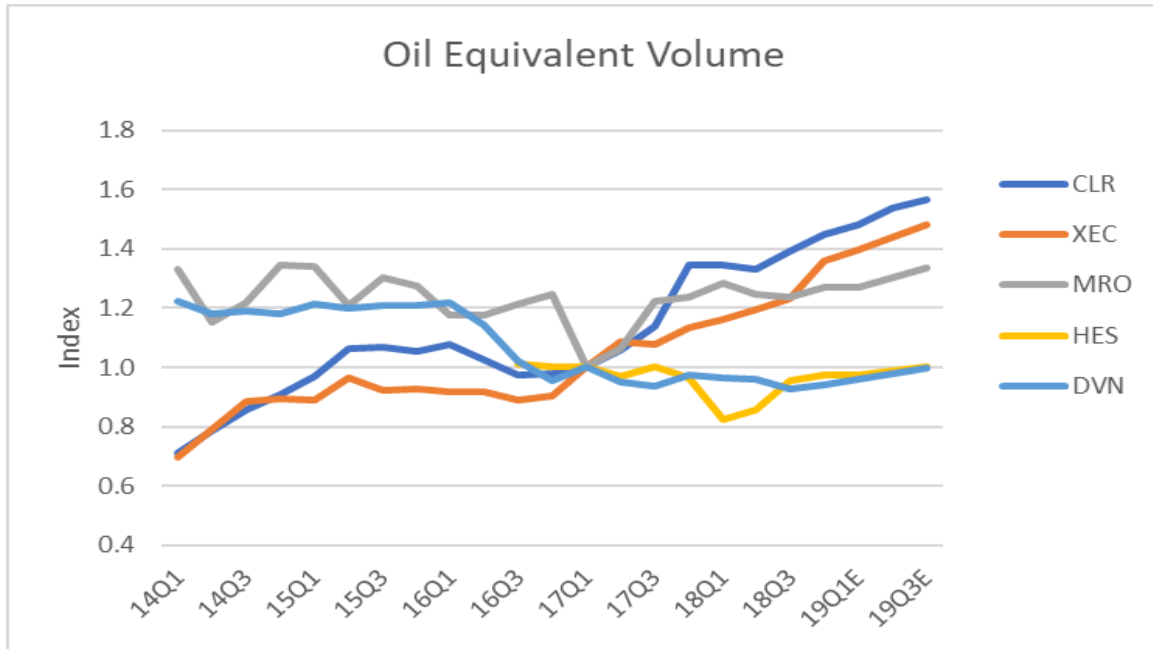
Third quarter results disclosed from October 30 to November 7 are included in updated abbreviated financial models for five companies (see tables [Operating and Financial Performance](#) on page 3-5). Valuation tables add context, including McDep Ratio and year-to-date performance, for all 22 stocks in our coverage (see [Tables 1-4](#) on pages 6-9).

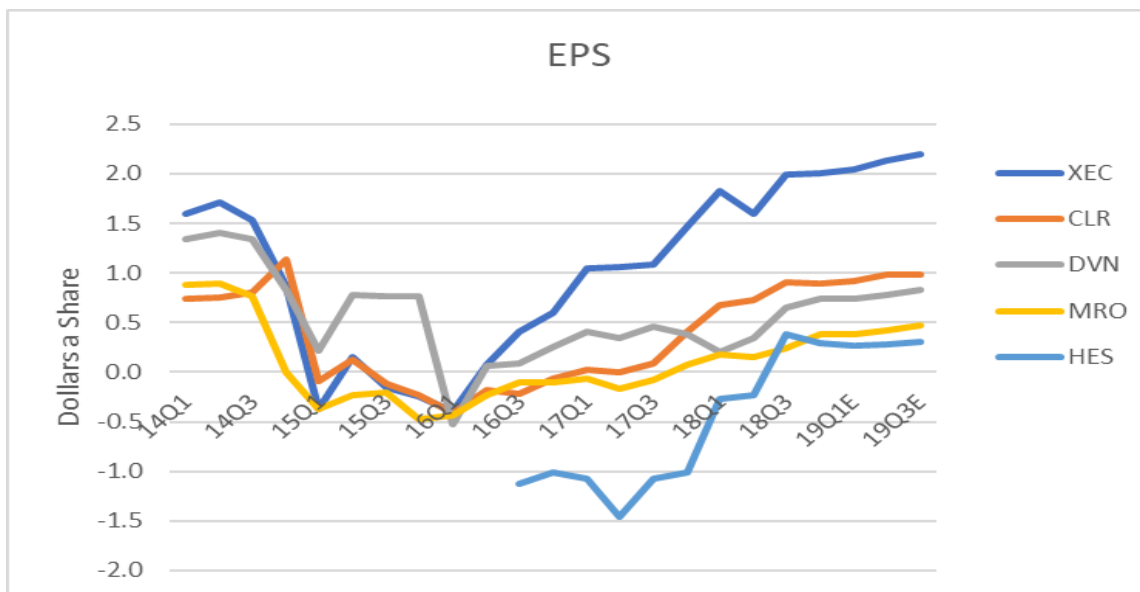
Kurt H. Wulff, CFA



Industry Idea

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Cimarex Energy Company										
Next Twelve Months Operating and Financial Estimates										
	Q3	Year	Q2	Q3	Q4E	Year	Q1E	Q2E	Q3E	Next Twelve Months
	9/30/17	2017	6/30/18	9/30/18	12/31/18	2017	3/31/19	6/30/19	9/30/19	9/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	191	190	212	219	241	219	248	255	263	252
Period (mmboe)	17.3	68.9	19.3	19.9	21.9	79.6	22.3	23.2	23.9	91.3
Price (US\$/boe)	25.81	26.98	28.30	28.97	29.35	29.14	29.35	29.35	29.35	29.35
Expense (US\$/boe)	9.69	9.61	9.30	8.79	9.92	9.30	9.92	9.92	9.92	9.92
Ebitda - Production (US\$/boe)	16.12	17.37	19.01	20.18	19.43	19.84	19.43	19.43	19.43	19.43
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	16.12	17.37	19.01	20.18	19.43	19.84	19.43	19.43	19.43	19.43
Period (US\$mm)	280	1,197	366	401	425	1,579	433	451	465	1,774
Deprec, Deplet, Amort, Other	112	464	162	149	171	636	174	181	187	712
Ebit (US\$mm)	168	733	204	253	255	943	259	270	278	1,062
Interest	11	51	12	12	12	48	12	12	12	48
Ebt (US\$mm)	157	682	192	241	243	895	247	258	266	1,014
Income Tax	55	239	40	51	51	188	52	54	56	213
Net Income (US\$mm)										
Exploration and Production										
Other										
Unallocated										
Total	102	443	152	190	192	707	195	204	210	801
Shares (millions)	94	95	95	96	96	96	96	96	96	96
Earnings Per Share (US\$)	1.09	4.67	1.59	1.99	2.01	7.41	2.05	2.13	2.20	8.39
Dividend (US\$/share)	0.08	0.32	0.16	0.18	0.18	0.68	0.18	0.18	0.18	0.72
Present Value (US\$mm)	12,703		14,935	14,719	14,719		14,719	14,719	14,719	
Debt (US\$mm)	1,483		1,579	1,349	1,349		1,349	1,349	1,349	
Net Present Value (US\$mm)	11,220		13,356	13,370	13,370		13,370	13,370	13,370	
NPV (US\$/share)	120		140	140	140		140	140	140	140

Continental Resources										
Next Twelve Months Operating and Financial Estimates										
