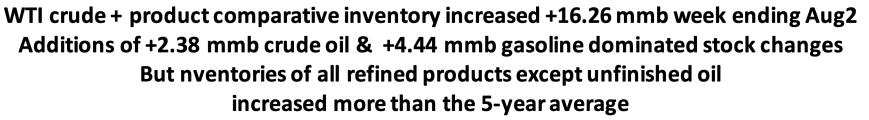


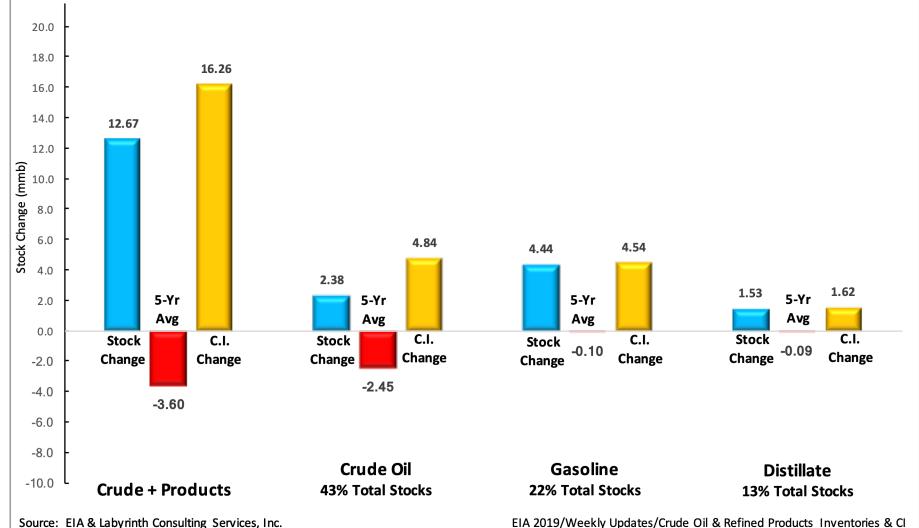
MacroVoices August 7, 2019

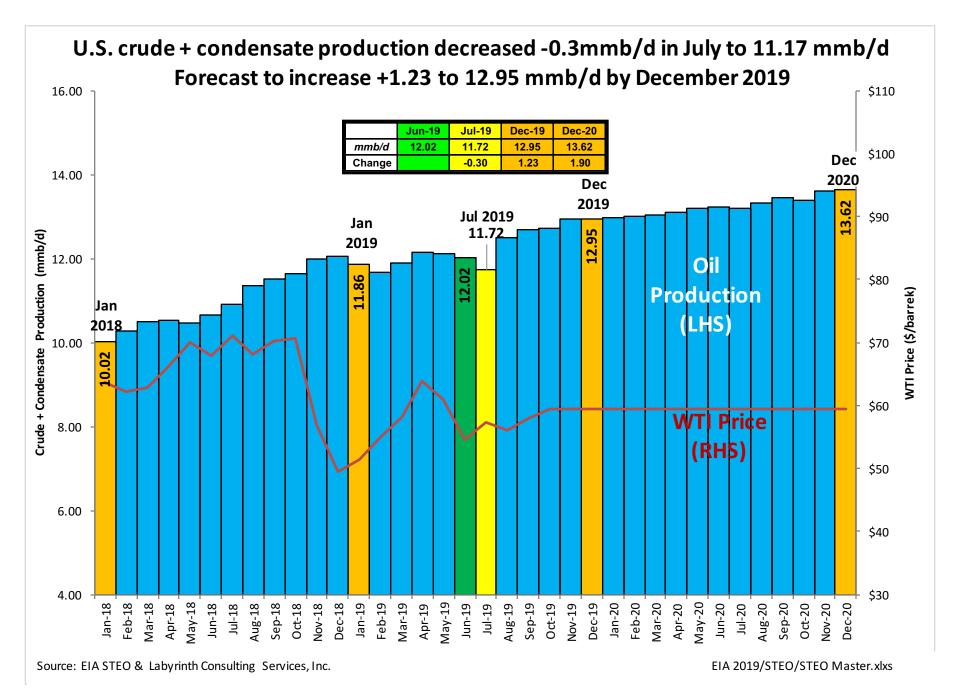
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EIA STEO Summary

