

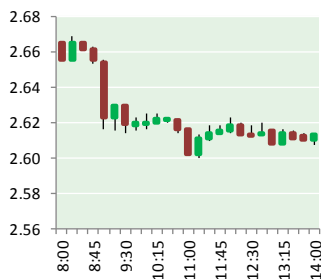
# NATURAL GAS



NEWS

MAY 15, 2019

## Prior Day's NYMEX JUN-19 Contract (CT)



## NYMEX NG Futures

Month	Close	Change
Jun-19	2.601	(0.058)
Jul-19	2.634	(0.055)
Aug-19	2.651	(0.054)
Sep-19	2.646	(0.053)
Oct-19	2.677	(0.052)
Nov-19	2.749	(0.050)
Dec-19	2.917	(0.046)
Jan-20	3.006	(0.043)
Feb-20	2.967	(0.037)
Mar-20	2.847	(0.028)
Apr-20	2.599	(0.014)
May-20	2.564	(0.014)
Jun-20	2.597	(0.012)
Jul-20	2.632	(0.010)
Aug-20	2.641	(0.008)
Sep-20	2.626	(0.006)
Oct-20	2.648	(0.005)
Nov-20	2.699	(0.005)
Dec-20	2.854	(0.004)
Jan-21	2.949	(0.004)
Feb-21	2.912	(0.002)
Mar-21	2.784	0.000
Apr-21	2.517	0.000
May-21	2.487	0.003
1YR Strip	2.738	(0.042)
2019	2.696	(0.053)
5YR Strip	2.704	(0.009)

## IN THE NEWS

**NYDEC nixes natural gas pipeline despite union, business support**—New York Post reported: The New York Department of Environmental Conservation on Wednesday struck down a proposed pipeline project that would have delivered natural gas reserves from Pennsylvania to New York. The proposed plan, called the Northeast Supply Enhancement, was touted by unions who

- NYDEC nixes natural gas pipeline despite union, business support
- North Dakota posts strong month for oil production, hits record for natural gas

would have worked on its construction and the New York Business Council, but criticized by environmental groups. The DEC cited environmental concerns in their decision to nix the project, which included a pipe that would run from New Jersey to the Rockaways. For more on this story visit [nypost.com](https://nyp.st/2w1czSj) or click <https://nyp.st/2w1czSj>

**North Dakota posts strong month for oil production, hits record for natural gas**—StarTribune reported: North Dakota posted a solid March for oil production, while hitting a new record for natural gas output, state data released Wednesday show. But surging production over the past year continues to leave North Dakota well short of its goals to reduce the flaring of natural gas. Gas that can't be captured is burned off, a waste of resources and an environmental issue. North Dakota, the nation's second-largest oil producer after Texas, pumped out 1.39 million barrels of oil per day in March, up 4% over the previous month, according to the North Dakota Department of Mineral Resources. The state's record monthly output was 1.4 million barrels per day in January. But surging production over the past year continues to leave North Dakota well short of its goals to reduce the flaring of natural gas. Gas that can't be captured is burned off, a waste of resources and an environmental issue. North Dakota, the nation's second-largest oil producer after Texas, pumped out 1.39 million barrels of oil per day in March, up 4% over the previous month, according to the North Dakota Department of Mineral Resources. The state's record monthly output was 1.4 million barrels per day in January. For more on this story visit [strib.mn/2WaS0RK](http://strib.mn/2WaS0RK)

## 12 MONTH CANDLESTICK (WEEKLY)



## Prompt Natural Gas (NG) Daily Sentiment

BEARISH



RESISTANCE

2.65 & 2.70

SUPPORT

2.57 & 2.55

## Trading Summary

### NATURAL GAS

Futures	Close	Change
NG	2.601	(0.058)
Volume	270,406	47,556
Open Int.	1,314,279	3,249

### CRUDE AND GASOLINE

Futures	Close	Change
Crude	62.02	0.24
RBOB	2.0127	0.0360
Crude/NG	23.84	0.61

### METALS

Futures	Close	Change
Gold	1,296.30	

### EQUITIES

Exchange	Close	Change
DOW	28,869.03	221.01
S&P 500	-4,936.27	29.48

### CURRENCY

Currency	Close	Change
EUR/USD	1.1177	(0.0024)
USD/CND	1.2405	

## Contact Us



Mansfield Energy Corp

1025 Airport Pkwy  
Gainesville, GA 30501

[www.mansfield.energy](http://www.mansfield.energy)

