

July 18, 2018

ConocoPhillips (COP) Large Cap Cash Producer

Symbol	COP	Ebitda Next Twelve Months ending 6/30/19 (US\$mm)	13,600
Rating		Natural Gas/Ebitda (%)	24
Price (US\$/sh)	70.28	Natural Gas and Oil Production/Ebitda (%)	100
Pricing Date	7/17/18	Developed Reserves/Production NTM	7.7
Shares (mm)	1186	EV/Ebitda	7.8
Market Capitalization (US\$mm)	83,400	PV/Ebitda	8.7
Debt (US\$mm)	23,000	Undeveloped Reserves (%)	24
Enterprise Value (EV) (US\$mm)	106,000	Natural Gas and Oil Ebitda (US\$/boe)	29.70
Present Value (PV) (US\$mm)	118,000	Downstream Uplift (US\$/boe)	0
Net Present Value (US\$/share)	80	Oil and Gas Ebitda Margin (%)	62
Ebitda/Market Cap	1.28	Top Line/Ebitda (%)	0
McDep Ratio - EV/PV	0.90	Price/Earnings Next Twelve Months	16
Dividend Yield (%/year)	1.6	Indicated Annual Dividend (US\$/sh)	1.14
Note: Estimated cash flow and e	earnings tied to or	ne-year futures prices for oil and natural gas.	
Reported results may vary	widely from esti	imates. Estimated present value per share revised only infrequen	ntly.
Estimated present value p	resumes a long-te	erm price for oil of US\$70 a barrel and natural gas, \$4.00 a milli	on btu.
For historical analysis of	COP since 2002	see www.mcdep.com/2cocp.htm	

Summary and Recommendation

We like the stock of Large Cap Oil and Gas Producer ConocoPhillips (COP) for its disciplined strategy of returning cash to shareholders over a range of oil price outcomes. On July 12, the company announced an increase in its share repurchase program for 2018 from \$2 billion to \$3 billion. Along with a 1.6% dividend, the total cash to shareholders this year would exceed 5% of current market cap. McDep Ratio of 0.90 and Net Present Value of \$80 a share point to upside.

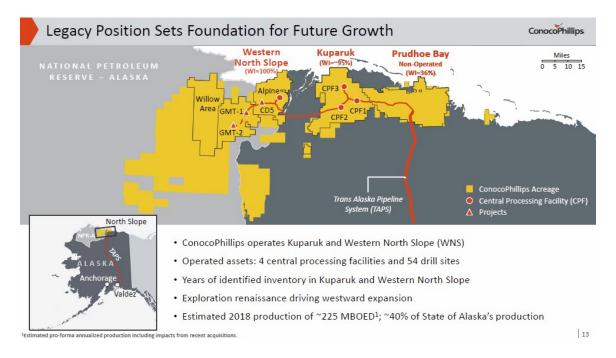
- At a U.S. oil price of \$40 a barrel, management believes it can keep production flat and pay the dividend while spending \$3.5 billion a year.
- At \$50 a barrel, production can grow 10% a year per debt-adjusted share and pay the dividend while spending \$5.5 billion a year.
- Near \$70 a barrel today, COP pays the dividend, holds its capital spending at \$5.5 billion, reduces debt to target level by year end and buys back more stock.

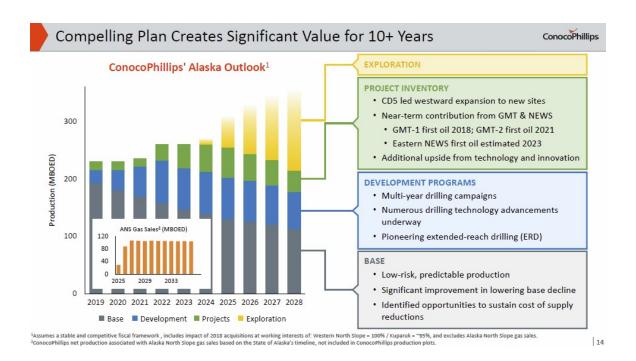
The company's globally diversified resource base supports confidence in meeting expectations at different oil prices. A presentation on July 17 highlights growth potential in Alaska where COP recently increased its ownership west of Prudhoe Bay (see slides on page 2).