	Q3	Year	Q2	Q3	Q4E	Year	Q1E	Q2E	Q3E	Next Twelve Months
	9/30/17	2017	6/30/18	9/30/18	12/31/18	2018	3/31/19	6/30/19	9/30/19	9/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	243	243	284	297	309	295	316	329	334	322
Period (mmboe)	22.3	88.5	25.8	27.4	28.4	107.5	28.4	29.9	30.8	117.6
Price (US\$/boe)	31.98	33.62	42.13	44.84	45.42	43.50	45.88	45.88	45.42	45.65
Expense (US\$/boe)	8.06	8.18	8.55	8.99	8.75	8.68	8.78	8.78	8.75	8.76
Ebitda - Production (US\$/boe)	23.92	25.44	33.58	35.84	36.68	34.82	37.09	37.09	36.68	36.88
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	23.92	25.44	33.58	35.84	36.68	34.82	37.09	37.09	36.68	36.88
Period (US\$m)	534	2,251	868	980	1,043	3,744	1,055	1,110	1,129	4,337
Deprec, Deplet, Amort, Other	408	1,657	447	480	543	1,924	543	570	587	2,242
Ebit (US\$m)	127	594	421	500	501	1,820	513	539	542	2,095
Interest	75	295	74	73	74	297	74	74	74	296
Ebt (US\$m)	52	299	347	427	427	1,523	439	465	468	1,799
Income Tax	18	105	73	90	90	320	92	98	98	378
Net Income (US\$m)										
Exploration and Production										
Other										
Unallocated										
Total	34	194	274	338	337	1,203	347	368	370	1,421
Shares (millions)	373	374	375	375	375	375	375	375	375	375
Earnings Per Share (US\$)	0.09	0.52	0.73	0.90	0.90	3.21	0.92	0.98	0.99	3.79
Dividend (US\$/share)										
Present Value (US\$m)	27,557		32,559	32,424	32,424		32,424	32,424	32,424	
Debt (US\$m)	6,669		6,309	6,174	6,174		6,174	6,174	6,174	
Net Present Value (US\$m)	20,888		26,250	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										
	Q3	Year	Q2	Q3	Q4E	Year	Q1E	Q2E	Q3E	Next Twelve Months
	9/30/17	2017	6/30/18	9/30/18	12/31/18	2017	3/31/19	6/30/19	9/30/19	9/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	527	544	542	522	530	534	540	551	562	546
Period (mmboe)	48	198	49	48	49	195	49	50	52	199
Price (US\$/boe)	25.68	25.97	31.83	33.49	34.35	31.85	34.35	34.35	34.35	34.35
Expense (US\$/boe)	12.68	13.03	14.70	14.59	14.59	14.72	14.59	14.60	14.61	14.60
Ebitda - Production (US\$/boe)	13.00	12.94	17.13	18.91	19.76	17.12	19.76	19.75	19.74	19.75
Downstream VA (US\$/boe)	2.25	2.14	0.41	-	-	0.74	-	-	-	-
Ebitda - Total										
Unit (US\$/boe)	15.24	15.08	17.53	18.91	19.76	17.86	19.76	19.75	19.74	19.75
Period (US\$m)	739	2,992	865	909	963	3,485	961	991	1,021	3,935