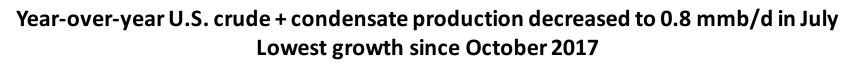
- U.S. production decreased for the 4th month in-a-row.
- U.S. year-over-year growth fell to lowest level since October 2017.
- World production decreased but remains above the 2019 year-to-date average.
- Norway, Canada, Brazil & Iraq led countries that increased production in July 2019.
- Saudi Arabia, China, Iran, UAE & Venezuela led countries that decreased production.
- U.S., UAE, Iraq Libya, China & Russia have increased production in 2019.
- Iran, Venezuela, Saudi Arabia, Brazil & Mexico have decreased production.
- World liquids supply expected to be in approximate balance in 2019.
- 3Q in slight deficit and 4Q in slight surplus with Brent flat at about \$65/barrel.
- OECD minus U.S. comparative inventory is more negative now than in Sept 2018 but Brent price is -\$14.85 (19%) lower.
- This is a measure of how much markets have devalued oil price in the last year.

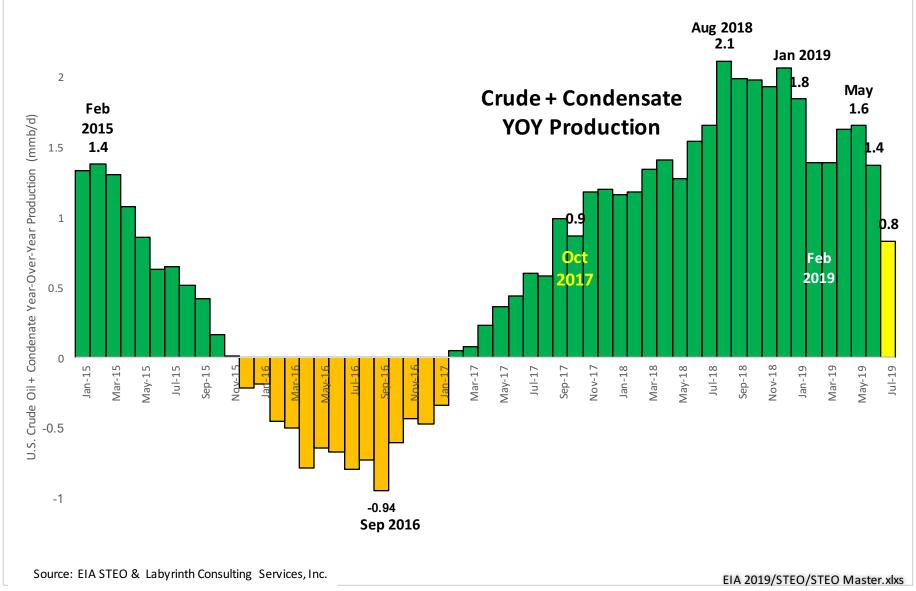


