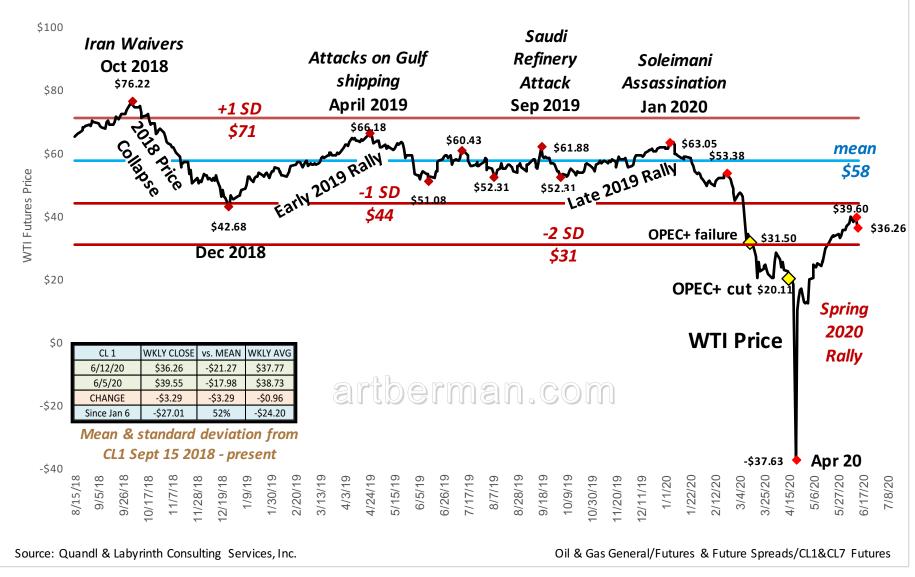


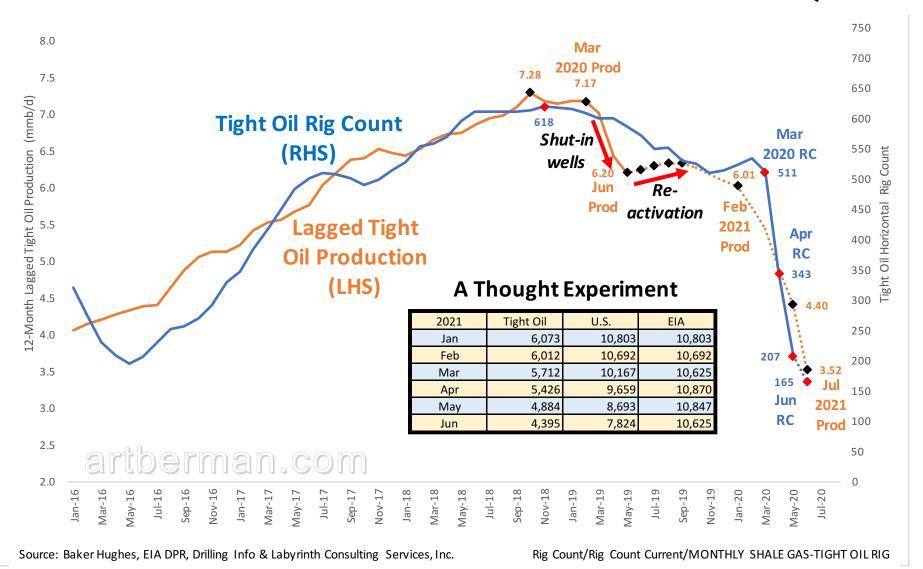
MacroVoices June 15, 2020



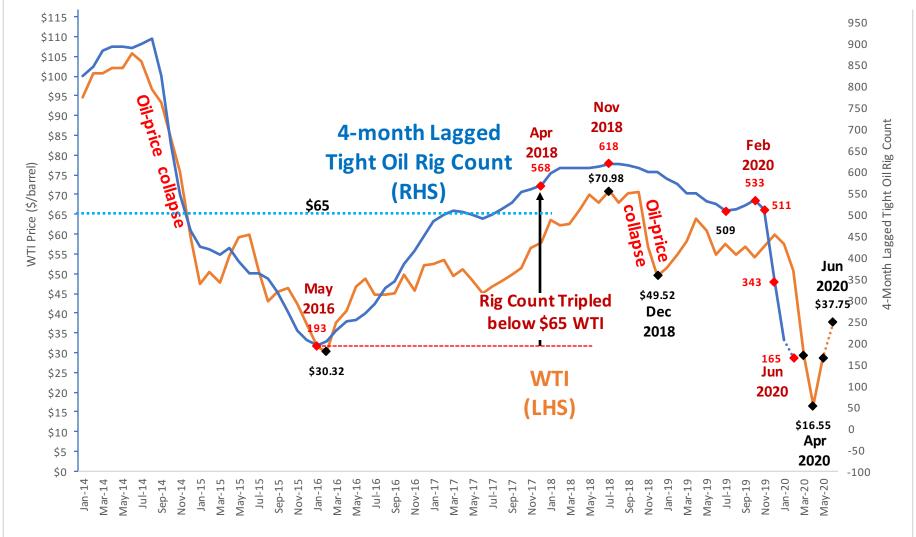
OPEC+ production cut was a great achievement Spring 2020 rally peaked at lowest oil price in 51 months



