



Midstream Activity Tracker

Weekly Natural Gas Processing Dynamics

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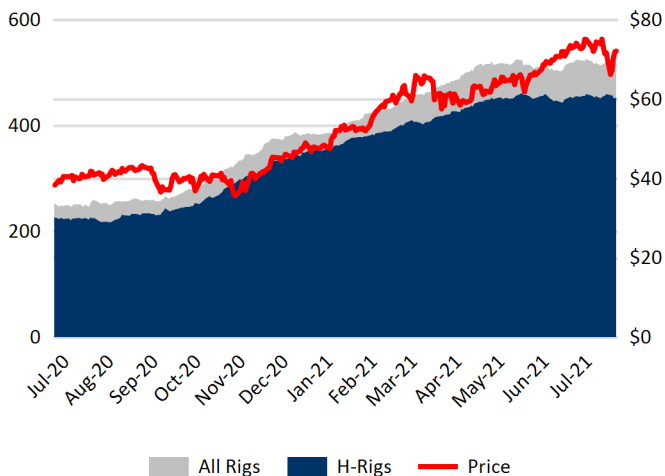
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Weekly Highlights: Total U.S. rigs increased by 6.3 W-o-W, bringing the total U.S. rig count to 529. Basins leading the drilling increase include the ArkLaTex (1.4 rigs) and Denver-Julesburg (1.1 rig). Bakken decrease by 1 rig, while WCSB decreased by 6.4 rigs W-o-W. On the midstream side DCP (DCP) is up 5.6 rigs on its Permian and Eagle Ford systems. Energy Transfer (ET) is down 3.7 rig on its Permian and Eagle Ford G&P systems. West Texas Gas (Private) is up 3.6 rigs on its Permian systems.

Featured System: DCP Midstream's (DCP) DJ system is the company's second-largest asset behind its Sand Hills NGL pipeline, and East Daley estimates the system generated \$236 million in 2020 (19% of total EBITDA). Total processing capacity is 1,170 MMcf/d across 10 processing plants, but DCP recently leased capacity at Western Midstream's (WES) Latham II facility, which adds another 225 MMcf/d to its total processing capacity in the basin. Given the Company's historical presence in the basin, the asset is heavily commodity exposed at 35%+ POP, resulting in great variability across earnings. Although the rig counts on the system (currently at ~3 rigs) and DJ Basin overall remain low, we expect it is enough to maintain volumes. However, our interstate pipeline sample has 100% coverage of the system which allows us to track volumes on the system daily, and those samples indicate volumes have increased slightly to 1.2 Bcf/d. However, the high forward gas strip and the system's commodity contracts should help grow earnings near term despite our low volume growth outlook.

For questions on the Midstream Activity Tracker please contact Maria Paz Urdaneta (mpurdaneta@eastdaley.com)

US Rig Count vs. WTI



Basin	W-o-W Rig Chg	Avg Rig Count				
		Jul 25	Jul 18	Jul 11	Jul 04	Jun 27
Permian	0.7	245	244	247	250	251
WCSB	(6.4)	138	145	134	132	127
ArkLaTex	1.4	56	55	57	57	55
Anadarko	0.7	51	50	50	50	50
Eagle Ford	0.3	47	47	46	46	45
Marcellus+Utica	0.4	32	31	30	31	31
Bakken	(1.0)	22	23	22	21	21
Denver Julesburg	1.1	12	11	11	11	11
Powder River	0.0	10	10	10	9.7	8.6
Marcellus - NE PA	(0.9)	10	11	13	14	14
Uinta	0.0	10	10	9.1	9.0	9.0
Barnett	(0.7)	7.9	8.6	8.0	8.3	7.6
Other Rigs	4.1	26	22	21	19	20
Total US Rigs	6.3	529	523	523	526	523
Total	(0.1)	668	668	657	659	649

Company	Ticker	W-o-W Rig Chg	Avg Rig Count				
			Jul 25	Jul 18	Jul 11	Jul 04	Jun 27
Targa Resources	TRGP	0.0	54	54	56	58	57
Energy Transfer LP	ET	(3.7)	49	53	56	54	53
West Texas Gas	Private	3.6	46	42	39	40	41
Enterprise Product Partners	EPD	0.6	31	30	27	30	30
DCP Midstream	DCP	5.6	31	25	24	25	25
MPLX LP	MPLX	0.3	30	30	29	30	28
Western Midstream	WES	(1.9)	23	25	26	25	24
Kinder Morgan	KMI	(1.6)	18	19	18	17	19
Lucid	Private	(1.0)	18	19	19	20	22
EnLink Midstream Partners	ENLC	1.4	17	16	19	18	17
Williams Partners	WMB	1.4	17	16	16	16	17
Canadian Natural Resources	CNRL	(1.1)	16	17	14	16	17
Pembina	PBA	1.1	14	13	13	9.6	11
Enable Midstream Partners	ENBL	(1.0)	12	13	14	12	13
ONEOK	OKE	1.0	11	10	9.4	8.6	9.0
Navitas Midstream	Private	(0.1)	9.9	10	9.6	8.1	8.1
Northriver Minstream Inc	Private	0.1	8.9	8.7	4.9	4.7	5.9
Aethon Energy Operating LLC	Private	(0.1)	8.0	8.1	10	9.0	8.0
Paramount Resources	Private	(0.1)	8.0	8.1	6.4	5.6	3.9
Eagle Claw	Private	(0.9)	7.4	8.3	10	10	10
Crestwood Equity Partners	CEQP	(0.6)	7.1	7.7	6.1	8.0	7.0
Keyera	KEY	0.1	6.7	6.6	6.6	5.7	7.0
Tourmaline	TOU	0.1	6.6	6.4	3.7	5.0	5.0
DTE Energy Company	DTE	(0.4)	5.3	5.7	5.0	5.0	5.0
Seven Generations Energy LTD.	Private	0.1	5.1	5.0	5.0	5.7	5.0
Blue Racer Midstream	Private	1.3	5.1	3.9	3.0	3.0	3.7
TRISTATE NORTH LA MIDSTREAM LLC	Private	0.0	5.0	5.0	5.0	4.4	3.0
Tidewater Midstream and Infrastructure LTD.	Private	(1.0)	3.9	4.9	5.1	5.6	5.0
Cenovus Energy	CVE	(1.4)	3.1	4.6	5.0	4.7	3.4
Tallgrass Energy Partners	TGE	(0.1)	3.0	3.1	4.6	3.4	2.6