Deprec, Deplet, Amort, Other	238	1,204	514	377	376	1,758	376	376	376	1,504
Ebit (US\$m)	501	1,789	351	531	587	1,727	585	615	645	2,431
Interest	127	496	125	125	125	500	125	125	125	500
Ebt (US\$m)	374	1,293	226	406	462	1,227	460	490	520	1,931
Income Tax	131	452	47	85	97	258	97	103	109	406
Net Income (US\$m)										
Exploration and Production										
Other										
Unallocated										
Total	243	840	178	321	365	970	363	387	411	1,526
Shares (millions)	529	529	524	494	494	503	494	494	494	494
Earnings Per Share (US\$)	0.46	1.59	0.34	0.65	0.74	1.93	0.74	0.78	0.83	3.09
Dividend (US\$/share)	0.06	0.18	0.08	0.08	0.08	0.24	0.08	0.08	0.08	0.32
Present Value (US\$m)	31,551		36,160	36,267	36,267		36,267	36,267	36,267	
Debt (US\$m)	7,746		4,720	6,627	6,627		6,627	6,627	6,627	
Net Present Value (US\$m)	23,805		31,440	29,640	29,640		29,640	29,640	29,640	
NPV (US\$/share)	45		60	60	60		60	60	60	60



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Hess Corporation										
Next Twelve Months Operating and Financial Estimates										
	Q3	Year	Q2	Q3	Q4E	Year	Q1E	Q2E	Q3E	Next Twelve Months
	9/30/17	2017	6/30/18	9/30/18	12/31/18	2018	3/31/19	6/30/19	9/30/19	9/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	311	305	265	297	301	280	301	306	310	305
Period (mmboc)	28.6	111.5	24.1	27.3	27.7	102.1	27.1	27.8	28.6	111.2
Price (US\$/boe)	35.13	37.01	44.93	47.88	48.21	46.21	48.21	48.21	48.21	48.21
Expense (US\$/boe)	22.54	26.18	23.49	18.33	20.00	21.14	20.00	20.00	20.00	20.00
Ebitda - Production (US\$/boe)	12.59	10.83	21.44	29.55	28.21	25.08	28.21	28.21	28.21	28.21
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	12.59	10.83	21.44	29.55	28.21	25.08	28.21	28.21	28.21	28.21
Period (US\$mm)	360	1,207	517	807	782	2,560	765	785	805	3,137
Deprec, Deplet, Amort, Other	799	3,110	506	565	572	2,100	566	579	593	2,311
Ebit (US\$mm)	(439)	(1,903)	11	242	210	460	199	206	213	826
Interest	79	325	98	99	99	399	99	99	99	396
Ebt (US\$mm)	(518)	(2,228)	(87)	143	111	61	100	107	114	430
Income Tax	(181)	(780)	(18)	30	23	13	21	22	24	90
Net Income (US\$mm)										
Exploration and Production										
Other										
Unallocated										
Total	(337)	(1,448)	(68)	113	87	48	79	84	90	340
Shares (millions)	315	314	298	297	297	278	297	297	297	297