500 tight oil rigs to maintain 6 mmb/d tight oil/11 mmb/d total U.S. output May tight rig count was 216 so decline to U.S. 9 mmb/d by Q2 2021 is unavoidable Production should increase this summer with shut-in re-activation then fall in Q4 2020

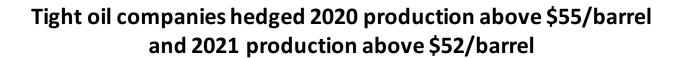


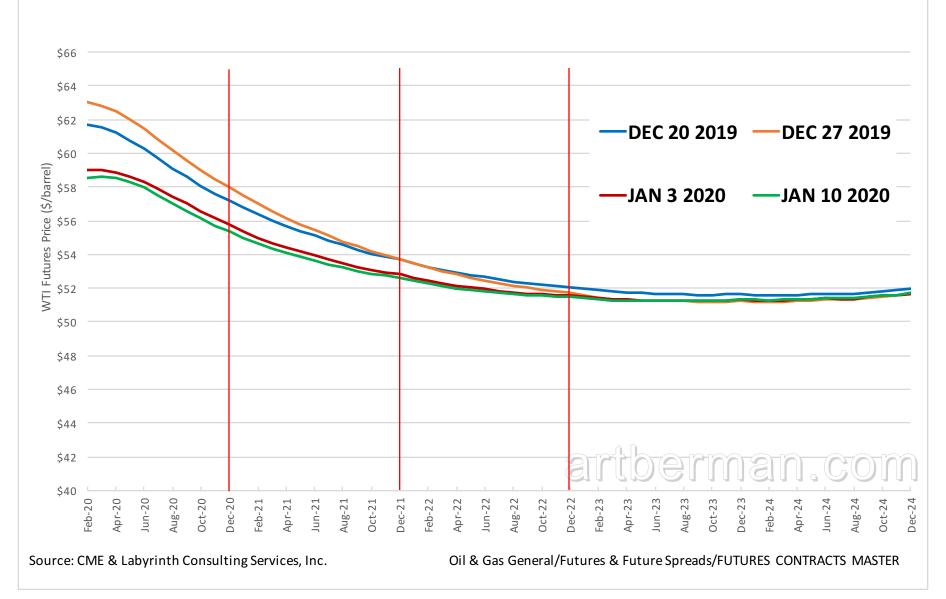


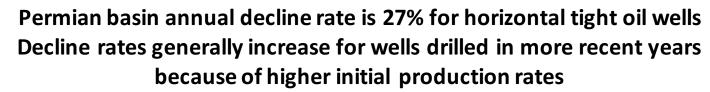


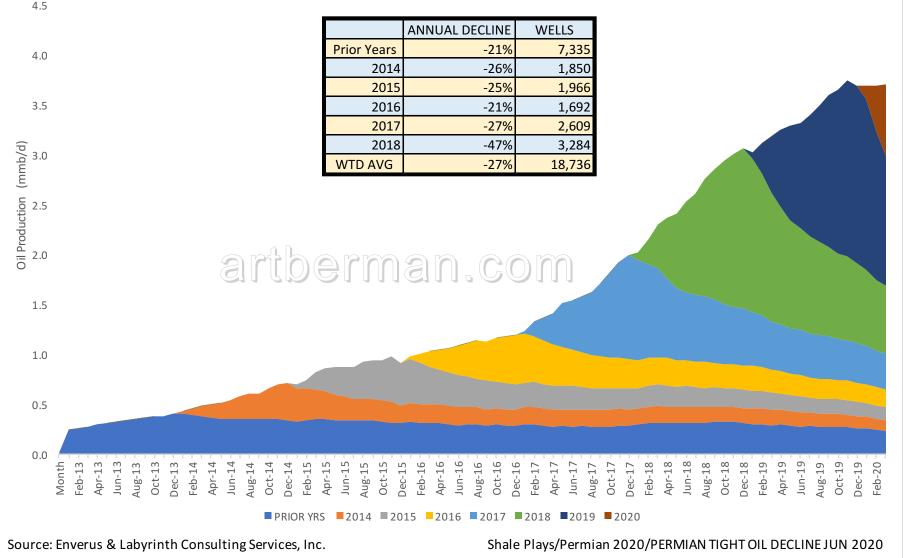
Source: Baker Hughes, EIA DPR, Drilling Info & Labyrinth Consulting Services, Inc.