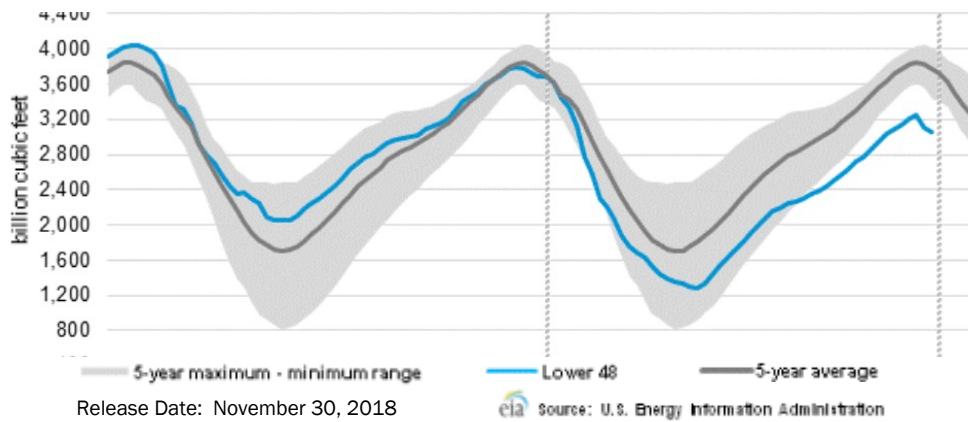
[info@mansfieldoil.com](mailto:info@mansfieldoil.com)

Phone: (800) 695-6626



# NATURAL GAS NEWS

## WEEKLY GAS IN UNDERGROUND STORAGE WITH 5-YR RANGE



## Rig Count

Report Date: March 22, 2019

	Total	Change
US -	1,016	(22)
CN -	105	(106)

## EIA Weekly NG Storage Actual and Surveys for May 7, 2019

Released May 8, 2019

Range – +85 to +114

PIRA – (89)

PointLogic – (88)

Energy Aspects – (86)

EIA ACTUAL – (123)

## Total Working Gas In Storage

**1,547 BCF**

(85) BCF (LAST WEEK)

(128) BCF (LAST YEAR)

(303) BCF (5-YR AVG)

## U.S. Natural Gas Supply Gas Week 5/2 – 5/8

Average daily values (BCF/d):

Last Year (BCF/d)

Dry Production – +80.9

Total Supply – +86.7

Last Week (BCF/d)

Dry Production – +89.6

Total Supply – +94.3

[NEXT REPORT ON May 17]

## U.S. Natural Gas Demand Gas Week 5/2 – 5/8

Average daily values (BCF/d):

Last Year (BCF/d)

Power – +25.6

Total Demand – +69.7

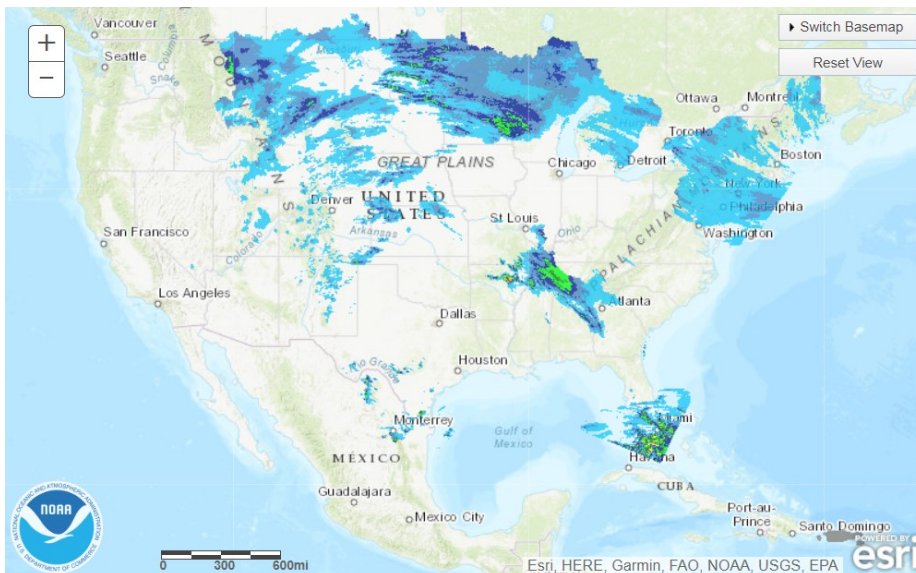
Last Week (BCF/d)

