



Midstream Activity Tracker

Weekly Natural Gas Processing Dynamics

Report Published:
December 02, 2020

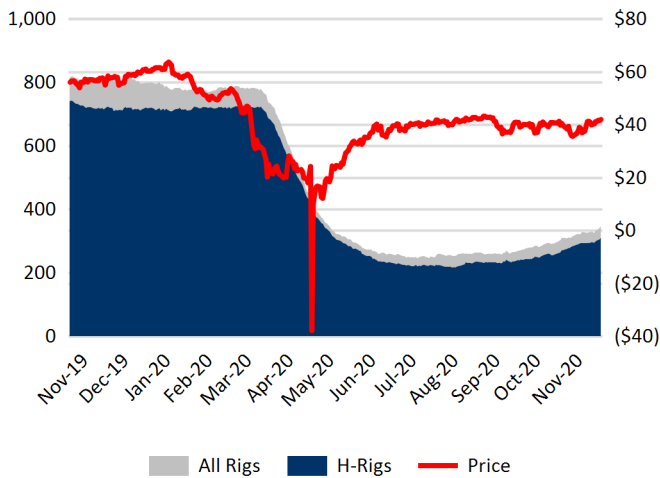
CONFIDENTIAL

Weekly Highlights: Total U.S. rigs increased by 7.6 W-o-W, bringing the total U.S. rig count to 337. Basins leading the increase in drilling include the Permian (+5.1 rigs) and Eagle Ford (+1.6 rigs). The Denver Julesburg Basin increased by 1.3 rigs W-o-W, while the Anadarko decreased by 2.0 rigs. WCSB rigs increased W-o-W by 3.1. On the midstream side, DCP Midstream is up 3.4 rigs across the Permian, Eagle Ford, and ArkLaTex basins. ONEOK is down 2.9 rigs on its G&P systems in the Bakken. Targa Resources is up 1.9 rigs on its Permian systems.

Featured System: Outrigger's Bill Sanderson processing plant is scheduled to come online in the next few weeks and will provide 250 MMcf/d of new processing capacity in the Bakken. The plant is backed by an agreement with ExxonMobil and will gather volumes from Williams County, ND and surrounding areas via a 70-mile gathering line. Exxon has many DUCs in the basin awaiting the new processing capacity and the company could increase volumes significantly depending on the cadence of completions. NGLs from the plant will feed ONEOK's Elk Creek Pipeline and residue gas will feed Northern Border Pipeline.

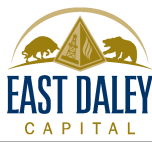
For questions on the Midstream Activity Tracker please contact Maria Paz Urdaneta (mpurdaneta@eastdaley.com)

Rig Count vs. WTI



Basin	W-o-W Rig Chg	Avg Rig Count				
		Nov 22	Nov 15	Nov 08	Nov 01	Oct 25
Permian	5.1	162	157	155	150	143
WCSB	3.1	90	87	82	83	83
ArkLaTex	(0.3)	42	42	42	43	41
Eagle Ford	1.6	27	25	23	20	21
Anadarko	(2.0)	22	24	20	19	19
Marcellus+Utica	0.0	21	21	22	20	20
Bakken	0.0	13	13	13	15	15
Marcellus - NE PA	(0.7)	12	13	14	14	14
Denver Julesburg	1.3	9.3	8.0	8.0	6.4	5.6
Powder River	0.3	5.0	4.7	3.3	3.0	3.9
Uinta	0.0	3.0	3.0	3.0	3.0	3.0
Barnett	0.7	2.9	2.1	3.0	3.0	3.1
Other Rigs	1.6	18	16	17	15	15
Total US Rigs	7.6	337	329	324	313	305
Total	11	426	416	406	396	388