Rig Count Current/MONTHLY SHALE GAS-TIGHT OIL RIG COUNT

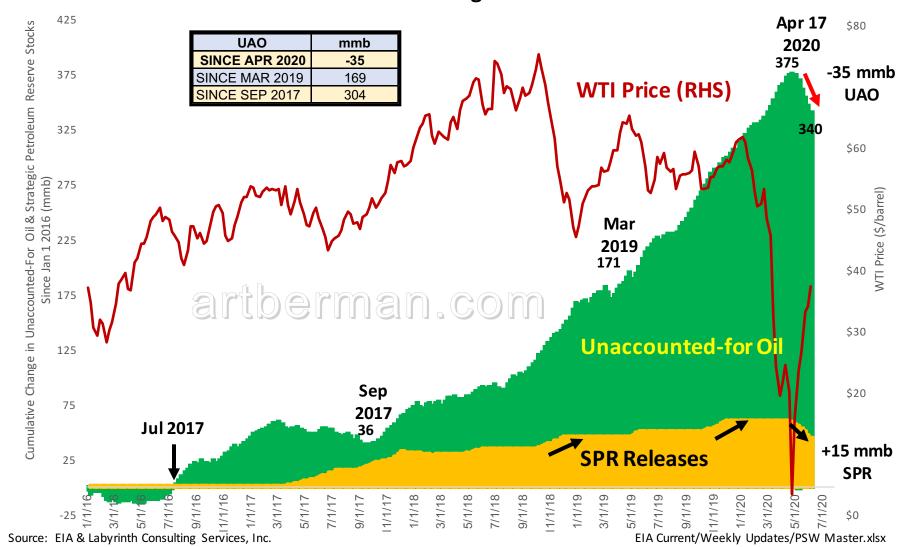




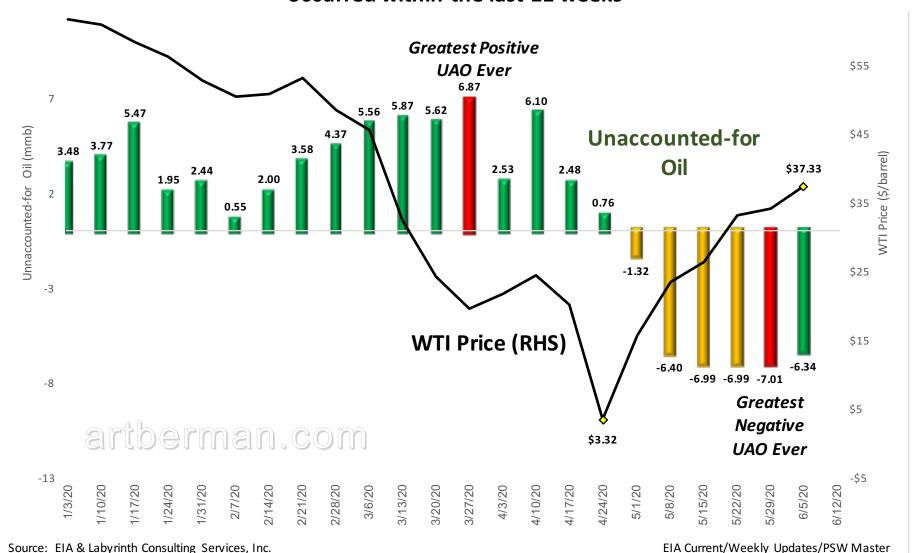






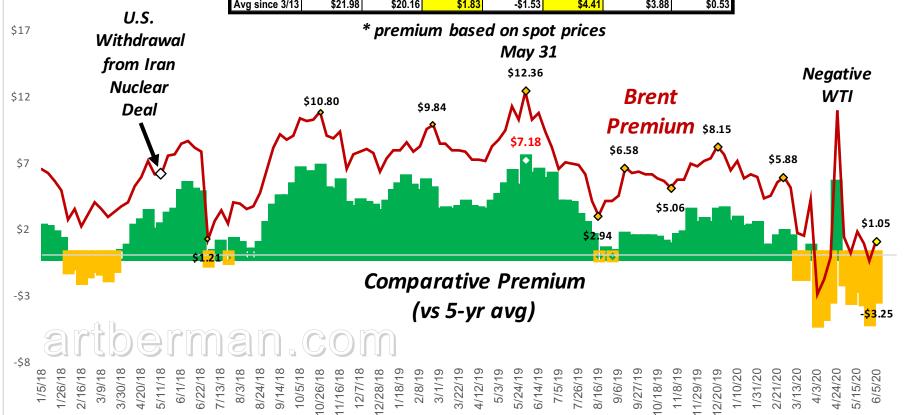


U.S. unaccounted-for oil volumes have been negative for the last 6 weeks Greatest positive and negative WTI unnacounted-for oil volumes occurred within the last 11 weeks



U.S. crude oil exports sub-commercial at current Brent-WTI differential price Brent-WTI premium moved to +\$1.05 week ending June 5 U.S. crude exports require~\$1.41 Brent-WTI premium to break even

	Brent	WTI	Premium	Premium vs 5-Yr Ava	WTI export break-even	HCL-WTI Premium	HOU-ROT Shipping
6/5/20	\$38.37			J		\$1.05	<u> </u>
5/29/20	\$33.70	\$34.19	-\$0.49	-\$5.02	\$1.40	\$1.04	\$0.36
Change	\$4.67	\$3.13	\$1.54	\$1.76	\$0.01	\$0.01	\$0.00
Avg since 3/13	\$21.98	\$20.16	\$1.83	-\$1.53	\$4.41	\$3.88	\$0.53