System Name	Rig Metrics						Well Metrics						
	Wkly Rig Chg	Average					Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled				
		Jul 25	Jul 18	Jul 11	Jul 04	Jun 27			Jul 25	Jul 18	Jul 11	Jul 04	Jun 27

Anadarko

Total Hor/Dir/Ver	0.7	51	50	50	50	50			22	19	17	23	20
Total Hor/Dir	0.7	31	30	30	30	29			8	12	8	7	10
DCP - Midcon	(0.6)	3.4	4.0	4.7	4.3	3.0	19	-	1	0	2	0	3
ENBL - Anadarko	(1.7)	4.3	6.0	7.0	7.0	6.6	30	838	0	3	2	1	1
ENLC - COK	(0.1)	4.0	4.1	5.0	4.3	4.0	15	2,128	2	2	2	1	2
ET - Anadarko	0.9	1.9	1.0	1.0	1.6	2.0	21	557	0	0	1	1	0
MPLX - Sprague Dry	0.0	1.0	1.0	1.0	1.0	1.0	23	-	1	1	0	0	0
MPLX - West OK	0.0	2.0	2.0	2.0	2.0	2.0	9	851	2	2	1	1	2
OKE - Anadarko	0.1	1.7	1.6	1.0	1.0	1.0	20	-	1	0	0	0	0
Private - Blue Mountain	0.0	2.0	2.0	2.0	2.0	2.0	18	4,811	0	1	0	0	1
Private - Cardinal Midstream	0.7	2.0	1.3	1.0	1.0	1.4	23	4,492	0	1	0	1	1
Private - Kingfisher Midstream Arm	0.0	1.0	1.0	1.0	1.0	1.0	12	-	0	1	0	1	0
Private - Mustang	0.0	0.0	0.0	0.0	0.4	1.0	22	35	0	0	0	1	0
Private - Woodford Express	0.0	2.0	2.0	2.0	2.0	2.0	35	-	0	1	0	0	0
TRGP - South OK	0.9	5.0	4.1	2.3	2.0	2.0	13	-	0	0	0	0	0
UNT - Superior	0.6	0.6	0.0	0.0	0.0	0.0	14	558	1	0	0	0	0

There are 19 more systems with little to no activity

ArkLaTex

Total Hor/Dir/Ver	1.4	56	55	57	57	55			16	19	9	24	11
Total Hor/Dir	1.6	53	52	54	54	52			15	18	9	23	10
DCP - East Texas	0.1	1.0	0.9	0.4	0.7	0.3	22	-	0	1	0	1	0
DTE - Blue Union	(0.4)	4.3	4.7	4.0	4.0	4.0	27	22,064	2	1	1	2	0
ENBL - Magnolia/Olympia/Sligo	0.7	7.7	7.0	6.6	5.1	5.0	25	23,912	0	4	1	0	0
ENBL - Waskom/Texola	0.0	0.0	0.0	0.0	0.1	1.0	26	-	0	0	0	0	0
EPD - East Texas	(0.6)	5.0	5.6	6.1	7.3	8.0	23	-	1	2	2	4	0
ET - Brookeland	0.0	1.0	1.0	0.9	0.0	0.0	42	-	0	0	0	0	0
ET - Louisiana	0.0	2.0	2.0	2.0	1.3	1.0	21	25,801	1	1	1	0	0
KMI - Kinderhawk	0.0	3.0	3.0	3.0	3.4	4.0	20	15,333	0	0	1	1	0
L - Gulf South	0.3	0.3	0.0	0.0	0.0	0.0	27	-	0	0	0	0	0
MPLX - Carthage	0.0	2.6	2.6	3.3	2.3	1.7	21	15,610	0	2	0	1	0
NA - Unallocated	(0.3)	1.7	2.0	2.0	3.1	2.3	13	21,000	1	0	0	2	1
Private - Aethon Ibex/Haynesville	0.0	5.0	5.0	6.0	5.3	6.0	21	12,842	3	1	1	2	2
Private - Aethon Kudu Midstream	(0.1)	3.0	3.1	4.0	3.7	2.0	25	11,987	1	1	0	1	0
Private - Align Midstream Deadwood	0.1	1.9	1.7	2.0	2.0	1.7	18	20,699	1	2	0	0	1
Private - Arlight Midcoast	0.0	1.0	1.0	1.9	2.0	2.0	20	10,687	0	0	0	0	1
Private - Azure TGG (GP)	0.0	0.0	0.0	0.7	1.0	1.0	21	22,989	0	0	0	0	0
Private - Trace Midstream	0.1	3.0	2.9	3.3	3.9	4.0	15	16,676	2	0	2	2	3
Private - Tristate NLA	0.0	5.0	5.0	5.0	4.4	3.0	21	-	2	2	0	3	1
WMB - Louisiana/Magnolia	0.9	5.1	4.3	3.0	3.9	5.0	18	20,493	0	1	0	4	1
XOM - Whalen	0.7	0.7	0.0	0.0	0.0	0.0	1	-	1	0	0	0	0