Company	Ticker	W-o-W Rig Chg	Avg Rig Count				
			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25
Targa Resources	TRGP	1.9	43	41	40	38	32
Energy Transfer LP	ET	(1.3)	32	33	30	23	22
DCP Midstream	DCP	3.4	29	26	23	22	23
Enterprise Product Partners	EPD	0.4	20	19	22	23	22
EnLink Midstream Partners	ENLC	(0.7)	17	18	19	20	19
West Texas Gas	Private	(2.0)	17	19	18	18	17
MPLX LP	MPLX	(0.1)	17	17	17	19	24
Lucid	Private	1.9	16	15	15	12	13
Williams Partners	WMB	0.9	15	14	13	13	12
Western Gas Partners	WES	0.0	11	11	10	9.1	8.3
Veresen	VSN	1.9	9.3	7.4	4.0	3.9	5.0
ONEOK	OKE	(2.9)	8.7	12	12	11	10
Enable Midstream Partners	ENBL	0.0	7.6	7.6	8.1	8.9	10
Tourmaline	TOU	(0.4)	6.4	6.9	9.1	9.0	8.3
Keyera	KEY	(0.9)	6.4	7.3	6.9	8.1	8.6
Kinder Morgan	KMI	0.0	6.0	6.0	4.4	3.0	3.1
WPX Energy	WPX	0.0	5.0	5.0	3.4	3.0	2.9
Navitas Midstream	Private	1.3	4.4	3.1	4.4	6.1	6.9
1849 Energy Partners, LLC	Private	(1.3)	4.1	5.4	4.6	3.1	2.1
Eagle Claw	Private	0.0	4.0	4.0	2.6	2.0	3.6
Seven Generations Energy LTD.	Private	0.0	4.0	4.0	4.0	3.1	3.0
Northriver Minstream Inc	Private	(1.6)	4.0	5.6	5.3	6.0	4.3
EQT Midstream Partners	EQM	0.6	4.0	3.4	5.3	5.1	3.4
Pembina	PBA	0.3	3.9	3.6	3.0	2.4	2.3
Altagas	ALA	(1.0)	3.4	4.4	5.1	5.4	5.7
Blue Racer Midstream	Private	0.0	3.0	3.0	3.0	2.4	2.0
Crestwood Equity Partners	CEQP	(0.3)	3.0	3.3	5.0	6.0	5.3
QEP Resources, Inc.	Private	0.0	2.0	2.0	2.1	3.4	3.0
National Fuel Gas	NFG	0.0	2.0	2.0	2.0	2.1	3.0
Peyto Exploration & Development Corp	PEY	(0.7)	2.0	2.7	3.0	2.3	2.0



System Name	Rig Metrics						Well Metrics						
	Wkly Rig Chg	Average					Avg Drill Time	Avg IP Rate (Mcf/d)	Drilled				
		Nov 22	Nov 15	Nov 08	Nov 01	Oct 25			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25

Anadarko

Total Hor/Dir/Ver	(2.0)	22	24	20	19	19			10	8	10	10	5
Total Hor/Dir	0.3	14	14	13	13	13			1	5	7	4	4
DCP - Midcon	(0.4)	1.6	2.0	1.4	1.0	2.1	24	471	0	1	0	0	2
ENBL - Anadarko	0.7	2.7	2.0	2.0	2.0	3.0	29	2170	0	0	1	2	0
ENLC - COK	0.0	2.0	2.0	2.3	3.0	1.9	17	342	1	1	1	0	0
ET - Godley (Midcontinent)	0.0	1.0	1.0	1.0	1.0	1.0	63	-	0	0	1	0	0
MPLX - West OK	0.0	1.0	1.0	1.0	1.0	1.0	12	1791	0	1	1	0	1
OKE - Anadarko	0.0	1.0	1.0	1.0	1.0	1.0	17	426	0	0	1	0	0
Private - Blue Mountain	0.0	1.0	1.0	1.0	1.0	1.0	17	7604	0	1	0	1	0
Private - Mustang	0.0	1.0	1.0	1.0	1.0	0.1	4	-	0	0	0	0	0
Private - Woodford Express	0.0	1.0	1.0	1.0	1.0	1.0	35	20336	0	0	1	0	1
TRGP - South OK	0.0	2.0	2.0	1.7	1.0	1.0	24	5070	0	1	1	1	0