Quarterly results to be released on July 26 ought to bolster estimated cash flow (Ebitda) of \$13.6 billion for the next twelve months (see table Operating and Financial Estimates on page 3). We are enthusiastic about COP along with other stocks in our coverage (see Tables 1-4 on pages 4-7).

Kurt H. Wulff, CFA









				ConocoPhill	•					
		Next Twel	ve Months	Operating a	and Financi	ial Estimate	S			•
										Next
	0.4		0.1	00.5	0.25	0.45		015	0.25	Twelve
	Q4	Year	Q1	Q2E	Q3E	Q4E	Year	QIE	Q2E	Months
	12/31/17	2017	3/31/18	6/30/18	9/30/18	12/31/18	2018	3/31/19	6/30/19	6/30/19
Volume										
Natural gas (bcf)										
U.S. (or North America)	55	399	53	52	53	54	212	54	56	218
Overseas (or Int'l)	209	795	202	197	203	208	809	207	214	832
Total	264	1,194	255	249	257	262	1,022	262	270	1,050
Natural Gas (mmcfd)										
North America	595	1,092	588	568	580	592	582	604	617	598
Overseas	2,273	2,178	2,240	2,164	2,209	2,255	2,217	2,303	2,351	2,279
Total	2,868	3,270	2,828	2,732	2,789	2,848	2,799	2,907	2,968	2,878
Days	92	365	90	91	92	92	365	90	91	365
Oil (mmb)	72	304	68	67	69	70	275	70	73	283
Oil (mbd)	778	832	761	735	750	766	753	782	799	774
Total gas & oil (bcf)	693	3,015	665	650	671	685	2,671	684	706	2,746
Total gas & oil (mbd)	1,256	1,377	1,232	1,190	1,215	1,241	1,220	1,267	1,294	1,254
Price										
Natural gas (\$/mcf)										
Henry Hub (\$/mmbtu)	2.93	3.11	3.01	2.80	2.81	2.81	2.86	2.94	2.59	2.79
North America	2.62	2.59	2.70	2.51	2.52	2.52	2.56	2.63	2.33	2.50
Overseas	5.10	4.80	5.77	5.77	5.77	5.77	5.77	5.77	5.77	5.77
Total	4.59	4.06	5.13	5.09	5.09	5.09	5.10	5.12	5.05	5.09
Oil (\$/bbl)										
WTI Cushing	55.40	50.94	62.88	67.86	68.38	65.16	66.07	63.92	62.89	65.09
Worldwide	53.08	44.10	56.35	60.81	61.27	58.39	59.19	57.27	56.36	58.29
Total gas & oil (\$/mcf)	7.23	6.05	7.76	8.21	8.25	7.96	8.04	7.85	7.73	7.95
Revenue (\$mm)										
Natural Gas										
North America	144	1,032	143	130	134	137	544	143	131	546
Overseas	1,067	3,819	1,163	1,136	1,172	1,197	4,668	1,196	1,234	4,799
Total	1,211	4,850	1,306	1,265	1,307	1,334	5,212	1,339	1,365	5,345
Oil	3,799	13,390	3,859	4,068	4,231	4,116	16,273	4,033	4,096	16,476
Other	3,725	14,344	3,796	3,796	3,796	3,796	15,184	3,796	3,796	15,184
Total	8,736	32,584	8,961	9,129	9,334	9,247	36,670	9,168	9,257	37,005
Expense	5,834	22,640	5,829	5,746	5,809	5,851	23,234	5,848	5,915	23,423
Ebitda (\$mm)	2,902	9,944	3,132	3,383	3,525	3,396	13,436	3,319	3,343	13,582
Exploration	214	645	95	125	125	125	470	125	125	500
Deprec., Deplet., & Amort.	1,633	6,845	1,412	1,412	1,412	1,412	5,648	1,500	1,500	5,824
Ebit	1,055	2,454	1,625	1,846	1,988	1,859	7,318	1,694	1,718	7,258
Interest	226	1,098	184	184	184	184	736	184	184	736
Ebt	829	1,356	1,441	1,662	1,804	1,675	6,582	1,510	1,534	6,522
Income Tax	290	475	303	349	379	352	1,382	317	322	1,370
Net Income (\$mm)	539	882	1,139	1,313	1,425	1,323	5,200	1,193	1,212	5,153
Shares (millions)	1,198	1,208	1,139	1,186	1,423	1,323	1,186	1,186	1,186	1,186
Per share (\$)	0.45	0.73	0.96	1.11	1.20	1.12	4.38	1.01	1.02	4.34
Ebitda Margin (E&P)	58%	55%	61%	63%	64%	62%	63%	62%	61%	62%
Tax Rate	35%	35%	21%	21%	21%	21%	21%	21%	21%	21%
Dividend	0.29	33/0	0.29	0.29	0.29	0.29	41 /0	0.29	0.29	1.14