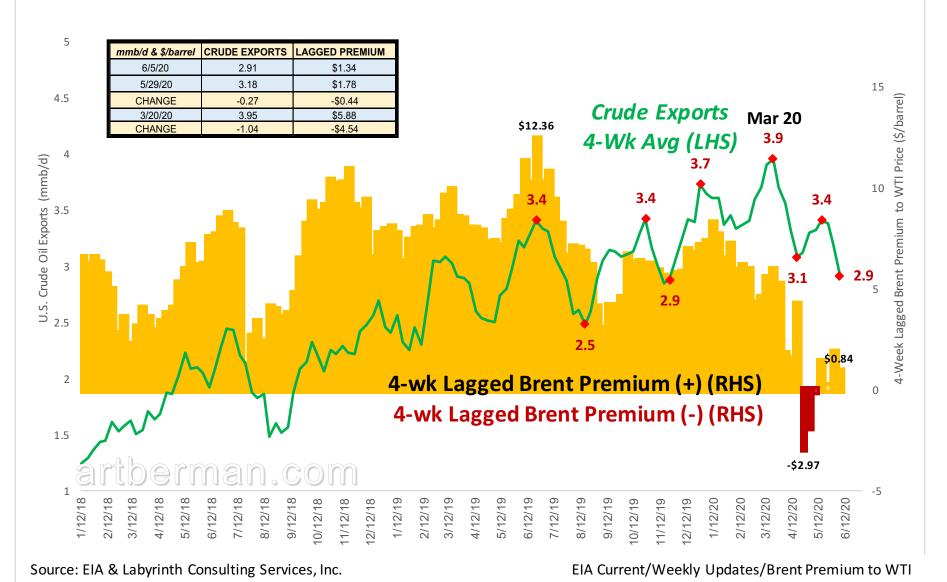


Source: EIA & Labyrinth Consulting Services, Inc.

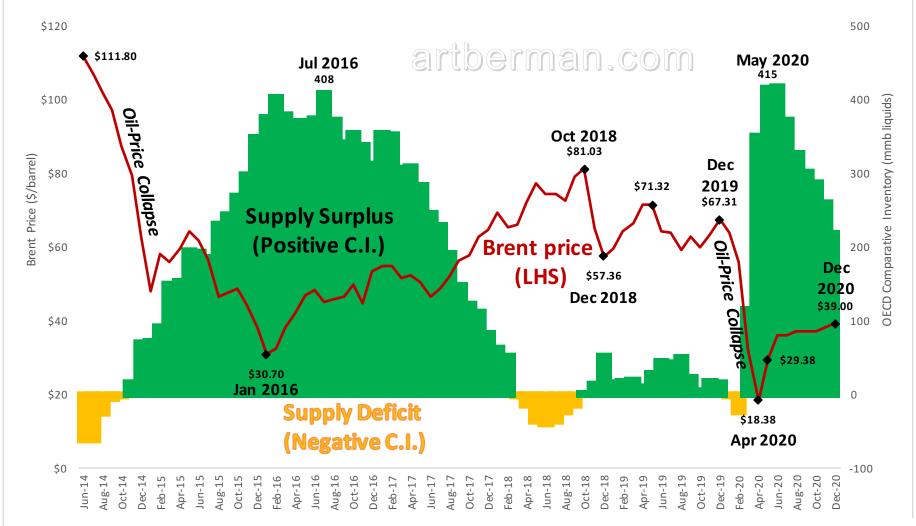
EIA Current/Weekly Updates/Brent Premium to WTI

\$22

U.S. crude exports have decreased 1 mmb/d since March 20 Brent premium to WTI has decreased making exports sub-commercial

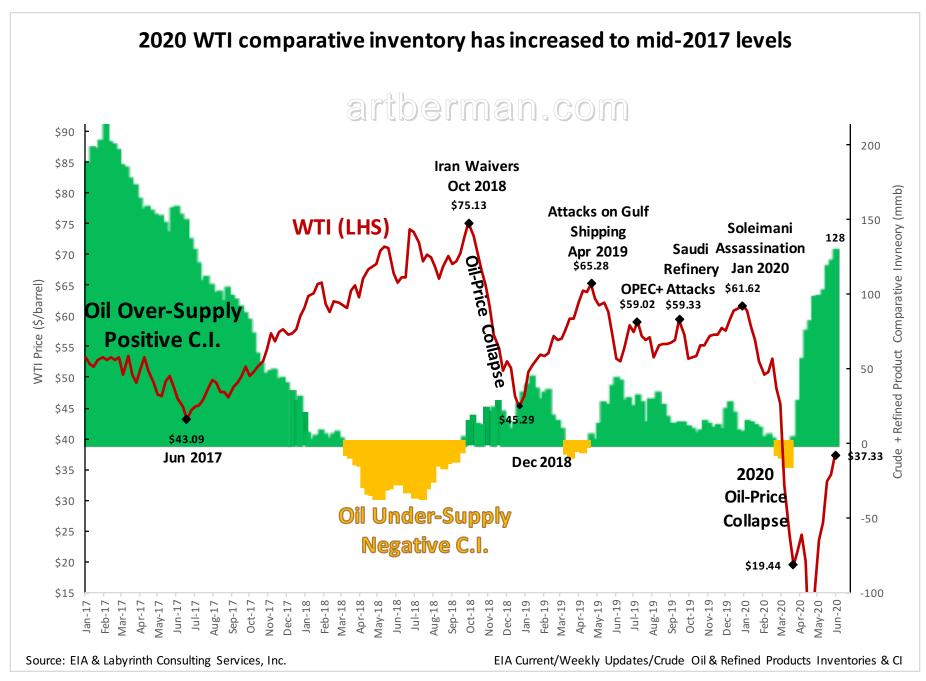


How bad is it? OECD May comparative inventory at record high 415 mmb more than 5-year average Brent spot monthly average expected to reach only \$39 by December 2020