Power – +23.2

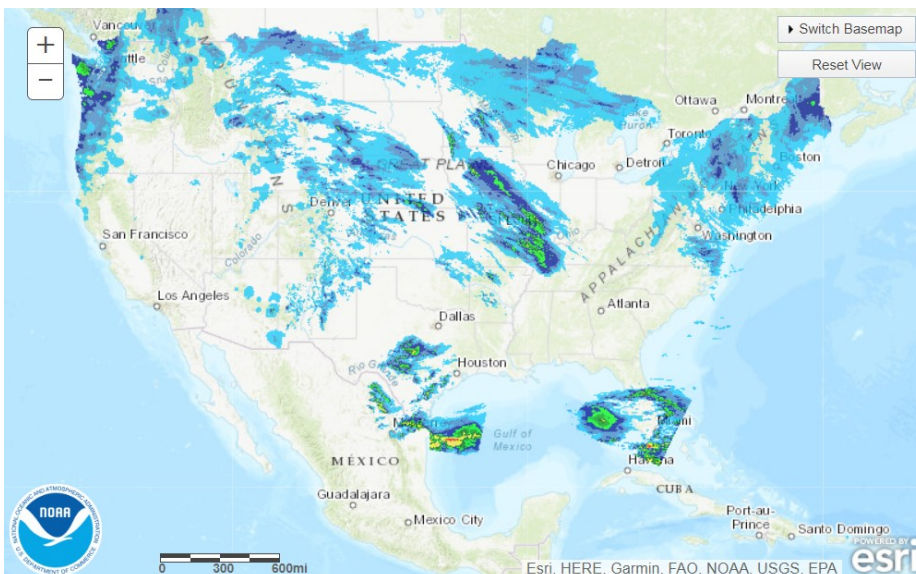
Total Demand – +77.4

[NEXT REPORT ON May 17]

## TODAY'S PRECIPITATION



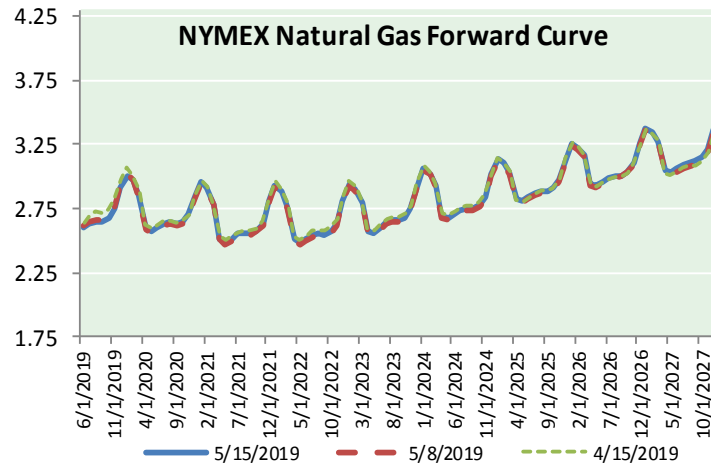
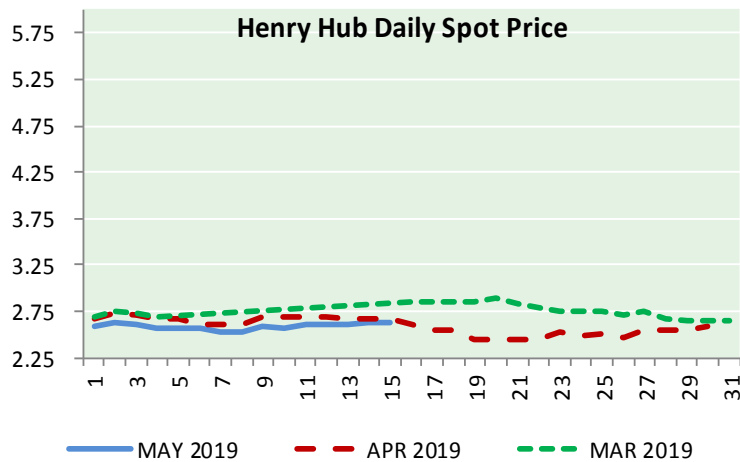
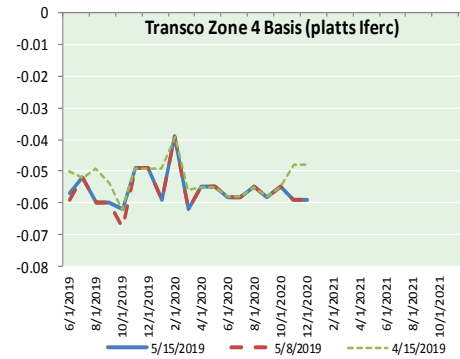