There are 30 more systems with little to no activity

Bakken

Total Hor/Dir/Ver	(1.0)	22	23	22	21	21			17	10	10	12	12
Total Hor/Dir	(1.1)	19	21	19	19	19			15	10	8	12	11
CEQP - Bear Den	0.0	0.0	0.0	0.6	1.0	0.4	8	1,848	0	0	1	0	0
HESM - Tioga	0.0	2.0	2.0	2.3	3.0	3.0	9	1,101	2	1	1	1	2
KMI - Badlands	0.0	1.0	1.0	1.0	0.1	0.0	18	-	1	0	0	0	0
KMI - Bakken	(1.4)	4.3	5.7	5.7	5.6	6.0	8	1,434	3	4	1	5	4
KMI - Sidney	0.1	0.7	0.6	0.0	0.0	0.0	-	-	0	2	0	0	0
MPLX - Robinson Lake	0.7	3.0	2.3	2.1	3.0	2.6	9	573	2	0	3	3	1
NA - Unallocated	(0.9)	0.1	1.0	0.3	0.0	0.0	8	1,053	1	0	0	0	0
OKE - Bakken	0.3	7.3	7.0	5.7	5.6	6.3	9	1,931	6	2	2	3	2
TRGP - Badlands	0.0	1.0	1.0	1.0	1.0	1.1	8	2,207	0	1	0	0	2

There are 15 more systems with little to no activity



System Name	Rig Metrics						Well Metrics						
	Wkly Rig Chg	Average					Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled				
		Jul 25	Jul 18	Jul 11	Jul 04	Jun 27			Jul 25	Jul 18	Jul 11	Jul 04	Jun 27

Barnett

Total Hor/Dir/Ver	(0.7)	7.9	8.6	8.0	8.3	7.6			6	2	4	4	5
Total Hor/Dir	0.0	0.0	0.0	0.0	0.0	0.0			0	0	0	0	0

There are 19 more systems with little to no activity

Denver Julesburg

Total Hor/Dir/Ver	1.1	12	11	11	11	11			8	14	9	9	14
Total Hor/Dir	1.1	11	10.0	10	11	11			8	14	9	9	14
DCP - Denver Julesburg	1.0	3.0	2.0	2.0	2.4	2.7	3	2,781	1	2	3	5	3
Private - Cureton	0.0	2.0	2.0	2.0	2.0	2.0	3	-	2	3	1	2	4
Private - Rimrock	0.9	0.9	0.0	1.0	1.6	1.3	5	-	0	0	1	1	2
Private - Silo	0.0	2.0	2.0	1.4	1.0	1.0	10	-	2	2	1	0	0
WES - DJ	(0.7)	2.3	3.0	3.0	3.0	3.3	4	863	2	5	3	0	4
WMB - Discovery	0.0	1.0	1.0	1.0	1.0	1.0	6	715	1	2	0	1	1

There are 7 more systems with little to no activity

Powder River

Total Hor/Dir/Ver	0.0	10.0	10.0	10.0	9.7	8.6			2	6	4	3	6
Total Hor/Dir	0.0	9.0	9.0	9.0	8.7	7.6			1	6	3	2	6
CEQP - Bucking Horse	0.1	1.0	0.9	0.0	1.0	0.4	7	-	0	0	0	1	0
NA - Unallocated	(0.6)	0.0	0.6	1.0	1.0	1.9	19	965	0	1	0	0	1
Private - Evolution	0.0	0.0	0.0	0.0	0.0	1.6	9	-	0	0	0	0	2
Private - Meritage	0.0	3.0	3.0	2.4	2.3	1.0	13	1,844	0	3	0	0	1
TGE - Douglas	(0.1)	3.0	3.1	4.6	3.4	2.6	12	905	1	1	3	1	2
WES - Hilight	0.6	2.0	1.4	1.0	1.0	0.1	15	1,003	0	1	0	0	0

There are 4 more systems with little to no activity

Eagle Ford

Total Hor/Dir/Ver	0.3	47	47	46	46	45			24	25	24	26	21
Total Hor/Dir	0.0	43	43	42	42	41			22	24	22	26	18
DCP - Eagle Ford	2.0	8.6	6.6	5.1	5.4	6.6	10	-	4	5	5	6	6
EPD - Eagle Ford	(0.1)	13	13	12	13	11	9	1,102	8	5	7	6	8
ET - Eagle Ford	(1.4)	13	14	15	14	13	9	2,007	7	8	8	5	2
KMI - Eagle Ford	0.0	2.0	2.0	2.0	2.9	4.0	8	1,512	2	2	1	5	1
Private - Howard	0.7	3.0	2.3	2.0	2.0	1.9	16	-	0	0	0	1	0
Private - Navarro Dry	0.0	1.0	1.0	1.0	1.0	1.0	16	-	0	1	0	0	0
SXE - South Texas	(1.1)	1.6	2.7	3.0	2.9	3.0	11	770	0	2	0	2	1
WES - EGLFRD	0.0	1.0	1.0	1.0	1.0	1.0	8	492	1	1	1	1	0

There are 10 more systems with little to no activity

Marcellus - NE PA

Total Hor/Dir/Ver	(0.9)	10.0	11	13	14	14			15	7	16	4	9
Total Hor/Dir	(0.9)	9.0	9.9	12	13	13			15	7	15	3	9
Dry Unallocated_NEPA	0.0	0.0	0.0	0.4	1.0	1.0	11	-	0	0	1	0	0
DTE - Bluestone	0.0	1.0	1.0	1.0	1.0	1.0	14	24,568	1	0	1	0	0
ET - NEPA_NEPA	0.0	1.0	1.0	1.0	1.0	1.0	15	13,083	0	1	0	1	0
NFG - Northeast	(0.7)	2.0	2.7	3.0	3.0	3.0	11	5,993	1	1	3	0	3
Private - Alta	0.0	0.0	0.0	0.6	1.0	1.0	12	11,674	0	0	1	0	0
WMB - Bradford Supply Hub	0.0	3.0	3.0	3.0	3.0	3.0	14	30,257	2	0	3	0	1
WMB - Susquehanna Supply Hub	(0.1)	2.0	2.1	3.0	3.0	3.0	6	20,483	4	1	2	0	3