Earnings Per Share (US\$)	(1.07)	(4.61)	(0.23)	0.38	0.29	0.17	0.26	0.28	0.30	1.14
Dividend (US\$/share)	0.25	1.00	0.25	0.25	0.25	1.00	0.25	0.25	0.25	1.00
Present Value (US\$mm)			23,759	25,528	25,528		25,528	25,528	25,528	25,528
Debt (US\$mm)			7,397	9,177	9,177		9,177	9,177	9,177	9,177
Net Present Value (US\$mm)			16,363	16,352	16,352		16,352	16,352	16,352	16,352
NPV (US\$/share)			55	55	55		55	55	55	55

Marathon Oil Corporation										
Next Twelve Months Operating and Financial Estimates										
	Q3	Year	Q2	Q3	Q4E	Year	Q1E	Q2E	Q3E	Next Twelve Months
	9/30/17	2017	6/30/18	9/30/18	12/31/18	2018	3/31/19	6/30/19	9/30/19	9/30/19
Volume (barrels oil equivalent)										
Daily (mboed)	410	380	418	415	426	422	426	437	449	434
Period (mmboc)	37.7	138.5	38.1	38.1	39.2	154.2	38.3	39.8	41.3	158.5
Price (US\$/boe)	29.77	30.33	37.51	40.11	42.54	39.87	42.54	42.65	42.76	42.62
Expense (US\$/boe)	11.77	12.42	13.16	13.74	13.00	13.27	13.00	13.00	13.00	13.00
Ebitda - Production (US\$/boe)	18.00	17.92	24.35	26.37	29.54	26.60	29.54	29.65	29.76	29.62
Downstream VA (US\$/boe)										
Ebitda - Total										
Unit (US\$/boe)	18.00	17.92	24.35	26.37	29.54	26.60	29.54	29.65	29.76	29.62
Period (US\$mm)	679	2,482	927	1,006	1,157	4,101	1,132	1,179	1,228	4,695
Deprec, Deplet, Amort, Other	749	2,539	700	690	682	2,844	666	666	666	2,680
Ebit (US\$mm)	(70)	(57)	227	316	475	1,257	466	513	562	2,015
Interest	35	270	65	58	58	226	58	58	58	232
Ebt (US\$mm)	(105)	(327)	162	258	417	1,031	408	455	504	1,783
Income Tax	(37)	(114)	34	54	88	217	86	96	106	374
Net Income (US\$mm)										
Exploration and Production										
Other										
Unallocated										
Total	(68)	(212)	128	204	329	815	322	359	398	1,409
Shares (millions)	850	850	855	849	849	851	849	849	849	849
Earnings Per Share (US\$)	(0.08)	(0.25)	0.15	0.24	0.39	0.96	0.38	0.42	0.47	1.66
Dividend (US\$/share)	0.05	0.20	0.05	0.05	0.05	0.20	0.05	0.05	0.05	0.20
Present Value (US\$mm)	23,194		40,912	40,704	40,704		40,704	40,704	40,704	
Debt (US\$mm)	7,044		6,712	6,744	6,744		6,744	6,744	6,744	
Net Present Value (US\$mm)	16,150		34,200	33,960	33,960		33,960	33,960	33,960	
NPV (US\$/share)	19		40	40	40		40	40	40	40

Table 1											
McDep Energy Stocks											
Ranked by McDep Ratio											
			Price						Oil	Dist.	