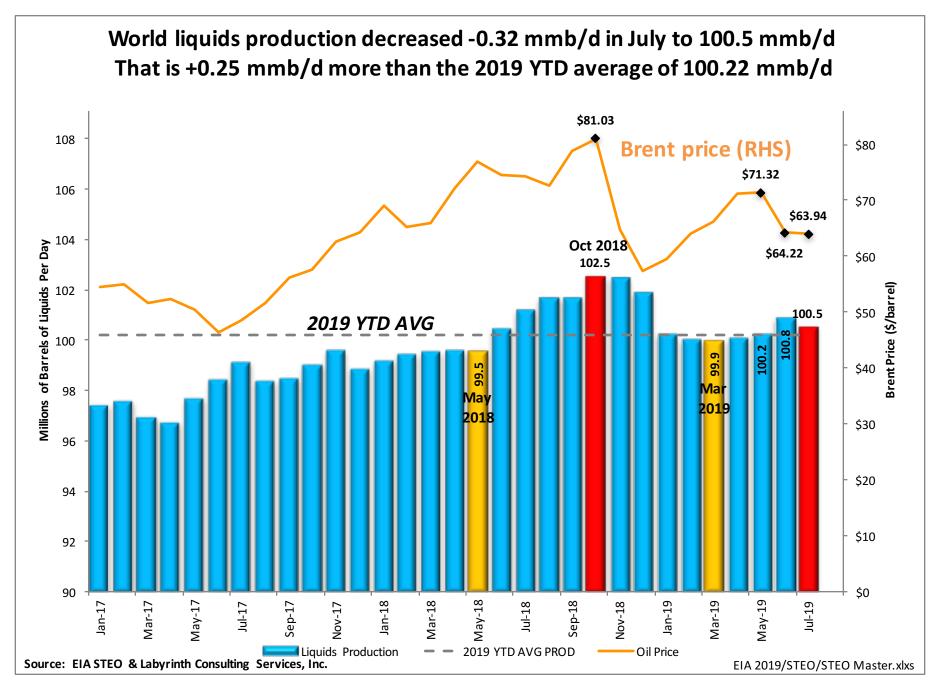




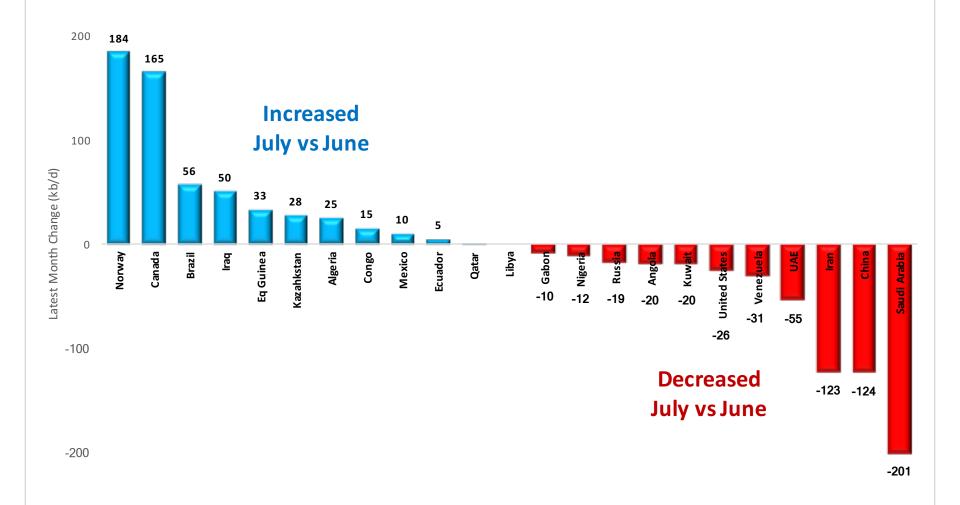
EIA 914 Data mmb/d	JAN	FEB	MAR	APR	MAY	Difference
Permian Tight Oil	3,096	3,118	3,250	3,261	3,296	35
Gulf of Mexico	1,909	1,717	1,906	1,982	1,904	-78
TX-NM CONV	1,368	1,490	1,337	1,421	1,425	4
Bakken	1,347	1,283	1,340	1,336	1,347	11
Eagle Ford	1,175	1,131	1,140	1,141	1,151	10
Oklahoma	578	569	583	615	603	-12
Alaska	496	488	481	475	475	0
California	457	456	452	451	454	3
CO-WY CONV	431	429	458	447	451	4
Other	359	352	358	371	373	2
Niobrara	329	319	274	312	322	10
Louisiana	119	122	122	121	121	0
Utah	101	103	103	106	106	0
Kansas	91	92	92	95	91	-4
Total	11,856	11,669	12,134	12,134	12,119	-15
Conventional	3,641	3,749	3,628	3,731	3,726	-5







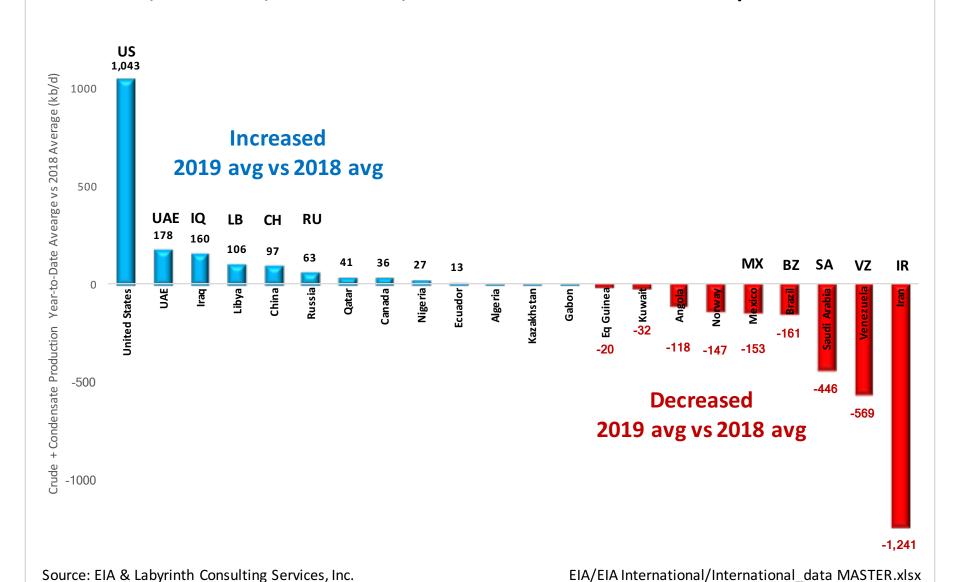
Norway, Canada, Brazil & Iraq led countures that increased production in July 2019 Saudi Arabia, China, Iran, UAE & Venezuela led countries that decreased production