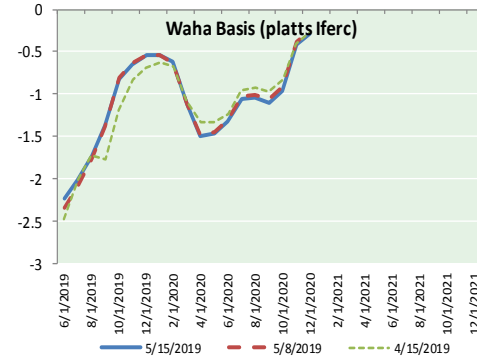
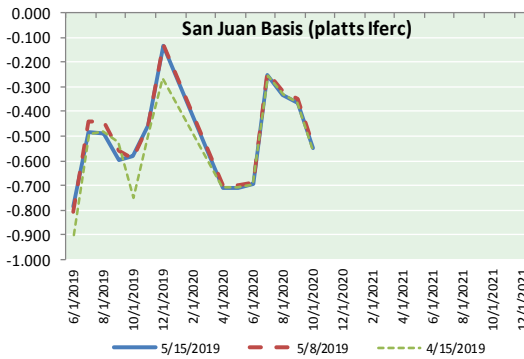
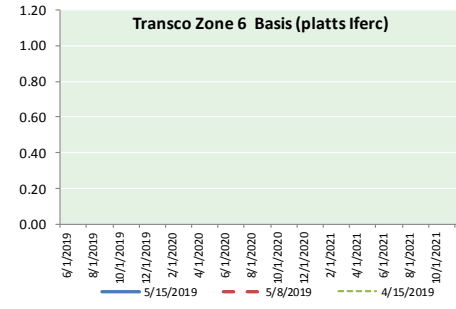
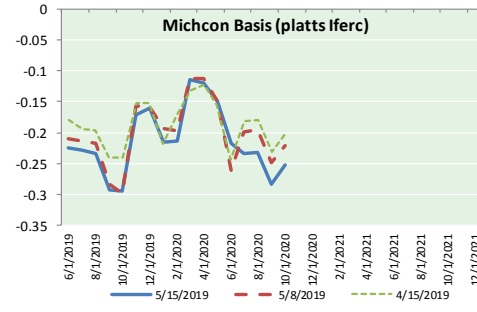
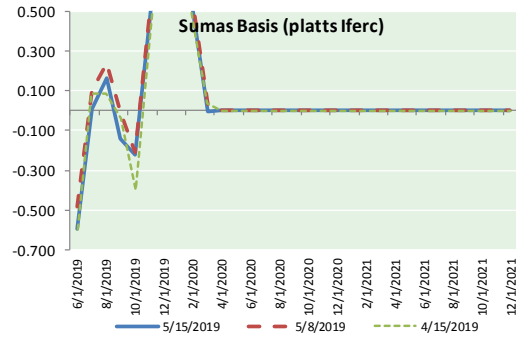
## 24 HOUR PRECIPITATION