There are 22 more systems with little to no activity

ArkLaTex

Total Hor/Dir/Ver	(0.3)	42	42	42	43	41			12	15	17	17	12
Total Hor/Dir	(1.1)	39	40	40	40	38			12	14	15	16	10
DCP - Processing	0.9	0.9	0.0	0.3	0.0	0.0	12	7067	0	0	1	0	0
ENBL - Treating LA	0.0	4.0	4.0	4.0	4.0	4.0	25	26734	0	2	1	2	2
ENBL - TX Treating	(0.1)	0.9	1.0	1.0	1.0	1.0	17	17045	1	0	1	0	0
ENBL - Waskom/Panola	(0.6)	0.0	0.6	1.1	1.3	1.0	23	14684	0	1	0	1	0
EPD - Azure Treating	(0.1)	0.0	0.1	1.0	1.0	0.7	8	21877	0	0	1	1	0
EPD - Enterprise LA	(0.4)	1.1	1.6	2.0	2.4	3.3	24	19557	1	0	0	1	1
EPD - ETG Treating	0.3	3.0	2.7	2.0	2.0	2.0	25	19309	1	1	1	0	1
EPD - Fairplay Treating	(0.3)	3.0	3.3	4.0	3.1	2.3	24	-	2	2	1	0	0
EPD - Panola	0.1	3.0	2.9	2.3	2.0	2.0	25	15008	1	1	1	0	0
ET - Processing	(1.1)	0.3	1.4	2.1	1.6	0.9	31	19814	0	1	0	1	0
KMI - Kinderhawk Treating	0.0	4.0	4.0	2.4	1.0	1.7	18	14051	3	1	0	0	1
L - Gulf South Treating	0.0	1.0	1.0	0.0	0.0	0.0	-	-	0	0	0	0	0
MPLX - Processing	0.6	1.0	0.4	0.0	1.1	2.0	27	6590	0	0	0	2	0
Private - Aethon QEP	0.0	2.0	2.0	2.1	3.4	3.0	21	15540	0	1	2	1	0
Private - Align Midstream II	(0.3)	0.0	0.3	1.0	0.4	0.0	3	-	0	1	1	0	0
Private - Elevate Processing	0.0	2.0	2.0	2.0	2.0	2.0	21	-	1	0	0	2	0
Private - Gemini Carthage	(0.4)	5.3	5.7	4.7	5.0	3.6	18	18775	1	1	2	3	0
Private - Ibex Midstream	0.1	1.1	1.0	1.0	1.0	0.3	15	15445	0	0	0	0	0
Private - M5 Midstream Treating	0.0	3.0	3.0	3.0	4.4	5.0	27	20269	1	0	0	2	3
Private - Tanos Oakfield	(0.3)	0.0	0.3	0.9	0.4	0.1	6	-	0	0	1	0	0
WMB - Access	0.0	3.0	3.0	3.0	3.0	3.0	22	18194	0	2	2	0	2
XOM - Briggs - Treating	0.6	0.6	0.0	0.0	0.0	0.0	1	-	0	0	0	0	0

There are 28 more systems with little to no activity

Bakken

Total Hor/Dir/Ver	0.0	13	13	13	15	15			7	12	5	7	7
Total Hor/Dir	0.0	12	12	12	13	13			7	12	5	6	7
HESM - Tioga	0.6	1.0	0.4	0.1	1.0	1.0	10	1394	1	0	1	0	0
KMI - Bakken	0.0	1.0	1.0	1.0	1.0	0.4	8	909	1	0	0	0	0
MPLX - Robinson Lake	0.0	2.0	2.0	1.0	1.0	2.0	9	1073	2	2	0	1	1
OKE - Bakken	(0.6)	6.0	6.6	7.9	8.0	8.0	10	1350	1	10	3	5	4
TRGP - Badlands	0.0	2.0	2.0	2.0	2.0	2.0	9	1745	2	0	1	0	2

There are 18 more systems with little to no activity

Barnett

Total Hor/Dir/Ver	0.7	2.9	2.1	3.0	3.0	3.1			2	1	1	2	1
Total Hor/Dir	0.0	1.0	1.0	1.0	1.0	0.4			1	0	0	0	0
ENLC - Bridgeport Rich	0.0	1.0	1.0	1.0	1.0	0.4	26	-	1	0	0	0	0

There are 18 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				
		Nov 22	Nov 15	Nov 08	Nov 01	Oct 25			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25

Denver Julesburg

Total Hor/Dir/Ver	1.3	9.3	8.0	8.0	6.4	5.6			6	10	5	9	5
Total Hor/Dir	1.3	9.3	8.0	8.0	6.4	5.6			6	10	5	9	5
DCP - Denver Julesburg	(0.1)	3.4	3.6	4.0	3.3	3.0	3	1159	4	3	3	4	4
Private - AKA	(0.3)	0.1	0.4	0.0	0.0	0.0	-	-	0	1	0	0	0
Private - Outrigger II	0.0	1.0	1.0	1.0	1.0	1.0	3	584	0	3	0	2	0
Private - Rimrock	0.0	1.0	1.0	1.0	1.0	1.0	4	328	0	1	1	2	1
Private - Silo	0.9	0.9	0.0	0.0	0.0	0.0	6	112	0	0	0	0	0
WES - DJ	0.0	2.0	2.0	2.0	1.1	0.6	4	1392	2	2	1	1	0
WMB - Discovery	0.9	0.9	0.0	0.0	0.0	0.0	4	1314	0	0	0	0	0