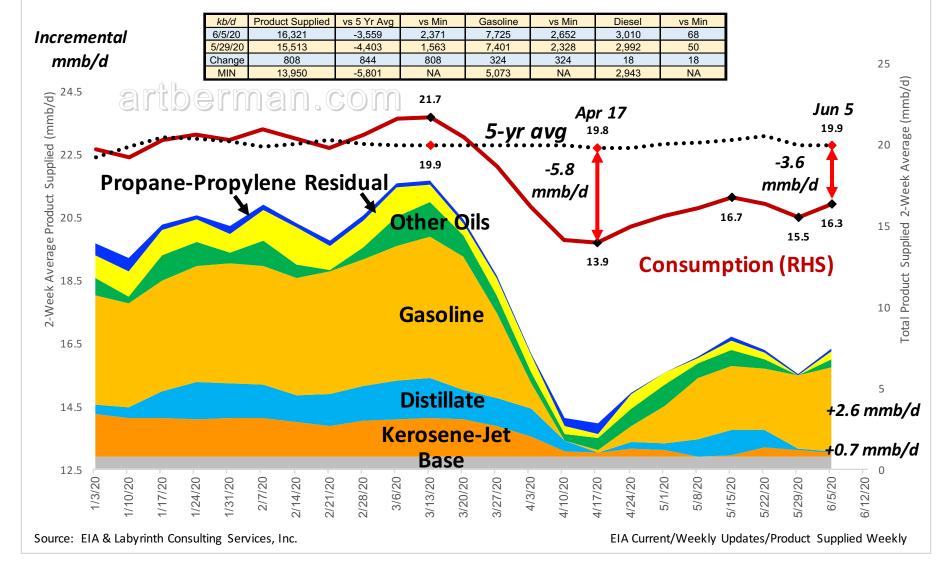


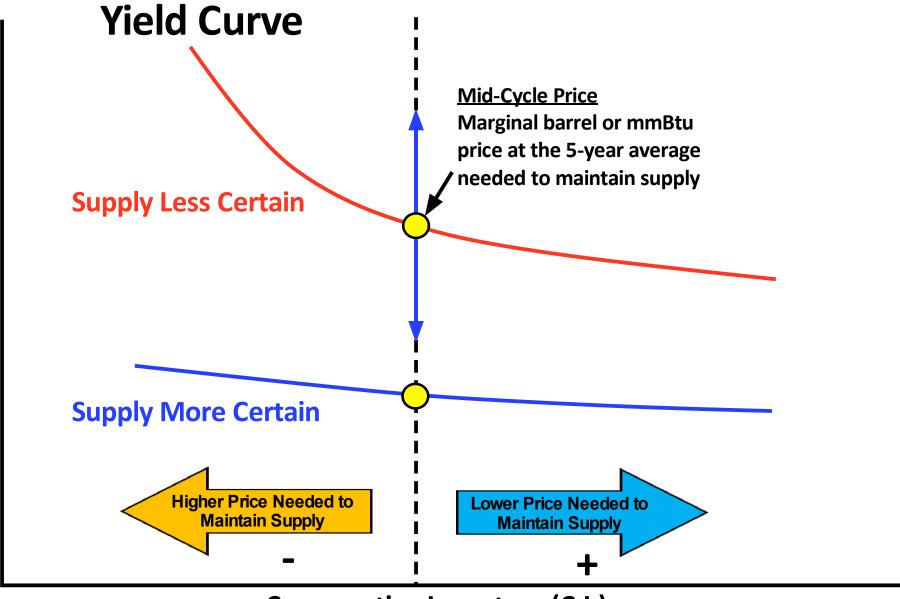
Source: EIA STEO & Labyrinth Consulting Services, Inc.

EIA Current/STEO/STEO Master.xlxs



U.S. oil consumption rose +808 kb/d week ending June 5
It increased to within 3.6 mmb/d (-18%) of 5-year average of 19.9 mmb/d for this week
Gasoline use increased +324 kb/d but diesel only increased +18 kb/d from last week