Source: EIA & Labyrinth Consulting Services, Inc.

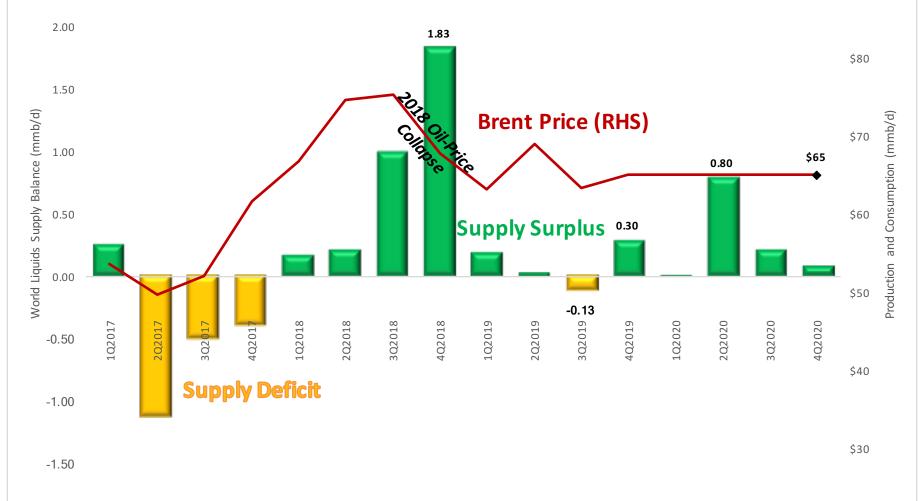
EIA/EIA International/International_data MASTER.xlsx

U.S., UAE, Iraq Libya, China & Russia have increased production in 2019 Iran, Venezuela, Saudi Arabia, Brazil & Mexico have decreased production



Labyrinth Consulting Services, Inc.

World liquids supply expected to be in approximate balance in 2019 3Q in slight deficit and 4Q in slight surplus with Brent flat at about \$65/barrel