	Symbol/Rating	8-Nov	Market	Enterprise	EV/	EV/	PV/	Prod'n/	Yield	McDep	
		2018	Cap	Value	Market	Ebitda	Ebitda	Ebitda	NTM	Ratio	
			(US\$mm)	(\$mm)	Cap	NTM	NTM	(%)	(%)	(EV/PV)	
Integrated											
Exxon Mobil Corporation	XOM	81.91	350,000	440,000	1.26	7.8	8.4	50	4.0	0.93	
Chevron Corporation	CVX	119.37	229,000	285,000	1.25	6.2	7.4	61	3.8	0.83	
Suncor Energy	SU	33.99	55,000	74,000	1.33	5.8	7.9	76	3.2	0.74	
Royal Dutch Shell	RDS-B	64.82	271,000	387,000	1.43	6.6	9.1	50	5.8	0.72	
Total or Median			905,000	1,186,000	1.30	6.4	8.1	56	3.9	0.78	
Large Independent											
Occidental Petroleum Corp.	OXY	72.42	55,300	69,000	1.25	7.2	7.4	65	4.3	0.97	
ConocoPhillips	COP	66.85	78,000	99,000	1.26	6.1	7.0	77	1.8	0.86	
EOG Resources, Inc.	EOG	104.95	61,100	68,200	1.12	6.4	7.8	90	0.8	0.82	
Pioneer Natural Resources	PXD	156.91	26,800	29,400	1.10	7.7	9.6	94	0.2	0.80	
Total or Median			221,200	265,600	1.18	6.8	7.6	84	1.3	0.84	
Mid-Size Independent											
Hess Corporation	HES	59.36	17,700	26,800	1.52	8.6	8.1	90	1.7	1.05	
Continental Resources	CLR	50.09	18,800	25,100	1.34	5.8	7.5	81	-	0.77	
Cimarex Energy Company	XEC	90.70	8,700	10,000	1.16	5.6	8.3	83	0.8	0.68	
Devon Energy Corporation	DVN	32.70	16,200	22,800	1.41	5.8	9.2	87	1.0	0.63	
Marathon Oil Corporation	MRO	18.15	15,410	22,200	1.44	4.7	8.7	89	1.1	0.54	
Total or Median			76,800	106,900	1.41	5.8	8.3	87	1.0	0.68	
Small Independent											
California Resources	CRC	26.94	1,200	8,000	6.9	5.5	7.7	91	-	0.72	
Range Resources	RRC	17.04	4,200	8,900	2.11	6.3	10.3	46	0.5	0.61	
Whiting Petroleum Corporation	WLL	35.58	3,300	6,400	1.97	3.8	7.4	98	-	0.52	
Birchcliff Energy Ltd.	BIREF	3.28	900	1,500	1.73	4.5	9.1	48	2.4	0.50	
Total or Median			9,600	24,800	2.04	5.0	8.4	69	0.2	0.57	
Income											
Dorchester Minerals, L.P.	DMLP	18.50	600	600	1.00	8.3	10.8	87	10.1	0.77	
Sabine Royalty Trust	SBR	38.11	560	560	1.00	11.7	15.4	66	8.5	0.76	
Permian Basin RT	PBT	7.38	340	340	1.00	11.0	15.0	80	9.0	0.74	
San Juan Basin Royalty Trust	SJT	5.30	250	250	1.00	9.0	13.6	-	8.5	0.66	
Cross Timbers Royalty Trust	CRT	14.87	90	90	1.00	8.1	13.6	38	10.1	0.59	
Total or Median			1,840	1,840	1.00	9.0	13.6	66	9.0	0.74	
EV = Enterprise Value = Market Cap and Debt; Ebitda = Earnings before interest, tax, depreciation, amort.											
Estimated Ebitda (cash flow) tied to one-year prices of US\$70 a barrel and \$3 a million btu. NTM = Next Twelve Months ending 9/30/19.											
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											

Table 2										
McDep Energy Stocks										
Unlevered Cash Flow (Ebitda)										
Ranked by Total Ebitda										
		Price		Upstream NTM			Down-	Total		
		(US\$/sh)		Equiv.	Ebitda		stream	Ebitda	Distrib./	Distrib.