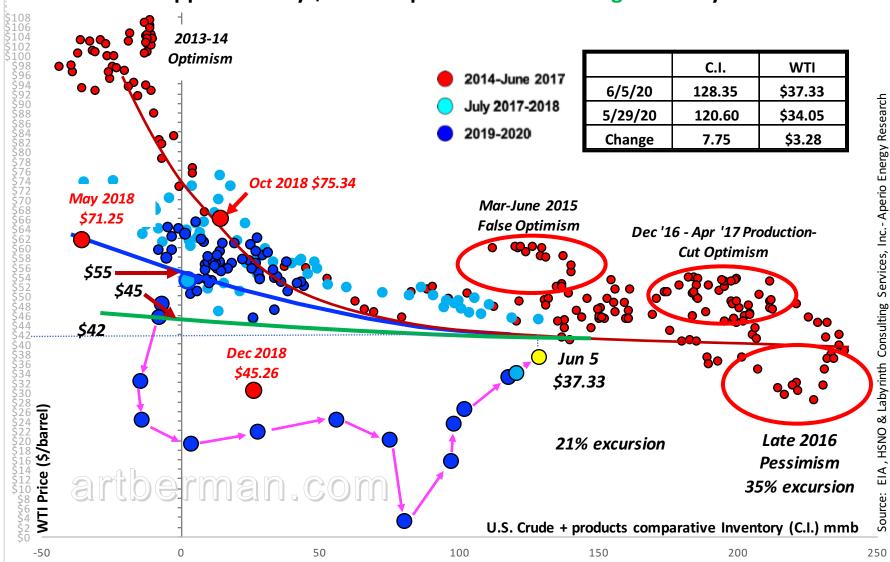




Comparative Inventory (C.I.)

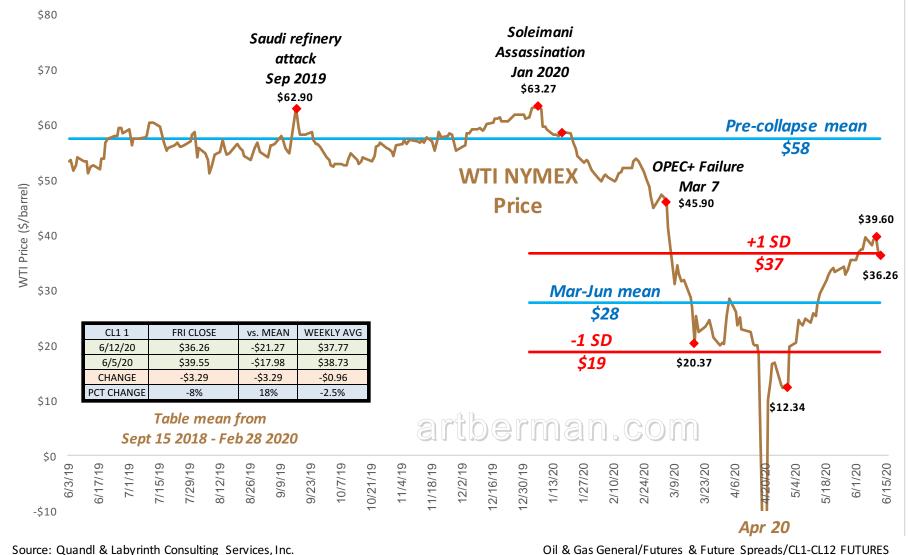
Source: Aperio Energy Research & Labyrinth Consulting Services, Inc.

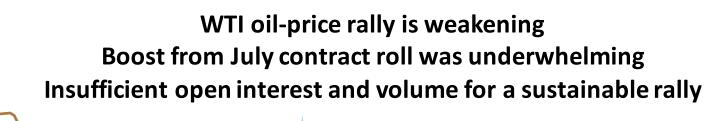
Comparative inventory increased +7.75 mmb week ending June 5 and is now +128 mmb more than the 5-year average WTI is approximately \$5 under-priced based on the green C.I. yield curve

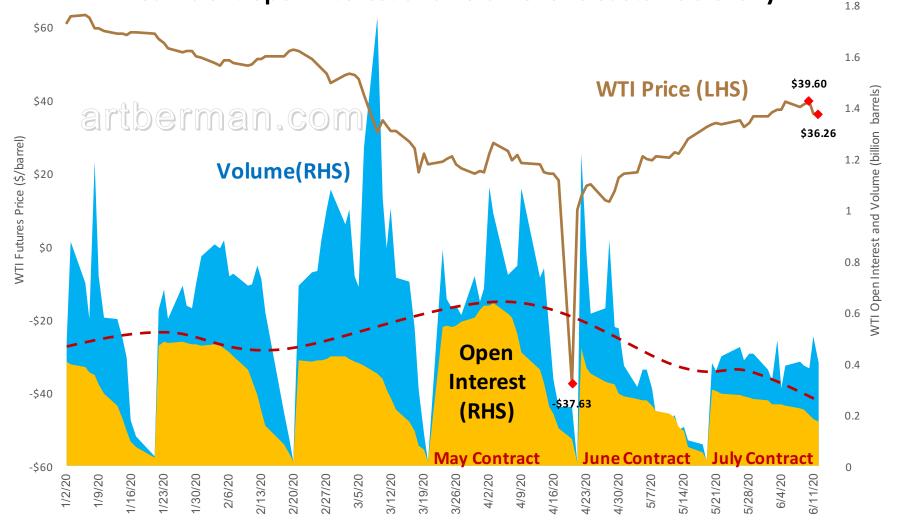


EIA Current/Weekly Updates/Crude Oil & Refined Products Inventories &

WTI price rally may have ended and price will probably stabilize in low-to-mid \$30 range Price-discovery excursions between \$25 and below \$40 are likely in coming weeks based on news-cycle sentiment