There are 14 more systems with little to no activity



System Name	Rig Metrics Average						Well Metrics Drilled						
	Wkly Rig Chg	Jul 25	Jul 18	Jul 11	Jul 04	Jun 27	Avg Drill Time	Avg IP Rate (Mcf/d)	Jul 25	Jul 18	Jul 11	Jul 04	Jun 27
		Jul 25	Jul 18	Jul 11	Jul 04	Jun 27			Jul 25	Jul 18	Jul 11	Jul 04	Jun 27
Marcellus+ Utica													
Total Hor/Dir/Ver	0.4	32	31	30	31	31			19	18	17	10	17
Total Hor/Dir	(0.6)	31	31	29	30	30			18	18	16	9	17
EQM - Pennsylvania_UTICA	0.1	2.0	1.9	2.0	1.6	1.0	8	17,171	2	1	1	0	1
MPLX - Jefferson Gathering	0.0	2.0	2.0	2.0	2.0	1.3	10	27,414	1	2	2	1	1
MPLX - Majorsville/Houston/Harmon Creek	0.1	5.0	4.9	4.0	4.4	5.0	10	17,534	2	4	1	2	2
MPLX - Mobley_UTICA	0.7	3.7	3.0	3.0	3.0	3.0	11	10,475	2	1	1	0	0
MPLX - Sherwood	(0.7)	2.3	3.0	3.1	4.0	4.0	7	18,216	3	2	4	1	4
MPLX - Utica	(1.1)	1.9	3.0	2.3	2.0	2.0	13	11,800	1	1	1	0	2
NA - Unallocated	(1.0)	3.3	4.3	3.1	3.0	3.0	11	15,880	2	1	1	1	0
Private - Blue Racer	1.3	5.1	3.9	3.0	3.0	3.7	18	6,487	1	3	1	0	3
Private - Greylock Production	(0.9)	0.1	1.0	1.0	1.0	1.0	9	-	0	0	0	1	1
Private - Northeast Natural Energy_UTICA	0.0	1.0	1.0	1.0	1.0	1.0	11	20,932	1	1	0	0	1
SMLP - Utica	0.0	0.0	0.0	0.7	1.0	1.0	9	28,598	0	0	0	0	0
TRP - Hickory Bend	0.0	1.0	1.0	1.0	1.0	1.0	8	-	1	1	0	1	1
WMB - Laurel Mountain_UTICA	0.0	0.3	0.3	1.0	1.0	1.0	7	13,405	0	0	1	1	0
WMB - Ohio Valley	0.9	0.9	0.0	0.0	0.0	0.0	14	17,109	0	0	0	0	0
WMB - Utica East Ohio	0.0	2.0	2.0	2.0	2.0	2.0	12	-	2	0	2	0	1

There are 11 more systems with little to no activity



System Name	Rig Metrics						Well Metrics						
	Wkly Rig Chg	Average					Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled				
		Jul 25	Jul 18	Jul 11	Jul 04	Jun 27			Jul 25	Jul 18	Jul 11	Jul 04	Jun 27

Permian

Total Hor/Dir/Ver	0.7	245	244	247	250	251			125	116	138	98	122
Total Hor/Dir	1.7	234	232	233	232	232			119	111	127	87	115
AMID - Yellow Rose	0.0	0.0	0.0	0.1	0.1	0.0	9	-	0	0	1	0	0
CEQP - Willow Lake	(0.7)	6.1	6.9	5.6	6.0	6.1	12	-	5	2	2	3	3
CVX - Headlee	0.4	1.0	0.6	0.0	0.0	0.0	14	-	0	0	0	0	0
DCP - Delaware	1.4	8.6	7.1	7.6	6.9	6.9	14	-	4	3	1	2	2
DCP - Midland	0.1	3.3	3.1	2.7	3.6	4.1	15	962	2	0	2	1	4
ENLC - Delaware	0.4	5.9	5.4	5.0	4.3	2.7	12	3,113	4	1	1	0	3
ENLC - Midland	1.1	7.6	6.4	9.1	9.9	9.9	10	855	5	3	8	6	6
EPD - Delaware	0.7	9.0	8.3	6.0	6.7	8.1	13	994	2	4	4	4	5
ET - Delaware	0.1	12	12	13	11	11	14	4,099	7	4	7	4	4
ET - Midland	(1.3)	12	14	13	14	14	9	2,206	7	5	10	6	7
MPLX - Delaware	0.4	6.4	6.0	6.0	6.0	5.7	10	5,315	4	3	3	3	3
Private - AKA Maljamar	0.3	1.0	0.7	0.0	0.0	0.0	13	550	1	0	0	0	0
Private - Brazos Midstream	(0.9)	5.0	5.9	5.9	5.1	5.7	14	1,140	2	3	5	2	3
Private - Cogent Midland	0.1	3.0	2.9	1.3	1.0	1.0	11	934	2	1	1	1	1
Private - Eagle Claw	(0.9)	7.4	8.3	10.0	9.4	8.7	14	1,714	4	3	3	2	4
Private - Fasken Oil & Ranch	0.0	1.0	1.0	1.7	2.0	2.0	11	609	0	0	2	1	0
Private - James Lake	(0.1)	1.0	1.1	2.0	1.3	1.0	13	-	1	1	1	0	0
Private - Lucid Artesia	(0.3)	0.0	0.3	1.0	1.0	1.0	7	-	0	1	0	1	1
Private - Lucid S Carlsbad	(0.9)	15	16	17	18	20	12	3,794	8	4	7	8	9
Private - Medallion Pecos River	0.1	0.4	0.3	0.7	0.0	0.0	14	-	0	0	0	0	0
Private - Navitas	(0.1)	9.9	10.0	9.6	8.1	8.1	8	974	4	6	6	3	4
Private - Salt Creek	0.3	4.0	3.7	3.0	2.7	1.4	14	-	1	3	0	1	0
Private - San Mateo Black River	0.0	4.0	4.0	4.0	4.0	4.0	16	-	0	2	3	0	1
Private - Sendero Midstream	(0.1)	2.1	2.3	2.0	2.0	2.0	16	-	0	2	0	0	1
Private - Stakeholder	0.0	0.0	0.0	0.9	1.0	1.0	11	515	0	0	1	1	0
Private - Vaquero	(0.4)	1.6	2.0	1.4	1.0	0.9	17	2,704	0	2	0	1	0
Private - WTG North Midland	2.6	38	35	31	31	32	11	142	22	20	17	8	18
Private - WTG South Midland	(0.3)	5.0	5.3	6.0	6.0	6.0	13	-	4	2	4	3	3
TRGP - Delaware	3.3	11	7.3	7.0	7.0	7.0	14	1,488	2	4	4	1	3
TRGP - Midland	0.0	1.0	1.0	1.0	1.0	0.6	11	-	1	1	0	0	0
TRGP - Versado	(0.1)	8.0	8.1	9.9	11	10	14	2,029	3	2	8	4	5
TRGP - West Texas	(2.6)	22	25	27	27	26	10	2,562	12	15	14	14	14
WES - DBM	(1.4)	15	16	15	14	14	13	-	8	8	7	3	7
WES - MiVida/Bone Springs	(0.3)	1.0	1.3	3.0	4.0	4.0	12	-	0	1	1	3	1
WPX - WPX/Howard	0.0	3.0	3.0	3.0	3.0	3.0	11	8,489	4	2	2	0	2
XTO - Delaware	0.6	2.6	2.0	2.0	2.0	2.0	9	-	0	3	2	1	1