	Symbol/Rating	8-Nov	Volume	Price	Margin	Ebitda	Uplift	NTM	Ebitda	NTM
		2018	(mmboe)	(\$/boe)	(%)	(\$/boe)	(\$/boe)	(\$mm)	(%)	(\$/sh)
Integrated										
Royal Dutch Shell	RDS-B	64.82	1374	48.98	63	31.00	11.64	58,594	27	3.76
Exxon Mobil Corporation	XOM	81.91	1436	54.05	50	27.10	12.26	56,513	25	3.28
Chevron Corporation	CVX	119.37	1105	54.62	63	34.60	7.24	46,234	19	4.48
Suncor Energy	SU	33.99	309	61.61	50	31.07	9.87	12,667	14	1.10
Total or Median			4224	54.33	57	31.04	10.76	51,374	22	
Large Independent										
ConocoPhillips	COP	66.85	485	54.41	61	33.40	0.00	16,207	9	1.22
EOG Resources, Inc.	EOG	104.95	294	48.63	74	36.13	0.00	10,637	5	0.88
Occidental Petroleum Corp.	OXY	72.42	259	46.30	57	26.30	10.88	9,638	25	3.12
Pioneer Natural Resources	PXD	156.91	120	44.71	72	32.10	0.00	3,842	1	0.32
Total or Median			1159	47.46	67	32.75	0.00	10,138	7	
Mid-Size Independent										
Continental Resources	CLR	50.09	118	45.65	81	36.90	0.00	4,340	-	-
Marathon Oil Corporation	MRO	18.15	159	42.62	69	29.60	0.00	4,695	4	0.20
Devon Energy Corporation	DEV	32.70	199	34.35	58	19.80	0.00	3,935	4	0.32
Hess Corporation	HES	59.36	111	48.21	58	28.20	0.00	3,137	9	1.00
Cimarex Energy Company	XEC	90.70	91	29.35	66	19.40	0.00	1,774	4	0.72
Total or Median			678	42.62	66	28.20	0.00	3,935	4	
Small Independent										
Whiting Petroleum Corporation	WLL	35.58	49	48.89	70	34.30	0.00	1,673	-	-
California Resources	CRC	26.94	49	56.79	51	29.20	0.00	1,444	-	-
Range Resources	RRC	17.04	141	21.68	46	10.00	0.00	1,413	1	0.08
Birchcliff Energy Ltd.	BIREF	3.28	23	19.94	75	14.90	0.00	337	6	0.08
Total or Median			262	35.29	61	22.05	0.00	1,428	1	
Income										
Dorchester Minerals, L.P.	DMLP	18.50	2.47	41.41	70	29.04	0.00	72	84	1.87
Sabine Royalty Trust	SBR	38.11	1.73	32.89	83	27.36	0.00	47	100	3.25
Permian Basin RT	PBT	7.38	1.16	44.12	61	26.81	0.00	31	100	0.67
San Juan Basin Royalty Trust	SJT	5.30	3.99	13.93	49	6.89	0.00	27	76	0.45
Cross Timbers Royalty Trust	CRT	14.87	0.39	44.45	63	27.92	0.00	11	82	1.50
Total or Median			10	41.41	63	27.36	0.00	31	84	
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-Nov</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	119.37	1,917	56,349	12	6.8	57	26	150.00
	Royal Dutch Shell	RDS-B	64.82	4,177	116,710	11	7.2	22	31	100.00
	Exxon Mobil Corporation	XOM	81.91	4,271	90,130	13	9.7	52	28	90.00
	Suncor Energy	SU	33.99	1,628	18,438	10	8.2	87		50.00
	<i>Median</i>					7.7	55			
Large Independent										
	Pioneer Natural Resources	PXD	156.91	171	2,600	23	7.5	9	6	200.00
	EOG Resources, Inc.	EOG	104.95	582	7,071	14	4.6	43	10	130.00
	ConocoPhillips	COP	66.85	1,173	20,375	11	7.2	31	23	80.00
	Occidental Petroleum Corp.	OXY	72.42	763	13,700	14	7.4	35	7	75.00
	<i>Median</i>					7.3	33			
Mid-Size Independent										
	Cimarex Energy Company	XEC	90.70	96	1,349	11	4.5	35	17	140.00