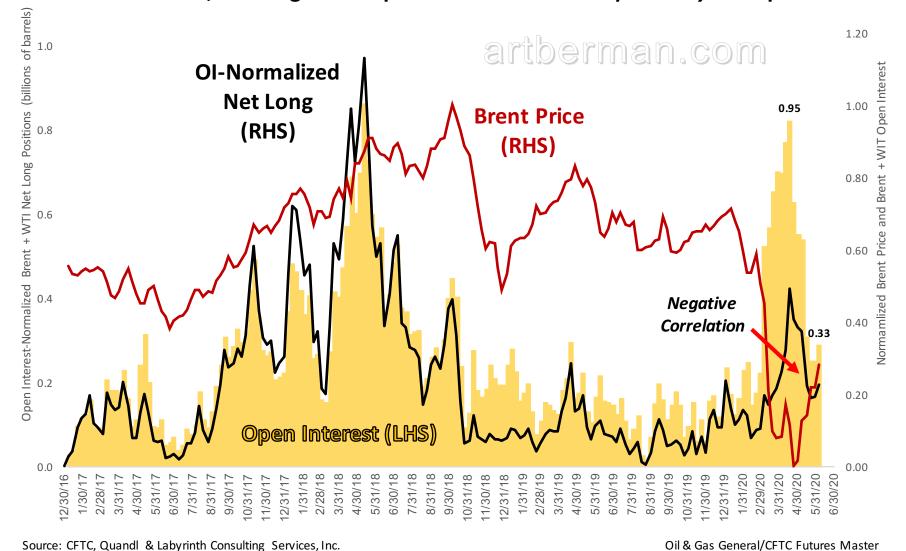




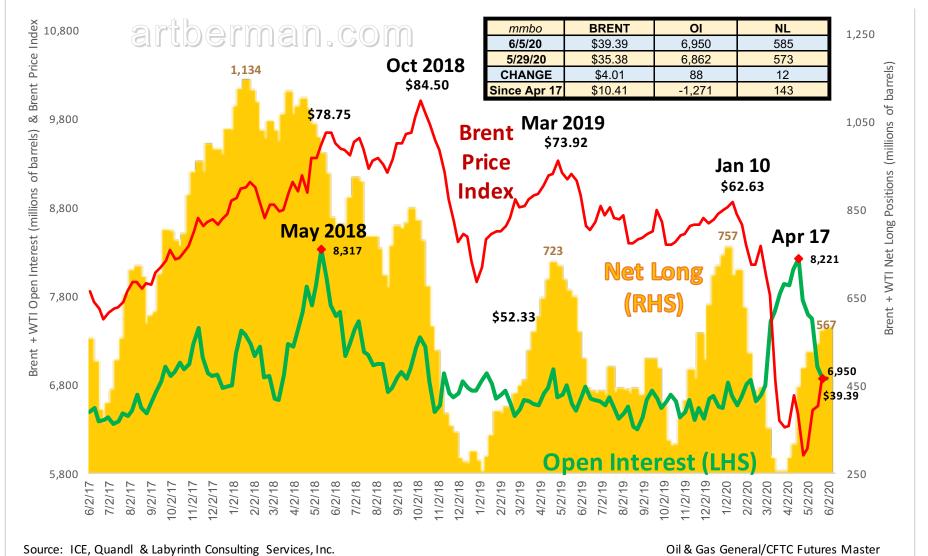
Oil & Gas General/Futures & Future Spreads/CL1&CL7 Futures

Source: Quandl & Labyrinth Consulting Services, Inc.

Oil futures markets are short on price in 2020 Net length and open interest correlate *negatively* with price in 2020 Before 2020, net length and open interest correlated *positively* with price

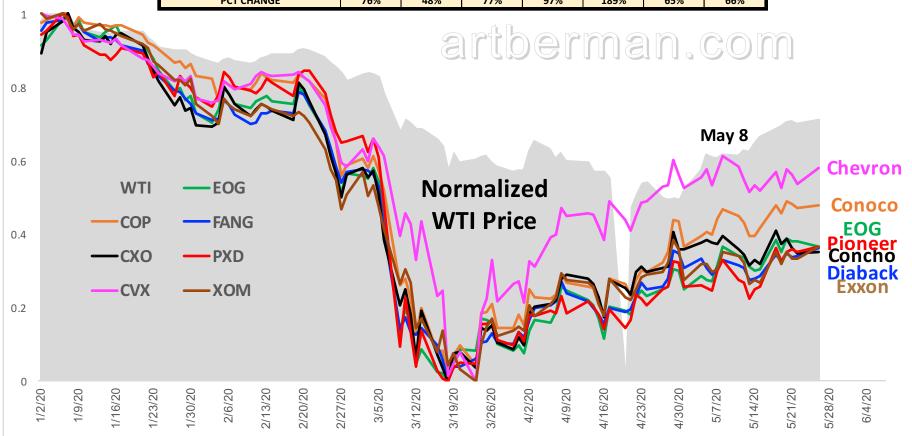


Brent + WTI price & net long positions are higher but open interest is lower Brent + WTI open interest has fallen -1.3 bb (-15%) since April 17 but price is +\$10.41 (+36%) higher & net long positions have increased +143 mmb (+32%)