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		Mcl	Table Dep Energ							
			ked by Mo	J.	n					
		IXAIIF	icu by Mic	рер кан	J .					
		Price						Oil	Dist.	
	2 1 1/2	(US\$/sh)	Market	Enterprise	EV/	EV/		Prod'n/	Yield	McDe
	Symbol/Rating	17-Jul	Cap	Value	Market	Ebitda	Ebitda	Ebitda	NTM	Ratio
Tuto musto d		2018	(US\$mm)	(\$mm)	Сар	NTM	NTM	(%)	(%)	(EV/PV
Integrated Exxon Mobil Corporation	XOM	82.31	352,000	442,000	1.26	8.6	9.3	47	4.0	0.93
Suncor Energy	SU	40.91	67,000	86,000	1.28	7.3	8.6	77	2.7	0.93
Chevron Corporation	CVX	121.91	233,000	296,000	1.28	7.5	8.8	61	3.7	0.85
Royal Dutch Shell	RDS-B	71.84	301,000	418,000	1.39	7.3	9.2	49	5.2	0.83
Total or Median		,1.07	953,000	1,242,000	1.28	7.4	9.0	55	3.8	0.78
Large Independent			233,000	1,272,000	1.20	7.7	7.0	33	5.0	0.03
Occidental Petroleum Corp.	OXY	82.69	63,400	77,100	1.22	8.9	8.2	78	3.8	1.08
EOG Resources, Inc.	EOG	124.32	74,300	81,400	1.10	8.7	9.1	90	0.4	0.96
Pioneer Natural Resources	PXD	182.64	31,200	33,800	1.08	8.1	8.8	94	0.0	0.92
ConocoPhillips	COP	70.28	83,000	107,000	1.28	7.8	8.7	75	1.6	0.90
Total or Median			251,900	299,300	1.16	8.4	8.7	84	1.0	0.94
Mid-Size Independent										
Hess Corporation	HES	63.46	19,600	28,000	1.43	11.8	10.7	88	1.6	1.10
Continental Resources	CLR	60.72	22,700	29,000	1.28	7.9	8.9	83	-	0.89
Devon Energy Corporation	DVN	44.08	23,300	28,300	1.21	8.3	10.8	86	0.7	0.77
Cimarex Energy Company	XEC	97.39	9,300	10,800	1.16	6.1	8.4	82	0.7	0.73
Marathon Oil Corporation	MRO	20.06	17,090	23,800	1.39	5.3	9.0	90	1.0	0.58
Total or Median			92,000	119,900	1.28	7.9	9.0	86	0.7	0.77
Small Independent		10.10		0.400						
California Resources	CRC	40.10	1,800	8,100	4.4	6.5	8.7	92	-	0.75
Whiting Petroleum Corporation	WLL	49.45	4,500	7,900	1.75	5.1	8.0	97	- 0.5	0.63
Range Resources	RRC	16.30	4,000	8,700	2.16	6.6	11.1	45	0.5	0.60
Birchcliff Energy Ltd.	BIREF	3.88	1,000	1,700	1.59	5.6	10.3	50	2.0	0.55
Total or Median Income			11,300	26,400	1.95	6.1	9.5	71	0.2	0.61
Permian Basin RT	PBT	9.03	420	420	1.00	11.7	13.0	80	8.4	0.90
Sabine Royalty Trust	SBR	44.80	650	650	1.00	12.7	14.2	71	7.9	0.90
Dorchester Minerals, L.P.	DMLP	19.20	620	620	1.00	9.4	11.8	84	9.1	0.90
San Juan Basin Royalty Trust	SJT	5.96	280	280	1.00	12.9	17.3	-	7.6	0.75
Cross Timbers Royalty Trust	CRT	14.43	90	90	1.00	7.8	13.5	38	10.5	0.78
Total or Median	Citi	11.13	2,100	2,100	1.00	11.7	13.5	71	8.4	0.80
EV = Enterprise Value = Market (Can and Debt: E	hitda = Farn	ings before inte	erest tay den	eciation	mort				
Estimated Ebitda (cash flow) tied							anding 6	/20/10		