There are 20 more systems with little to no activity

Uinta

Total Hor/Dir/Ver	0.0	10.0	10.0	9.1	9.0	9.0			5	11	4	8	1
Total Hor/Dir	0.0	10.0	10.0	9.1	9.0	9.0			5	11	4	8	1
KMI - Altamont	(0.4)	5.6	6.0	4.9	3.6	3.3	11	914	3	6	0	4	0
NA - Unallocated	0.0	1.0	1.0	1.0	1.0	1.0	17	-	0	0	0	0	0
OVV - Uinta	0.0	0.0	0.0	0.3	1.0	0.7	10	-	0	0	1	0	0
Private - Randlett Dry	0.4	1.4	1.0	0.3	1.6	3.0	8	-	1	1	1	3	1
Private - Monarch	0.0	0.0	0.0	0.0	0.1	0.0	-	-	0	0	0	1	0
WES - Chipeta	0.0	2.0	2.0	2.7	1.7	1.0	8	-	1	4	2	0	0

There are 6 more systems with little to no activity

System Name	Rig Metrics						Well Metrics						
	Wkly Rig Chg	Average					Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled				
		Jul 25	Jul 18	Jul 11	Jul 04	Jun 27			Jul 25	Jul 18	Jul 11	Jul 04	Jun 27
WCSB													
Total Hor/Dir/Ver	(6.4)	138	145	134	132	127			134	112	96	108	57
Total Hor/Dir	(4.3)	131	135	129	127	123			127	105	91	99	57
AAV - Advantage Oil & Gas	(0.3)	1.0	1.3	2.0	2.0	1.1	10	6,986	1	1	1	1	0
ALA - Altagas	0.9	0.9	0.0	1.1	2.7	2.0	12	3,687	1	0	1	2	2
ARX - Arc Resources	0.9	0.9	0.0	1.0	1.7	0.4	7	4,252	0	0	1	1	0
BIR - Birchcliff Energy	0.3	2.0	1.7	0.4	0.0	0.0	9	2,689	0	1	0	0	0
BNP - Bonavista	0.0	1.0	1.0	0.0	0.0	0.0	15	3,721	0	1	0	0	0
CNRL - Canadian Natural Resources	0.0	15	15	14	15	17	9	3,440	14	9	10	11	11
CR - Crew Energy	0.0	0.0	0.0	0.1	1.0	0.3	12	6,843	0	0	1	0	0
CVE - Cenovus	(0.3)	3.0	3.3	4.7	4.1	3.3	10	-	6	1	5	3	2
ET - Energy Transfer CA	(2.0)	2.3	4.3	4.4	5.7	4.7	13	4,375	3	3	2	6	0
JOY - Journey Energy	0.0	1.0	1.0	0.0	0.0	0.0	8	498	0	0	0	0	0
KEY - Integrated Gathering	0.1	6.7	6.6	6.6	4.7	6.0	11	2,242	8	1	4	4	3
KEY - North West	0.0	0.0	0.0	0.0	1.0	1.0	14	-	0	0	0	1	0
NA - Unallocated	0.4	19	18	25	23	20	5	539	24	24	23	25	13
NVA - NuVista	(0.3)	2.7	3.0	3.0	2.9	3.0	12	4,289	1	2	1	1	0
OBE - Obsidian	(0.1)	2.4	2.6	1.6	1.0	1.0	10	-	2	0	2	0	0
OVV - Ovintiv	0.0	2.0	2.0	1.4	0.0	0.0	12	6,630	1	1	0	0	0
PBA - Cutbank	(0.4)	4.6	5.0	6.0	3.0	4.3	22	5,151	1	4	2	0	2
PBA - Duvernay	(0.9)	0.0	0.9	0.7	0.0	0.7	37	2,813	0	2	1	1	1
PBA - Resthaven	(0.1)	1.0	1.1	1.0	1.1	2.0	19	8,723	0	1	1	1	0
PBA - Saturn	(0.7)	0.7	1.4	1.7	1.0	0.0	17	5,881	1	1	0	0	0
PBA - Veresen Dawson	0.6	2.6	2.0	2.1	3.0	3.0	12	6,698	1	2	0	3	1
PBA - Veresen Hythe	1.7	3.4	1.7	1.0	0.4	0.3	10	1,221	6	1	0	0	0
PEA - Pieridae	(0.6)	0.4	1.0	0.3	0.0	0.0	16	6,493	1	0	0	0	0
PEY - Peyto	0.0	2.0	2.0	1.1	1.0	2.0	14	4,209	0	1	0	0	1
PNE - Pine Cliff	0.9	4.0	3.1	1.0	1.1	1.4	3	5,228	7	4	1	0	1
Private - Accel	0.0	1.0	1.0	1.0	1.0	1.0	12	-	1	0	1	0	0
Private - Canlin Alberta	0.0	0.0	0.0	1.0	0.6	0.0	20	-	0	0	1	0	0
Private - Ember	0.0	0.0	0.0	0.0	0.4	1.0	12	-	0	0	0	1	0
Private - Harvest	0.0	2.0	2.0	2.7	3.1	3.3	4	-	1	1	0	3	1
Private - Lynx Energy	(0.7)	0.3	1.0	0.3	1.0	1.0	13	-	1	0	0	1	0
Private - North Bakken	(1.9)	12	13	13	14	15	6	91	16	13	9	14	6
Private - NorthRiver Ft Nelson	0.0	1.0	1.0	1.0	1.0	0.7	11	-	0	0	0	2	0
Private - NorthRiver Ft St John	(0.1)	6.9	7.0	3.3	2.7	4.1	11	4,640	5	9	2	2	4
Private - Orlen	(1.3)	0.7	2.0	1.7	0.7	0.0	20	4,495	1	1	1	0	0
Private - Petronas Canada	(0.3)	2.0	2.3	2.0	2.0	2.4	11	4,754	1	2	0	2	1
Private - Strath	0.0	0.0	0.0	0.0	0.0	1.0	18	16,469	0	0	0	0	0
Private - Torxen	0.9	2.9	2.0	2.6	2.7	1.0	7	143	1	1	3	2	0
PRMPF - Paramount	(0.1)	8.0	8.1	6.3	4.9	3.9	5	-	9	7	8	5	3
PRQ - Petrus	0.4	0.4	0.0	0.0	0.0	0.0	11	463	1	0	0	0	0
REPY - Repsol	(0.6)	0.1	0.7	1.0	1.0	1.0	18	8,802	1	1	1	0	0
SVRGF - Seven Gen	0.1	5.1	5.0	5.0	5.7	5.0	28	5,333	4	3	2	1	1
TOU - Tourmaline	(0.4)	5.6	6.0	3.7	5.0	5.0	12	6,399	5	3	3	4	3
TWM - Tidewater Midstream	(1.0)	3.9	4.9	5.1	5.0	4.4	15	5,994	2	4	4	2	1
XOG - Canada	0.7	1.0	0.3	0.0	0.0	0.0	17	-	0	0	0	0	0