# NATURAL GAS NEWS

## NATURAL GAS BASIS FUTURES, HENRY HUB SPOT PRICES, AND FORWARD CURVE



### NYMEX WTI Delivery Month Average (\$/bbl) (Excluding Weekends and Holidays)

Month: May 2019

Day	Price	Day	Price
1	63.60	16	
2	61.81	17	
3	61.94	18	
4		19	
5		20	
6	62.25	21	
7	61.40	22	
8	62.12	23	
9	61.70	24	
10	61.66	25	
11		26	
12		27	
13	61.04	28	
14	61.78	29	
15	62.02	30	
		31	

Average (May) 61.9382  
(through 05/15/2019)

Average (Apr) 63.9541

Average (Mar) 58.1681

### CME NG Option Prices

#### ATM Call

Month	Strike	Close	Imp Vol
Jul-19			
Aug-19	2.650	0.071	20.6
Sep-19			
Oct-19			
Nov-19			

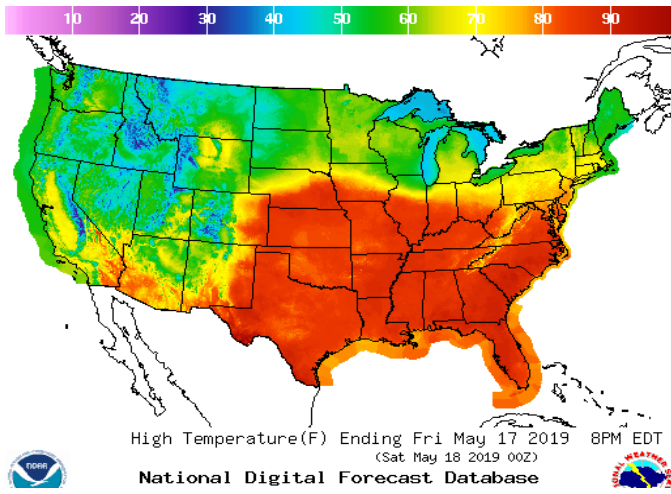
### CME NG Option Prices

#### ATM Put

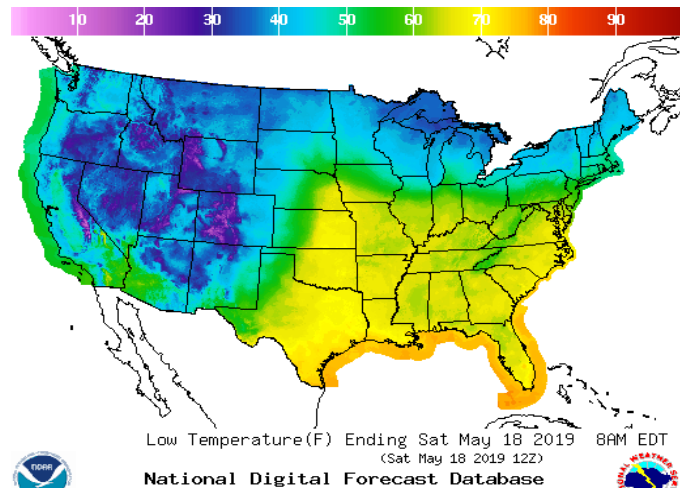
Month	Strike	Close	Imp Vol
Jul-19			
Aug-19	2.650	0.087	24.3
Sep-19			
Oct-19			
Nov-19			

WEATHER – HIGH / LOW TEMPERATURE TOMORROW

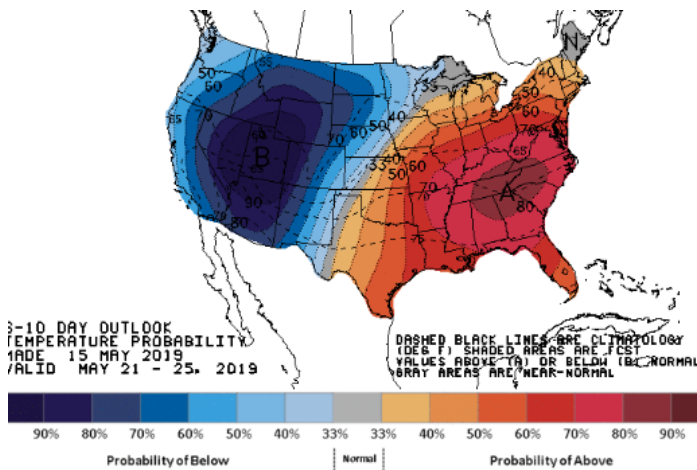
HIGH Temperature



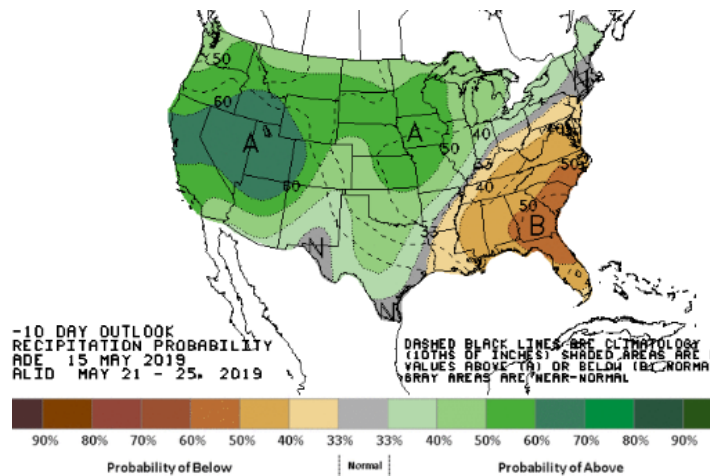
LOW Temperature



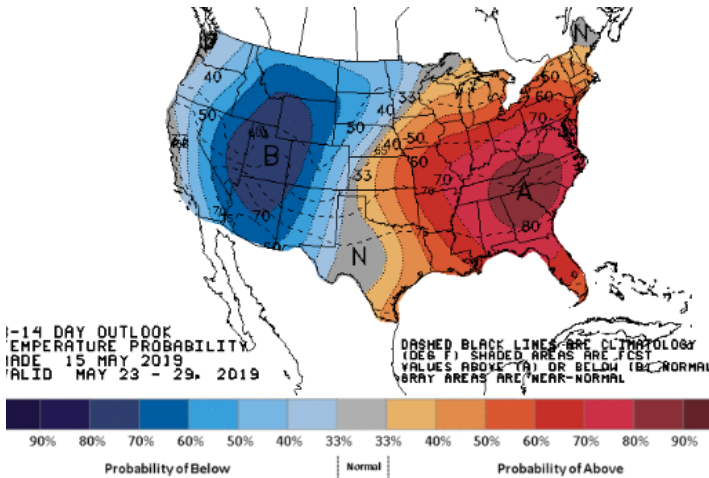
WEATHER – 6 TO 10 DAY OUTLOOK – NOAA  
Temperature