McDep Ratio = \mathbf{M} arket cap and \mathbf{D} ebt to present value of oil and gas and other businesses. For historical research see www.mcdep.com



			Tab							
			Dep Ene							
	Į	Jnlever	ed Cash	Flow	(Ebitda	.)				
		Rank	ked by T	Total E	bitda					
		Price			m NTM		Down-	Total		
		(US\$/sh)		Equiv.	Ebitda		stream		Distrib./	Distrib
Sy	mbol/Rating			Price	Margin	Ebitda	Uplift	NTM	Ebitda	NTA
		2018	(mmboe)	(\$/boe)	(%)	(\$/boe)	(\$/boe)	(\$mm)	(%)	(\$/sh
Integrated	DDC D	71.04	1270	45.51	(0	21.00	11.60	42 402	27	2.7/
Royal Dutch Shell	RDS-B	71.84	1370	45.51	68	31.00	11.68	42,483	27	3.76
Exxon Mobil Corporation	XOM	82.31	1451	48.62	49	23.60	11.68	34,242	27	3.28
Chevron Corporation	CVX	121.91	1060	49.98	60	30.20	7.27	31,999	22	4.48
Suncor Energy	SU	40.91	300	56.11	54	30.36	9.10	9,095	15	1.09
Total or Median			4180	49.30	57	30.28	10.39	117,818	24	
Large Independent	COD	70.20	455	47.60		20.70	0.00	12.502	10	
ConocoPhillips	COP	70.28	457	47.68	62	29.70	0.00	13,582	10	1.14
EOG Resources, Inc.	EOG	124.32	280	45.76	73	33.26	0.00	9,317	4	0.56
Occidental Petroleum Corp.	OXY	82.69	262	47.10	58	27.10	6.10	7,104	27	3.12
Pioneer Natural Resources	PXD	182.64	124	46.36	73	33.70	0.00	4,184	0	0.08
Total or Median			1124	46.73	67	31.48	0.00	34,187	7	
Mid-Size Independent	MDO.	20.06	1.67	40.15	CO	27.20	0.00	4.521		0.20
Marathon Oil Corporation Continental Resources	MRO	20.06	167	40.15	68	27.20	0.00	4,531	4	0.20
	CLR DVN		109 208	42.03 29.28	80 56	33.80	0.00	3,670	5	0.32
Devon Energy Corporation Hess Corporation	HES	44.08	97	29.28 44.37	55	16.30 24.40	0.00	3,399 2,372	13	1.00
Cimarex Energy Company	XEC	63.46 97.39	87	30.33	67	20.30	0.00	1,760	3	0.64
Total or Median	AEC	97.39	668	40.15	67			,	4	0.04
Small Independent			000	40.13	07	24.40	0.00	15,731	4	
Whiting Petroleum Corporation	WLL	49.45	50	46.99	67	31.30	0.00	1,551	_	
Range Resources	RRC	16.30	138	18.51	51	9.50	0.00	1,331	2	0.08
California Resources	CRC	40.10	50	51.90	49	25.30	0.00	1,314		0.08
Birchcliff Energy Ltd.	BIREF	3.88	22	18.27	72	13.10	0.00	295	7	0.08
Total or Median	DIKEF	3.68	260	32.75	59	19.20	0.00	4,414	1	0.08
Income			200	32./3	39	19.20	0.00	4,414	I	
Dorchester Minerals, L.P.	DMLP	19.20	2.34	38.81	73	28.14	0.00	66	86	1.75
Sabine Royalty Trust	SBR	44.80	1.77	33.86	86	29.09	0.00	51	100	3.52
Permian Basin RT	PBT	9.03	1.77	45.09	65	29.52	0.00	36	99	0.76
San Juan Basin Royalty Trust	SJT	5.96	3.72	11.78	49	5.80	0.00	22	98	0.70
Cross Timbers Royalty Trust	CRT	14.43	0.43	40.64	63	25.56	0.00	11	82	1.52
Total or Median	CICI	17.73	9	38.81	65	28.14	0.00	186	98	1.32



