

BASIN Digest

A Weekly Overview of Basin Activity June 20 - 26, 2020

The Basin Digest Weekly update presents the rig activity, product pricing, and permitting information.

The Basin Digest data comes from JKPC's [Appalachian Basin Database](#) covering OH, PA, WV, KY, and VA. The database is based on state reported data and Frac Focus data and includes all horizontal wells ranging from permitted status to producing. Formations in the database include Burkett (Geneseo), Marcellus, Utica, Lower Huron, Clinton and others.

Rig Activity Summary

The following table presents the average weekly horizontal rig count based on information from Baker Hughes and Rig Data.

STATE	WEEK 1	WEEK 2	WEEK 3	WEEK 4
OH	9	9	9	9
PA	20	22	22	22
WV	8	6	5	6
VA	0	0	0	0
KY	0	0	0	0
NY	0	0	0	0
TOTAL	37	37	36	37

Product Pricing Summary

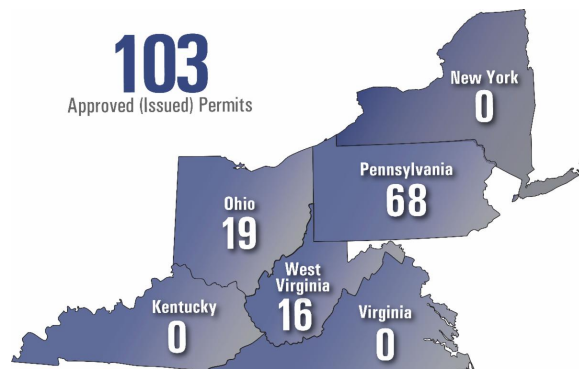
The following table presents the closing weekly prices based on various public data sources (ERGON/DIRECT ENERGY/ICE).

PRODUCT	WEEK 1	WEEK 2	WEEK 3	WEEK 4
Oil – Crude Tier I	38.55	35.26	38.75	37.49
Marcellus-Utica Med	38.55	35.26	39.75	37.49
Marcellus-Utica Light	29.55	26.26	29.75	28.49
Marcellus-Utica Cond	18.55	15.26	18.75	17.49
Natural Gas HH	1.78	1.73	1.67	1.47
Natural Gas DTI	1.37	1.34	1.3	1.42
Natural Gas TCO	1.52	1.47	1.43	1.226
NGL - Y Grade	-	-	-	15.68

Permitting Summary by State

The following table presents the approved (issued) permits by week based on various state public data sources (ODNR/PADEP/WVDEP). The Virginia, Kentucky, and New York data is not up to date although there has been little recent horizontal activity in those states.

STATE	WEEK 1	WEEK 2	WEEK 3	WEEK 4	TOTAL
OH	0	9	7	3	19
PA*	28	10	16	14	68
WV	8	0	1	7	16
KY	-	-	-	-	-
VA	-	-	-	-	-
NY	-	-	-	-	-
TOTAL	36	19	24	24	103



*Pennsylvania 14 permits include 12 New, 1 Renewed and 1 Modified permits in Week 4.

OH – Ascent Harrison Co. 2, Eclipse Monroe Co. 1

PA – Chief Bradford Co. 2, Penn Energy Butler Co. 1, EQT Greene Co. 1, SWN Lycoming Co. 6 Chief Sullivan Co. 4

WV – 0

County Highlight - Doddridge County, West Virginia

Current Well Count by Township by Development Status

NO	TOWNSHIP	PERM	SPUD	DRLD	COMP	PROD	SI	TOTAL
1	WEST UNION	30	-	-	1	151	-	182
2	CENTRAL	8	-	-	-	107		115
3	SOUTHWEST	18	-	-	6	87	2	113
4	GRANT	20	-	-	-	83	-	103
5	GREENBRIER	50	-	-	-	50	-	100
6	NEW MILTON	32	-	-	-	60	-	92
7	MCCLELLAN	11	-	-	-	30	-	41
8	UNKNOWN	12	-	-	-	-	-	12
9	SOUTH WEST/COVE	3	-	-	-	-	-	3
10	COVE	1	-	-	-	-	-	1
	TOTAL	185	0	0	7	568	2	762

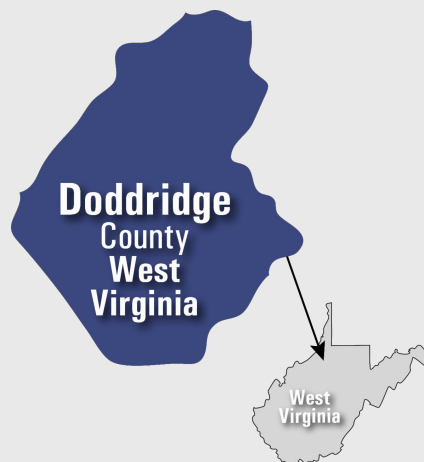
Current Well Count by Current Operator by Development Status

NO	TOWNSHIP	PERM	SPUD	DRLD	COMP	PROD	SI	TOTAL
1	ANTERO	141	-	-	1	381	-	523
2	EQT	37	-	-	-	172	2	211
3	JAY BEE	2	-	-	-	15	-	17
4	CNX	5	-	-	6	-	-	11
	TOTAL	185	0	0	7	568	2	762

- **Current Producing Well Count by Formation:** Marcellus 562, Burkett 5, Gordon 1
- **Average Producing Well Lateral Length:** MIN 896', MAX 14,702', AVG 6,958'
- **568 Well Total Lateral Length:** 3,952,270'

531 Well Production Summary

YEAR	GAS (MCF)	OIL (BBL)
2008	129,611	42
2009	1,147,060	288
2010	6,671,848	18,155
2011	24,480,585	79,581
2012	44,952,125	137,398
2013	94,689,750	126,843
2014	229,316,263	352,700
2015	354,469,874	596,288
2016	325,027,101	609,115
2017	384,281,278	855,117
2018	428,072,272	1,050,738
2019	96,202,435	65,541
2020	16,344,762	10,264
TOTAL	2,005,784,964	3,902,070



Producing Wells By Year

YEAR	PROD
2009	6
2010	16
2011	46
2012	26
2013	46
2014	128
2015	103
2016	46
2017	69
2018	58
2019	18
2020	6
TOTAL	568

- **50 Year EUR Range BCF Per 1,000':** 0.03 – 2.87
- **First Producing Well:** EQT/Leeson 510841/API 47-017-05640/Last Comp Date - 05/14/2009/TTL- 2,796'/ Stages – 7
- **Longest Producing Lateral:** Antero/Mondeo 3H/API 47-017-06796/Last Comp Date - 12/01/2019/TTL – 14,702'/ Stages – 70 (Estimated)



Mapping and Spotfire

JKPC utilizes a variety of well and geographic information mapping software including Google Earth, Global Mapper, Spotfire. The mapping software provides the visualization necessary to more fully understand the relationship between wells on a local or regional level. [read more](#)



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