	Continental Resources	CLR	50.09	375	6,333	13	5.1	121	19	70.00
	Devon Energy Corporation	DVN	32.70	494	6,627	11	8.7	24	13	60.00
	Hess Corporation	HES	59.36	297	9,177		6.5	59	10	55.00
	Marathon Oil Corporation	MRO	18.15	849	6,744	11	5.7	60	11	40.00
	<i>Median</i>					5.7	59			
Small Independent										
	Whiting Petroleum Corporation	WLL	35.58	92	3,170	13	6.9	84	2	100.00
	California Resources	CRC	26.94	43	6,800		8.9	41	9	100.00
	Range Resources	RRC	17.04	247	4,657	13	9.9	83	54	40.00
	Birchcliff Energy Ltd.	BIREF	3.28	268	641	11	7.2	228	52	9.00
	<i>Median</i>					8.0	83			
Income										
	Sabine Royalty Trust	SBR	38.11	15	-	12	10.4	3	33	50.00
	Cross Timbers Royalty Trust	CRT	14.87	6	-	10	13.2	-	69	25.00
	Dorchester Minerals, L.P.	DMLP	18.50	32	-	13	6.5	-	16	24.00
	Permian Basin RT	PBT	7.38	47	-	11	6.8	-	17	10.00
	San Juan Basin Royalty Trust	SJT	5.30	47	-	12	10.5	-	100	8.00
	<i>Median</i>					10.4				
P/E = Stock Price to Earnings. For historical research see www.mcdep.com .										

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	Unlevered Total Return		
	Symbol/Rati	8-Nov 2018	29-Dec 2017	(%)	(%)	(%)	Debt (\$/sh)	(%)	McDep Ratio
Integrated									
	XOM	81.91	83.64	(2)	3	1	21	1	0.93
	RDS-B	64.82	68.29	(5)	4	(1)	28	(1)	0.72
	CVX	119.37	125.19	(5)	3	(2)	29	(2)	0.83
	SU	33.99	36.72	(7)	2	(5)	11	(4)	0.74
	<i>Median</i>			(5)		(1)		(1)	0.78
Large Independent									
	COP	66.85	54.89	22	2	23	17	18	0.86
	OXY	72.42	73.66	(2)	3	1	18	1	0.97
	EOG	104.95	107.91	(3)	0	(2)	12	(2)	0.82
	PXD	156.91	172.85	(9)	0	(9)	15	(8)	0.80
	<i>Median</i>			(2)		(0)		(0)	0.84
Mid-Size Independent									
	HES	59.36	47.47	25	2	27	31	16	1.05
	MRO	18.15	16.93	7	1	8	8	6	0.54
	CLR	50.09	52.97	(5)	-	(5)	17	(4)	0.77
	DVN	32.70	41.40	(21)	1	(20)	13	(15)	0.63
	XEC	90.70	122.01	(26)	0	(25)	14	(23)	0.68
	<i>Median</i>			(5)		(5)		(4)	0.68
Small Independent									
	WLL	35.58	26.48	34	-	34	34	15	0.52
	CRC	26.94	19.44	39	-	39	159	4	0.72
	RRC	17.04	17.06	(0)	0	0	19	0	0.61
	BIREF	3.28	3.50	(6)	2	(5)	2	(3)	0.50
	<i>Median</i>			17		17		2	0.57
Income									
	DMLP	18.50	15.20	22	9	31	-	31	0.77
	CRT	14.87	14.69	1	7	8	-	8	0.59
	SBR	38.11	44.60	(15)	5	(10)	-	(10)	0.76
	PBT	7.38	8.87	(17)	5	(12)	-	(12)	0.74
	SJT	5.30	8.24	(36)	3	(32)	-	(32)	0.66
	<i>Median</i>			(15)		(10)		(10)	0.74
	<i>Grand Median</i>			(4)		(2)		(1)	0.74
Natural Gas (\$/mmbtu)									
		3.55	2.95	20					
Oil - West Texas Intermediate (\$/bbl)									
		60.66	60.09	1					
	VTI	143.31	137.25	4	1	6			
	VEA	40.40	44.86	(10)	2	(8)			
	VVO	39.08	45.91	(15)	2	(13)			
	VT	72.00	74.26	(3)	2	(1)			
Source: McDep LLC, Yahoo, CME Group, Bloomberg									
For historical research see www.mcdep.com									



Analysis of Oil and Gas Stocks
Intraday November 8, 2018

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