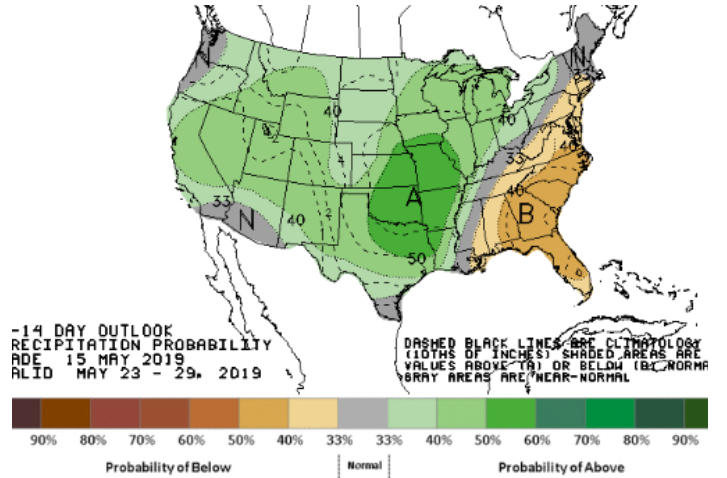
Precipitation



WEATHER – 8 TO 14 DAY OUTLOOK – NOAA  
Temperature

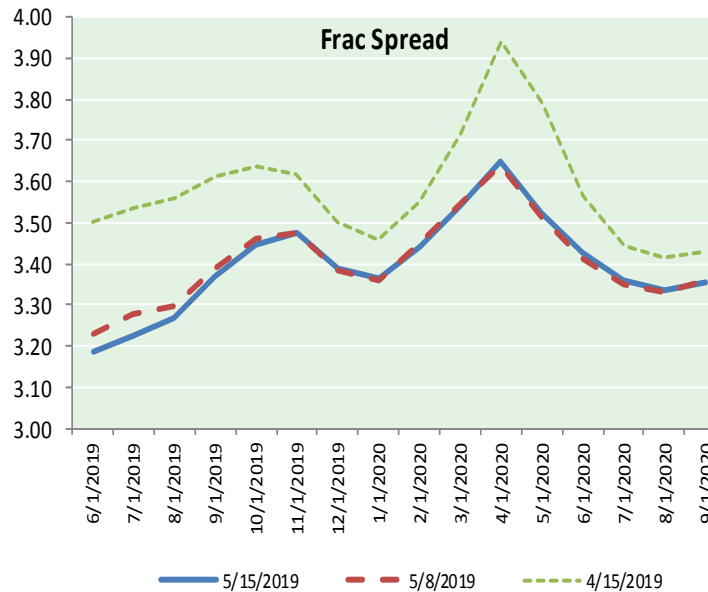
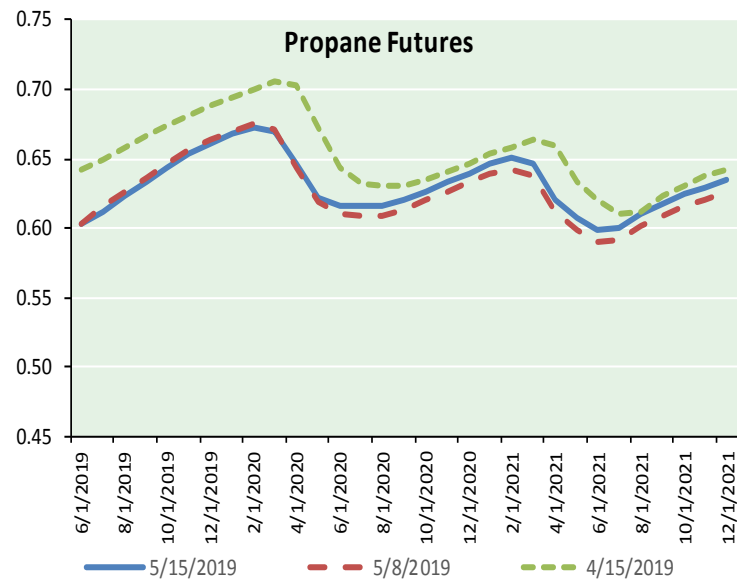
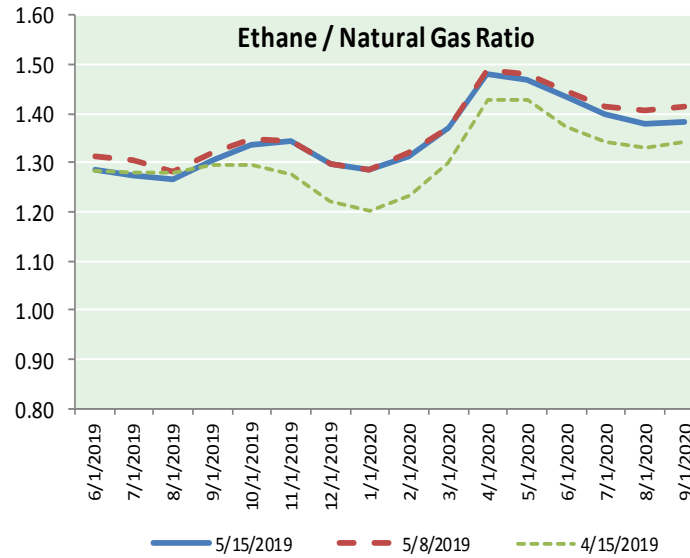
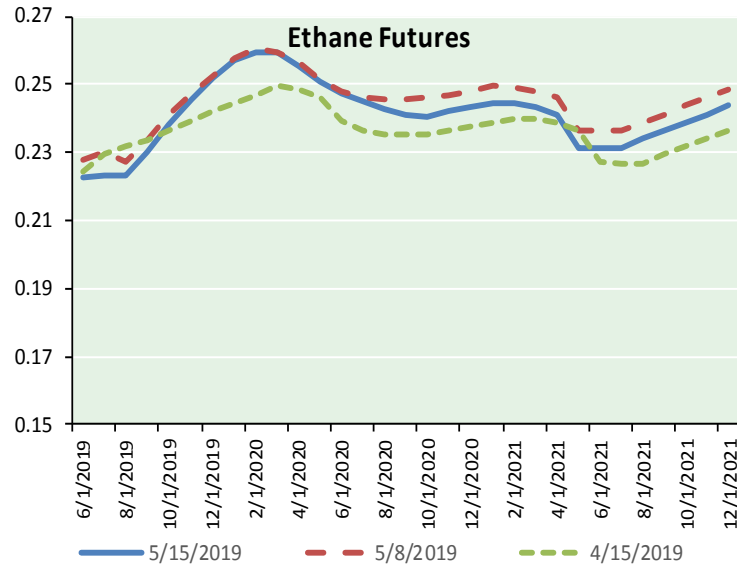