			Tab							
		McD	ep Ene	ergy Sto	cks					
]	Net Pre	sent Va	lue Per	Sha	re				
		Price				Devel.	Undev/	Nat	Тор	Nei
		(US\$/sh)				Resrvs/	Devel.	Gas/	Line/	Presen
Sym	bol/Rating	17-Jul	Shares	Debt	P/E	Prod	Resrvs	Ebitda	Ebitda	Valu
		2018	(mm)	(\$mm)	NTM	NTM	(%)	(%)	(%)	(US\$/sh
Integrated										
Chevron Corporation	CVX	121.91	1,913	62,659	17	7.1	57	25		150.00
Royal Dutch Shell	RDS-B	71.84	4,189	116,710	12	7.2	22	32		100.00
Exxon Mobil Corporation	XOM	82.31	4,270	90,941	14	9.6	52	29		90.00
Suncor Energy	SU	40.91	1,644	18,969	12	8.5	87			50.00
Median						7.9	55			
Large Independent										
Pioneer Natural Resources	PXD	182.64	171	2,600	21	7.3	9	6		200.00
EOG Resources, Inc.	EOG	124.32	598	7,071	21	4.9	43	10		130.00
ConocoPhillips	COP	70.28	1,186	23,143	16	7.7	31	25		80.00
Occidental Petroleum Corp.	OXY	82.69	767	13,700	18	7.4	35	4		75.00
Median						7.3	33			
Mid-Size Independent										
Cimarex Energy Company	XEC	97.39	96	1,498	11	4.8	35	18		140.00
Continental Resources	CLR	60.72	374	6,333	22	5.6	121	17		70.00
Devon Energy Corporation	DVN	44.08	528	5,000	20	8.3	24	14		60.00
Hess Corporation	HES	63.46	310	8,399		7.4	59	12		55.00
Marathon Oil Corporation	MRO	20.06	852	6,734	12	5.4	60	10		40.00
Median						5.6	59			
Small Independent										
Whiting Petroleum Corporation	WLL	49.45	91	3,367	36	6.8	84	3		100.00
California Resources	CRC	40.10	46	6,300		8.9	41	8		100.00
Range Resources	RRC	16.30	247	4,657	19	10.0	83	55		40.00
Birchcliff Energy Ltd.	BIREF	3.88	268	617	19	7.2	228	50		9.00
Median						8.0	83			
Income										
Sabine Royalty Trust	SBR	44.80	15	_	13	10.1	3	37	100	50.00
Cross Timbers Royalty Trust	CRT	14.43	6	_	10	11.6	_	69	82	25.00
Dorchester Minerals, L.P.	DMLP	19.20	32	_	14	6.9	_	21	76	24.00
Permian Basin RT	PBT	9.03	47	_	12	6.7	_	21	42	10.00
San Juan Basin Royalty Trust	SJT	5.96	47	-	13	11.2	-	100	-	8.00
Median			.,			10.1				2.30