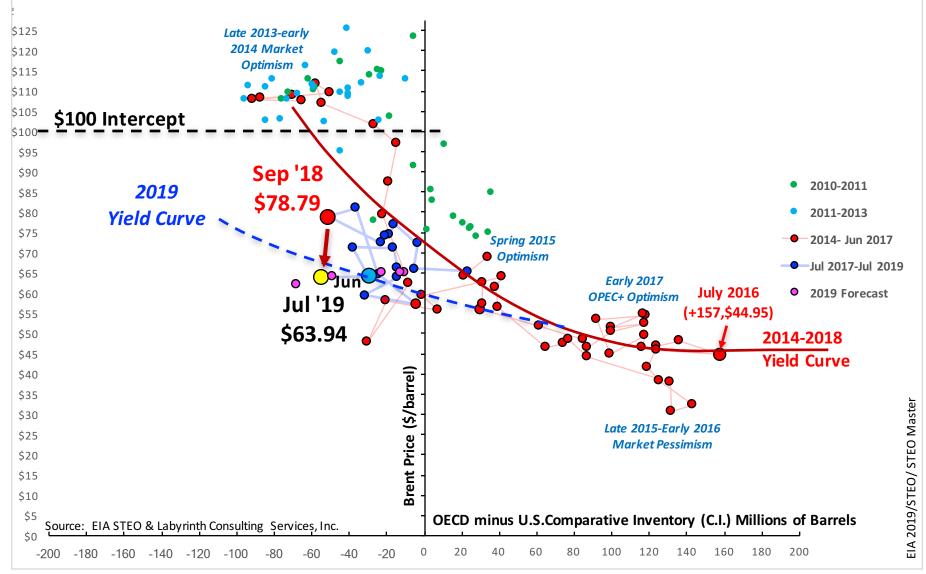


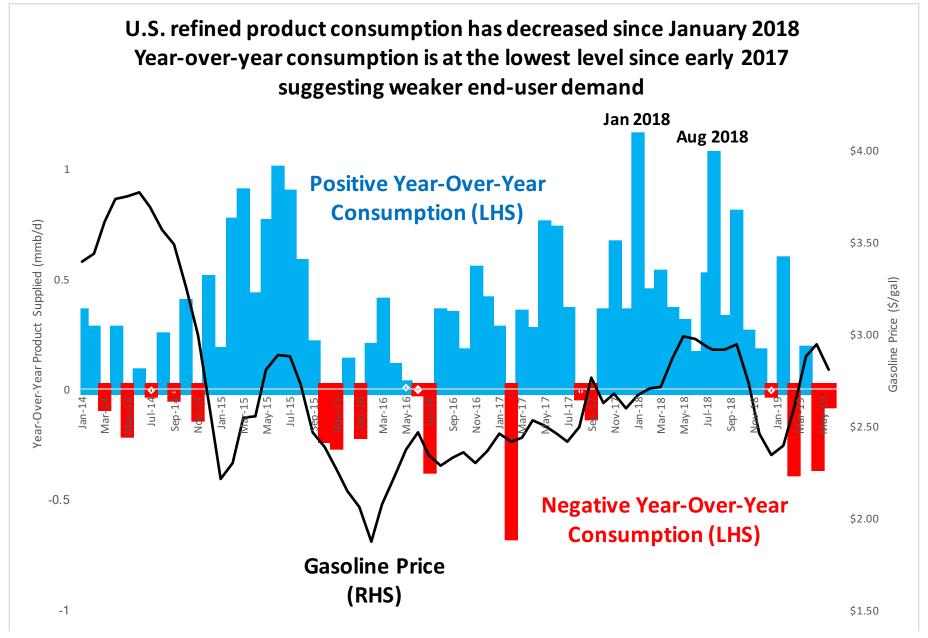
Source: EIA STEO & Labyrinth Consulting Services, Inc.

EIA 2019/STEO/STEO Master.xlxs

OECD minus U.S. comparative inventory is more negative now than in Sept 2018 but Brent price is -\$14.85 (19%) lower

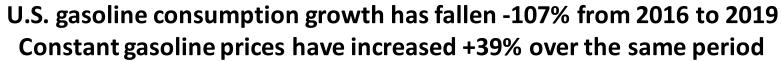
This is a measure of how much markets have devalued oil price in the last year

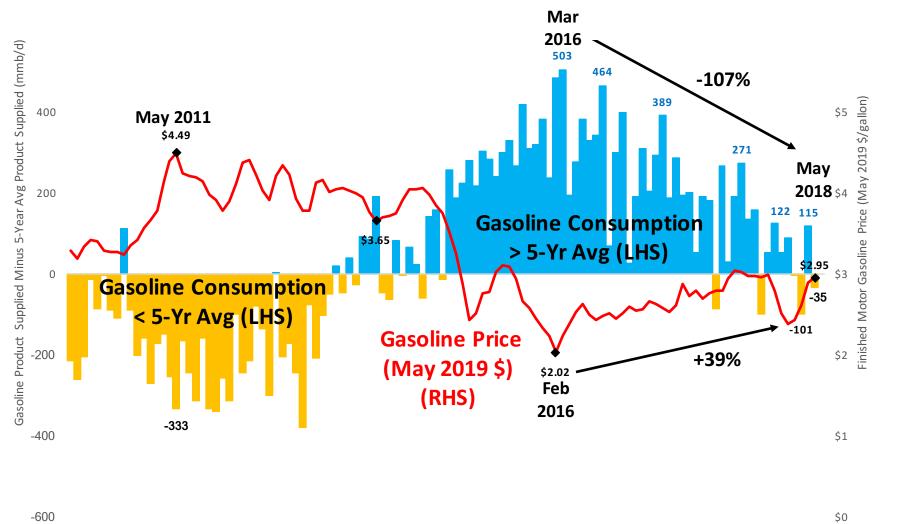




Source: EIA & Labyrinth Consulting Services, Inc.

EIA 2019/Monthly Updates/U.S. Product Supplied Master





Source: EIA & Labyrinth Consulting Services, Inc.

EIA 2019/Monthly Updates/U.S. Product Supplied Master

U.S. vehicle miles traveled (VMT) & gasoline consumption fell from 2016 through 2018 VMT growth has reversed since November 2018 & gasoline consumption is increasing