Precipitation





ETHANE FUTURES, NG/ETHANE RATIO, PROPANE FUTURES, AND THE FRAC SPREAD



CME Future Prices

Month	Close	Change
Jun-19	0.222	0.001
Jul-19	0.223	0.002
Aug-19	0.223	0.002
Sep-19	0.230	0.003
Oct-19	0.238	0.003
Nov-19	0.246	0.004
Dec-19	0.252	0.005
Jan-20	0.257	0.005
Feb-20	0.259	0.004
Mar-20	0.259	0.005
Apr-20	0.256	0.005
May-20	0.251	0.005
1YR Strip	0.243	0.004

CME Future Prices

Propane (C3)  
Non-LDH— Mont Belvieu

Month	Close	Change
Jun-19	0.603	(0.011)
Jul-19	0.613	(0.019)
Aug-19	0.623	(0.019)
Sep-19	0.633	(0.018)
Oct-19	0.643	(0.018)
Nov-19	0.653	(0.016)
Dec-19	0.661	(0.015)
Jan-20	0.668	(0.014)
Feb-20	0.673	(0.014)
Mar-20	0.670	(0.014)
Apr-20	0.646	(0.014)
May-20	0.623	(0.014)
1YR Strip	0.642	(0.016)

# NATURAL GAS NEWS



**Prompt WTI (CL) Crude**  
Daily Sentiment

**BEARISH**



RESISTANCE  
62.62 & 63.23  
SUPPORT  
61.13 & 60.25

**FOLLOW US ON TWITTER:**



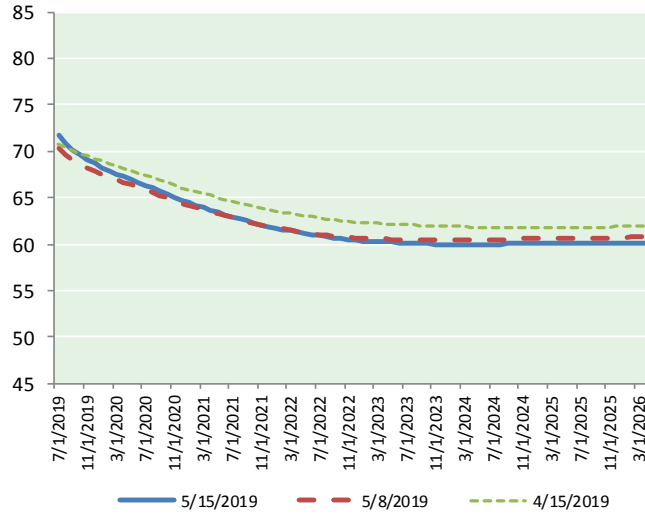
@MPG\_NatGasNews

**NYMEX Brent (BZ)**

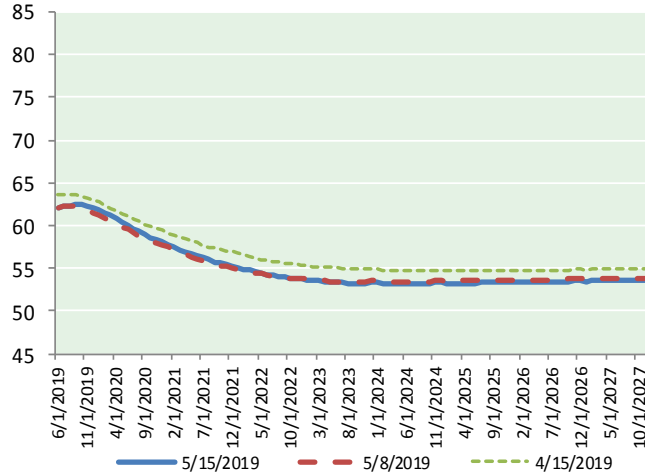
**Futures**

Month	Close	Change
Jun-19	62.02	0.24
Jul-19	62.24	0.28
Aug-19	62.39	0.31
Sep-19	62.45	0.35
Oct-19	62.41	0.38
Nov-19	62.28	0.41
Dec-19	62.08	0.43
Jan-20	61.82	0.45
Feb-20	61.51	0.47
Mar-20	61.16	0.47
Apr-20	60.79	0.46