		Tab	le 4						
	Mo	Dep Ene	ergy Sto	cks					
		eturn Ye			8				
	Ranked b								
		Price	Price			Equity	U	nlevered	
		(\$/sh)	(\$/sh)	Price	Cash	Total		Total	
	Symbol/Rati	17-Jul	29-Dec		Distrib.	Return	Debt	Return	McDe _l
		2018	2017	(%)	(%)	(%)	(\$/sh)	(%)	Ratio
Integrated	OT I	40.01	26.72	1.1		10	10	10	0.05
Suncor Energy	SU	40.91	36.72	11	2	13	12	10	0.85
Royal Dutch Shell	RDS-B	71.84	68.29	5	3	8	28	6	0.78
Exxon Mobil Corporation	XOM	82.31	83.64	(2)	2	0	21	0	0.93
Chevron Corporation	CVX	121.91	125.19	(3)	2	(1)	33	(1)	0.85
Median				2		4		3	0.85
Large Independent	COP	70.28	54.00	20	1	20	20	21	0.90
ConocoPhillips		70.28	54.89	28	1	29	20	21	
EOG Resources, Inc. Occidental Petroleum Corp.	EOG OXY	124.32 82.69	107.91 73.66	15	0 2	16 14	12 18	14 12	0.96 1.08
•					0				
Pioneer Natural Resources	PXD	182.64	172.85	6	U	6 15	15	5 13	0.92
Median Mid-Size Independent				14		13		13	0.94
Hess Corporation	HES	63.46	47.47	34	1	35	27	22	1.10
Marathon Oil Corporation	MRO	20.06	16.93	18	1	19	8	13	0.58
Continental Resources	CLR	60.72	52.97	15	-	15	17	11	0.38
Devon Energy Corporation	DVN	44.08	41.40	6	0	7	9	6	0.89
Cimarex Energy Company	XEC	97.39	122.01	(20)	0	(20)	16	(18)	0.77
Median	ALC	91.39	122.01	15	U	15	10	11	0.73
Small Independent				13		13		11	0.77
Whiting Petroleum Corporation	WLL	49.45	26.48	87	_	87	37	36	0.63
California Resources	CRC	40.10	19.44	106	_	106	137	13	0.75
Birchcliff Energy Ltd.	BIREF	3.88	3.50	11	1	12	2	7	0.75
Range Resources	RRC	16.30	17.06	(4)	0	(4)	19	(2)	0.60
Median	rute	10.50	17.00	49		49	17	10	0.61
Income				- 12		.,		10	0.01
Dorchester Minerals, L.P.	DMLP	19.20	15.20	26	5	32	_	32	0.80
Permian Basin RT	PBT	9.03	8.87	2	4	6	-	6	0.90
Sabine Royalty Trust	SBR	44.80	44.60	0	3	4	_	4	0.90
Cross Timbers Royalty Trust	CRT	14.43	14.69	(2)	4	3	_	3	0.58
San Juan Basin Royalty Trust	SJT	5.96	8.24	(28)	3	(25)	_	(25)	0.75
Median	501	0.50	0.2.	0		4		4	0.80
Grand Median				9		10		7	0.82
Natural Gas (\$/mmbtu)		2.74	2.95	(7)					
Oil -West Texas Intermediate (\$/bbl)		68.03	60.09	13					
Total Stock Market - U.S.	VTI	145.11	137.25	6	1	7			
Developed Markets - ex US	VEA	43.31	44.86	(3)	2	(2)			
Emerging Markets	VWO	42.89	45.91	(7)	1	(6)			
Total Stock Market - World	VT	74.98	74.26	1	1	2			



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Research Methodology/Ratings Description: McDep LLC is an independent research originator focused on oil and gas stocks exclusively. The firm applies the forty years of experience of its analyst to estimate a present value of the oil and gas resources and other businesses of covered companies. That value is compared with a company's stock market capitalization and debt. Stocks with low market cap and debt relative to present value tend to outperform stocks with high market cap and debt relative to present value.