There are 26 more systems with little to no activity

System Name	Basin	Rig Metrics					Well Metrics						
		Wkly Rig Chg	Average				Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled				
			Jul 25	Jul 18	Jul 11	Jul 04			Jun 27	Jul 25	Jul 18	Jul 11	Jul 04

DCP Midstream

Total Hor/Dir/Ver		5.6	31	25	24	25	25			13	11	13	16	18
Total Hor/Dir		4.1	28	24	23	23	24			12	11	13	15	18
DCP - Midcon	Anadarko	(0.6)	3.4	4.0	4.7	4.3	3.0	19	-	1	0	2	0	3
DCP - East Texas	ArkLaTex	0.1	1.0	0.9	0.4	0.7	0.3	22	-	0	1	0	1	0
DCP - Denver Julesburg	Denver Julesburg	1.0	3.0	2.0	2.0	2.4	2.7	3	2,781	1	2	3	5	3
DCP - Eagle Ford	Eagle Ford	2.0	8.6	6.6	5.1	5.4	6.6	10	-	4	5	5	6	6
DCP - Delaware	Permian	1.4	8.6	7.1	7.6	6.9	6.9	14	-	4	3	1	2	2
DCP - Midland	Permian	0.1	3.3	3.1	2.7	3.6	4.1	15	962	2	0	2	1	4

There are 0 more systems with little to no activity

Enable Midstream Partners

Total Hor/Dir/Ver		(1.0)	12	13	14	12	13			0	7	3	1	1
Total Hor/Dir		(1.0)	12	13	14	12	13			0	7	3	1	1
ENBL - Anadarko	Anadarko	(1.7)	4.3	6.0	7.0	7.0	6.6	30	838	0	3	2	1	1
ENBL - Magnolia/Olympia/Sligo	ArkLaTex	0.7	7.7	7.0	6.6	5.1	5.0	25	23,912	0	4	1	0	0
ENBL - Waskom/Texola	ArkLaTex	0.0	0.0	0.0	0.0	0.1	1.0	26	-	0	0	0	0	0

There are 2 more systems with little to no activity

Energy Transfer LP

Total Hor/Dir/Ver		(3.7)	49	53	56	54	53			26	25	32	26	17
Total Hor/Dir		(3.7)	46	50	51	49	47			25	23	29	24	13
ET - Anadarko	Anadarko	0.9	1.9	1.0	1.0	1.6	2.0	21	557	0	0	1	1	0
ET - Brookeland	ArkLaTex	0.0	1.0	1.0	0.9	0.0	0.0	42	-	0	0	0	0	0
ET - Louisiana	ArkLaTex	0.0	2.0	2.0	2.0	1.3	1.0	21	25,801	1	1	1	0	0
ET - Eagle Ford	Eagle Ford	(1.4)	13	14	15	14	13	9	2,007	7	8	8	5	2
ET - NEPA_NEPA	Marcellus - NE PA	0.0	1.0	1.0	1.0	1.0	1.0	15	13,083	0	1	0	1	0
ET - Delaware	Permian	0.1	12	12	13	11	11	14	4,099	7	4	7	4	4
ET - Midland	Permian	(1.3)	12	14	13	14	14	9	2,206	7	5	10	6	7
ET - Energy Transfer CA	WCSB	(2.0)	2.3	4.3	4.4	5.7	4.7	13	4,375	3	3	2	6	0