Average share price of sampled E&Ps increased 88% March-May Price growth peaked in early May & has been relatively flat since then Chevron & Conoco out-perform peers but all under-perform WTI

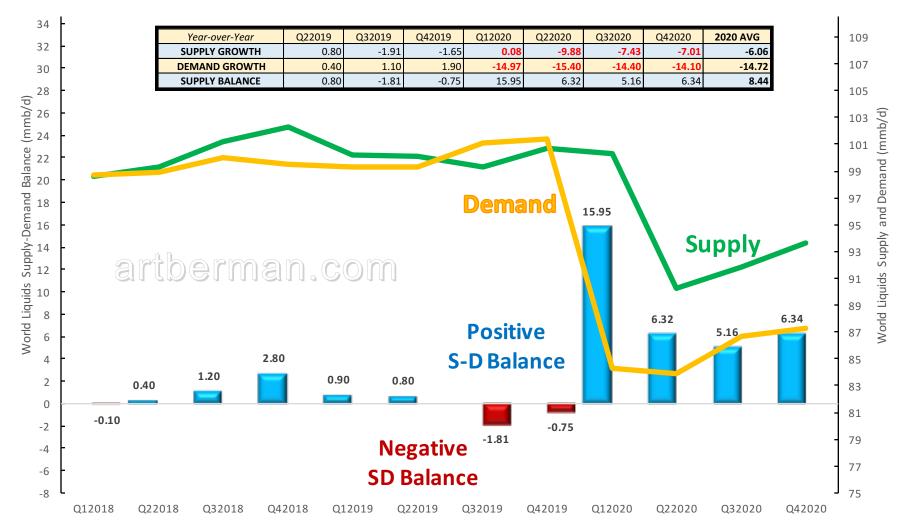
	CVX	XOM	EOG	СОР	FANG	СХО	PXD
MID MAR-MAY 2020 MIN	\$54.22	\$31.45	\$29.76	\$22.67	\$15.56	\$36.00	\$56.77
MID MAR-MAY 2020 MAX	\$95.47	\$46.56	\$52.73	\$44.67	\$44.90	\$59.27	\$94.19
PCT CHANGE	76%	48%	77%	97%	189%	65%	66%



Source: Yahoo Finance, Quandl & Labyrinth Consulting Services, Inc.

Oil & Gas Supply/Sampled E&Ps/Sampled E&Ps MASTER.xlsx

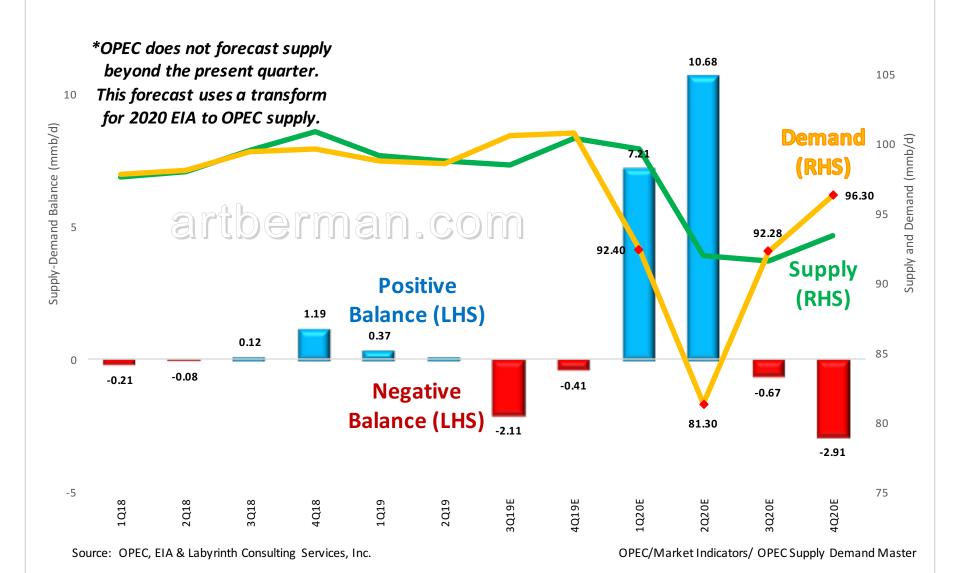
2020 global demand may average 15 mmb/d lower than in 2019 Supply-demand balance will follow L-shaped trajectory as markets remain over-supplied and global economy remains depressed through 2020



EIA International/EIA Supply & Demand Master

Source: OPEC, IEA, EIA, Vitol, Trafigura, Goldman Sachs & Labyrinth Consulting Services

OPEC expects -9.1 mmb/d demand growth in 2020 OPEC-EIA* forecast anticipates +3.6 supply-demand surplus in 2020



EIA expects implausible +14.2 mmb/d (+17%) recovery in world oil consumption from 81.5 mmb/d in Q2 to 95.7 mmb/d in Q3 Consumption fell -12.7 (-13%) mmb/d in Q2 and -19.8 (-20%) mmb/d in IH 2020