May-20	60.41	0.44
Jun-20	60.06	0.43
Jul-20	59.67	0.41
Aug-20	59.31	0.40
Sep-20	58.96	0.39
Oct-20	58.64	0.38
Nov-20	58.37	0.37
Dec-20	58.11	0.35
Jan-21	57.78	0.34
Feb-21	57.46	0.33
Mar-21	57.17	0.32
Apr-21	56.91	0.32
May-21	56.67	0.32
1YR Strip	61.80	0.39
2019	62.27	0.34
5YR Strip	56.41	0.29

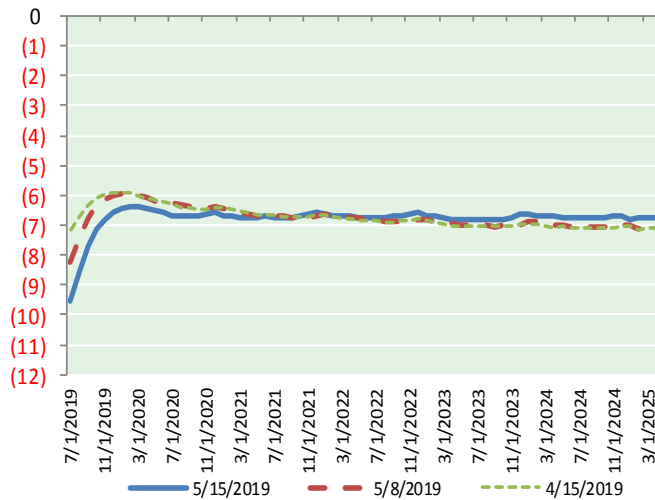
**BRENT CRUDE FORWARD CURVE**



**WTI CRUDE FORWARD CURVE**



**WTI-BRENT SPREAD**



**FRAC Spread**

**Specifications**

Ethane :	42%	66,500 btu/g
Propane :	28%	90,830 btu/g
Butane :	11%	102,916 btu/g
Iso-Butane :	6%	98,935 btu/g
Natural Gasoline :	13%	115,021 btu/g

**Prompt NGL Futures**

	Jun-19	Close	Change
Butane	0.647	(0.014)	
Iso-Butane	0.654	(0.014)	
Nat Gasoline	1.271	0.011	

**NYMEX WTI (CL) Futures**

Month	Close	Change
Jul-19	71.77	0.53
Aug-19	70.90	0.59
Sep-19	70.16	0.60
Oct-19	69.55	0.61
Nov-19	69.08	0.60
Dec-19	68.65	0.60
Jan-20	68.26	0.59
Feb-20	67.90	0.58
Mar-20	67.57	0.57
Apr-20	67.25	0.55
May-20	66.94	0.54
Jun-20	66.61	0.54
Jul-20	66.33	0.54
Aug-20	66.01	0.52
Sep-20	65.68	0.51
Oct-20	65.36	0.49
Nov-20	65.02	0.48
Dec-20	64.70	0.46
Jan-21	64.44	0.45
Feb-21	64.18	0.44
Mar-21	63.92	0.42
Apr-21	63.67	0.41
May-21	63.42	0.40
Jun-21	63.17	0.39
1YR Strip	68.72	0.58
2019	70.02	0.59
5YR Strip	63.00	0.36