There are 7 more systems with little to no activity

EnLink Midstream Partners

Total Hor/Dir/Ver		1.4	17	16	19	18	17			11	6	11	7	11
Total Hor/Dir		1.4	17	16	19	18	17			11	6	11	7	11
ENLC - COK	Anadarko	(0.1)	4.0	4.1	5.0	4.3	4.0	15	2,128	2	2	2	1	2
ENLC - Delaware	Permian	0.4	5.9	5.4	5.0	4.3	2.7	12	3,113	4	1	1	0	3
ENLC - Midland	Permian	1.1	7.6	6.4	9.1	9.9	9.9	10	855	5	3	8	6	6

There are 5 more systems with little to no activity

Enterprise Product Partners

Total Hor/Dir/Ver		0.6	31	30	27	30	30			12	12	15	15	15
Total Hor/Dir		0.0	30	30	27	29	28			12	12	13	15	14
EPD - East Texas	ArkLaTex	(0.6)	5.0	5.6	6.1	7.3	8.0	23	-	1	2	2	4	0
EPD - Eagle Ford	Eagle Ford	(0.1)	13	13	12	13	11	9	1,102	8	5	7	6	8
EPD - Pioneer	Green River	0.0	2.0	2.0	1.9	0.9	0.6	17	-	0	0	0	0	0
EPD - Delaware	Permian	0.7	9.0	8.3	6.0	6.7	8.1	13	994	2	4	4	4	5
EPD - Meeker	Piceance	0.0	1.0	1.0	1.0	1.0	1.0	7	5,905	1	1	0	1	1

There are 6 more systems with little to no activity

System Name	Basin	Rig Metrics					Well Metrics						
		Wkly Rig Chg	Average				Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled				
			Jul 25	Jul 18	Jul 11	Jul 04			Jun 27	Jul 25	Jul 18	Jul 11	Jul 04

Kinder Morgan

Total Hor/Dir/Ver		(1.6)	18	19	18	17	19			10	14	4	16	6
Total Hor/Dir		(1.7)	17	18	17	16	17			9	14	3	15	5
KMI - Kinderhawk	ArkLaTex	0.0	3.0	3.0	3.0	3.4	4.0	20	15,333	0	0	1	1	0
KMI - Badlands	Bakken	0.0	1.0	1.0	1.0	0.1	0.0	18	-	1	0	0	0	0
KMI - Bakken	Bakken	(1.4)	4.3	5.7	5.7	5.6	6.0	8	1,434	3	4	1	5	4
KMI - Sidney	Bakken	0.1	0.7	0.6	0.0	0.0	0.0	-	-	0	2	0	0	0
KMI - Eagle Ford	Eagle Ford	0.0	2.0	2.0	2.0	2.9	4.0	8	1,512	2	2	1	5	1
KMI - Altamont	Uinta	(0.4)	5.6	6.0	4.9	3.6	3.3	11	914	3	6	0	4	0

There are 8 more systems with little to no activity

MPLX LP

Total Hor/Dir/Ver		0.3	30	30	29	30	28			20	19	17	12	15
Total Hor/Dir		0.3	30	30	29	30	28			20	19	17	12	15
MPLX - Sprague Dry	Anadarko	0.0	1.0	1.0	1.0	1.0	1.0	23	-	1	1	0	0	0
MPLX - West OK	Anadarko	0.0	2.0	2.0	2.0	2.0	2.0	9	851	2	2	1	1	2
MPLX - Carthage	ArkLaTex	0.0	2.6	2.6	3.3	2.3	1.7	21	15,610	0	2	0	1	0
MPLX - Robinson Lake	Bakken	0.7	3.0	2.3	2.1	3.0	2.6	9	573	2	0	3	3	1
MPLX - Vermillion	Green River	0.1	0.1	0.0	0.0	0.0	0.0	4	-	0	0	0	0	0
MPLX - Jefferson Gathering	Marcellus+Utica	0.0	2.0	2.0	2.0	2.0	1.3	10	27,414	1	2	2	1	1
MPLX - Majorsville/Houston/Harmon Creek	Marcellus+Utica	0.1	5.0	4.9	4.0	4.4	5.0	10	17,534	2	4	1	2	2
MPLX - Mobley_UTICA	Marcellus+Utica	0.7	3.7	3.0	3.0	3.0	3.0	11	10,475	2	1	1	0	0
MPLX - Sherwood	Marcellus+Utica	(0.7)	2.3	3.0	3.1	4.0	4.0	7	18,216	3	2	4	1	4
MPLX - Utica	Marcellus+Utica	(1.1)	1.9	3.0	2.3	2.0	2.0	13	11,800	1	1	1	0	2
MPLX - Delaware	Permian	0.4	6.4	6.0	6.0	6.0	5.7	10	5,315	4	3	3	3	3

There are 8 more systems with little to no activity

ONEOK

Total Hor/Dir/Ver		1.0	11	10	9.4	8.6	9.0			7	3	3	4	3
Total Hor/Dir		0.4	9.0	8.6	6.7	6.6	7.3			7	2	2	3	2
OKE - Anadarko	Anadarko	0.1	1.7	1.6	1.0	1.0	1.0	20	-	1	0	0	0	0
OKE - Bakken	Bakken	0.3	7.3	7.0	5.7	5.6	6.3	9	1,931	6	2	2	3	2

There are 2 more systems with little to no activity

Pembina

Total Hor/Dir/Ver		1.1	14	13	13	9.6	11			10	11	5	5	4
Total Hor/Dir		0.1	12	12	13	8.6	10			9	11	4	5	4
PBA - Cutbank	WCSB	(0.4)	4.6	5.0	6.0	3.0	4.3	22	5,151	1	4	2	0	2
PBA - Duvernay	WCSB	(0.9)	0.0	0.9	0.7	0.0	0.7	37	2,813	0	2	1	1	1
PBA - Resthaven	WCSB	(0.1)	1.0	1.1	1.0	1.1	2.0	19	8,723	0	1	1	1	0
PBA - Saturn	WCSB	(0.7)	0.7	1.4	1.7	1.0	0.0	17	5,881	1	1	0	0	0
PBA - Veresen Dawson	WCSB	0.6	2.6	2.0	2.1	3.0	3.0	12	6,698	1	2	0	3	1
PBA - Veresen Hythe	WCSB	1.7	3.4	1.7	1.0	0.4	0.3	10	1,221	6	1	0	0	0

There are 0 more systems with little to no activity

Targa Resources

Total Hor/Dir/Ver		0.0	54	54	56	58	57			23	25	33	25	27
Total Hor/Dir		1.4	48	46	48	49	47			18	23	26	19	24
TRGP - South OK	Anadarko	0.9	5.0	4.1	2.3	2.0	2.0	13	-	0	0	0	0	0
TRGP - Badlands	Bakken	0.0	1.0	1.0	1.0	1.0	1.1	8	2,207	0	1	0	0	2
TRGP - Delaware	Permian	3.3	11	7.3	7.0	7.0	7.0	14	1,488	2	4	4	1	3
TRGP - Midland	Permian	0.0	1.0	1.0	1.0	1.0	0.6	11	-	1	1	0	0	0
TRGP - Versado	Permian	(0.1)	8.0	8.1	9.9	11	10	14	2,029	3	2	8	4	5
TRGP - West Texas	Permian	(2.6)	22	25	27	27	26	10	2,562	12	15	14	14	14

There are 3 more systems with little to no activity



System Name	Basin	Rig Metrics					Well Metrics					
		Wkly Rig Chg	Average				Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled			
			Jul 25	Jul 18	Jul 11	Jul 04			Jun 27	Jul 25	Jul 18	Jul 11

West Texas Gas

Total Hor/Dir/Ver		3.6	46	42	39	40	41			26	23	22	13	21
Total Hor/Dir		2.3	43	40	37	37	38			26	22	21	11	21
Private - WTG North Midland	Permian	2.6	38	35	31	31	32	11	142	22	20	17	8	18
Private - WTG South Midland	Permian	(0.3)	5.0	5.3	6.0	6.0	6.0	13	-	4	2	4	3	3

There are 1 more systems with little to no activity

Williams Partners

Total Hor/Dir/Ver		1.4	17	16	16	16	17			12	6	10	7	10
Total Hor/Dir		1.6	16	15	15	16	17			10	5	10	7	10
WMB - Louisiana/Magnolia	ArkLaTex	0.9	5.1	4.3	3.0	3.9	5.0	18	20,493	0	1	0	4	1
WMB - Discovery	Denver Julesburg	0.0	1.0	1.0	1.0	1.0	1.0	6	715	1	2	0	1	1
WMB - Opal	Green River	0.0	0.0	0.0	0.0	0.1	0.4	29	-	0	0	0	0	1
WMB - Bradford Supply Hub	Marcellus - NE PA	0.0	3.0	3.0	3.0	3.0	3.0	14	30,257	2	0	3	0	1
WMB - Susquehanna Supply Hub	Marcellus - NE PA	(0.1)	2.0	2.1	3.0	3.0	3.0	6	20,483	4	1	2	0	3
WMB - Laurel Mountain_UTICA	Marcellus+Utica	0.0	0.3	0.3	1.0	1.0	1.0	7	13,405	0	0	1	1	0
WMB - Ohio Valley	Marcellus+Utica	0.9	0.9	0.0	0.0	0.0	0.0	14	17,109	0	0	0	0	0
WMB - Utica East Ohio	Marcellus+Utica	0.0	2.0	2.0	2.0	2.0	2.0	12	-	2	0	2	0	1
WMB - Parachute	Piceance	0.0	2.0	2.0	2.0	2.0	2.0	6	2,568	1	1	1	0	2

There are 4 more systems with little to no activity

METHODOLOGY AND DESCRIPTIONS

Rig Count is a measurement of the daily average number of rigs present on a system in a given week (Monday through Sunday). Any rig that spuds on a system is counted on that system until it spuds a new well, unless the time between release and new spud exceeds three weeks. If the time between release and new spud exceeds three weeks, that rig is not counted on any system after its release date. If a rig is released from one system and spuds a new well on a different system during the same week, the rig is counted as partially present on both systems. **The historical rig count in a basin and on a system is subject to revision as new data becomes available. This is particularly true for the latest week.** EDC leverages information provided by [Drillinginfo](#) to derive system-level data using East Daley's patent pending asset level allocation model.

IP Rates are measured in Mcf/d and reflect a 30-day average of all wells drill on each system within the last 365 days. Wells for each system are determined by East Daley's proprietary patent pending asset level allocation model. EDC uses information provided by [Drillinginfo](#) to derive system-level well metrics.

Drill Times reflect a 365-day average of the difference in days between when a rig spuds and releases. Rigs for each system are allocated using East Daley's proprietary patent pending asset level allocation model. EDC uses information provided by [Drillinginfo](#) to derive system-level data.

Wells Drilled are determined by the total number of rigs released on a given system in a given week. Rigs are determined to be operating on a system using East Daley's proprietary patent pending asset level allocation model. EDC uses information provided by [Drillinginfo](#) to derive system-level data.

Color Scale indicates the magnitude of active rigs on a system relative to the magnitude of rigs on that system over the 5-week history shown. The scale ranges from white indicating the lowest level of relative magnitude to dark beige indicating the highest level of relative magnitude.

Relatively Low  Relatively High

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