There are 6 more systems with little to no activity

Powder River

Total Hor/Dir/Ver	0.3	5.0	4.7	3.3	3.0	3.9			2	1	0	2	1
Total Hor/Dir	0.3	5.0	4.7	3.3	2.9	1.9			2	1	0	1	0
NA - Unallocated	0.3	1.0	0.7	0.0	0.0	0.0	16	1129	0	0	0	0	0
OKE - Sage Creek	0.0	1.0	1.0	1.0	1.0	0.9	17	6893	1	0	0	0	0
Private - Evolution	0.0	1.0	1.0	0.3	0.0	0.0	11	1874	1	1	0	0	0
Private - Meritage	0.0	2.0	2.0	2.0	1.9	1.0	16	1954	0	0	0	1	0

There are 6 more systems with little to no activity

Eagle Ford

Total Hor/Dir/Ver	1.6	27	25	23	20	21			20	11	9	12	12
Total Hor/Dir	1.6	25	23	21	18	17			18	11	9	11	11
DCP - Eagle Ford	1.7	5.9	4.1	4.0	5.0	5.0	10	1934	4	4	0	2	4
EPD - Eagle Ford	0.3	4.7	4.4	4.3	4.0	4.3	9	783	7	1	1	3	4
ET - Eagle Ford	0.0	11	11	8.4	3.9	4.0	11	1723	6	4	3	4	2
NA - Unallocated	0.0	0.0	0.0	0.1	0.9	0.0	14	2032	0	0	0	0	0
Private - Dry	0.4	1.4	1.0	1.0	1.0	1.0	6	13129	0	1	3	1	0
Private - Howard	0.0	0.0	0.0	0.0	0.7	1.0	16	10895	0	0	0	1	0
Private - Navarro Dry	0.0	1.0	1.0	1.0	0.3	0.0	8	9302	0	1	0	0	0
TRGP - SNMP Raptor	(0.9)	0.1	1.0	1.0	0.7	0.0	15	871	1	0	1	0	0
WES - EGLFRD	0.0	1.0	1.0	1.1	2.0	1.7	11	3664	0	0	1	0	1

There are 10 more systems with little to no activity

Marcellus - NE PA

Total Hor/Dir/Ver	(0.7)	12	13	14	14	14			9	12	7	10	8
Total Hor/Dir	(0.7)	11	12	13	13	13			8	11	7	10	6
Dry Unallocated_NEPA	(0.4)	0.0	0.4	1.0	1.3	0.6	9	-	2	2	1	0	0
EQM - Pennsylvania_NEPA	(0.3)	0.0	0.3	1.0	0.6	0.4	9	11217	1	3	2	1	2
ET - Marcellus - NE PA	0.0	2.0	2.0	2.0	2.4	3.0	11	7781	1	1	0	2	1
NFG - Northeast	0.0	2.0	2.0	2.0	2.1	3.0	16	4130	1	1	1	1	1
Private - Alta	0.0	1.0	1.0	1.0	1.0	1.0	13	8422	0	0	1	0	1
WMB - Bradford Supply Hub	0.0	4.0	4.0	4.0	3.6	3.0	13	13330	2	2	0	3	0
WMB - Susquehanna Supply Hub	0.0	2.0	2.0	2.0	2.0	2.0	6	15041	1	1	1	3	0

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				
		Nov 22	Nov 15	Nov 08	Nov 01	Oct 25			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25
Marcellus+Utica													
Total Hor/Dir/Ver	0.0	21	21	22	20	20			12	13	10	8	9
Total Hor/Dir	(1.3)	19	20	21	19	18			11	12	10	8	8
D - Dominion	0.3	1.0	0.7	1.0	1.0	0.9	10	-	0	1	0	0	0
Dry Unallocated_UTICA	(1.0)	2.0	3.0	2.1	0.9	0.0	9	-	2	2	1	0	0
EQM - Pennsylvania_UTICA	0.9	3.0	2.1	3.3	3.6	2.0	9	11217	1	3	2	1	2
EQM - Strike Force/Poseidon	0.0	1.0	1.0	1.0	1.0	1.0	17	8759	0	0	0	0	0
MPLX - Bluestone_UTICA	0.0	0.0	0.0	0.7	1.0	0.3	10	5952	0	0	1	0	0
MPLX - Jefferson Gathering	0.0	0.0	0.0	0.4	1.0	1.0	11	15732	0	0	1	0	0
MPLX - Majorsville/Houston/Harmon Creek	(0.7)	3.0	3.7	3.4	3.4	4.4	10	18063	2	2	2	4	2
MPLX - Mobley_UTICA	0.0	0.0	0.0	0.0	0.1	1.7	13	-	0	0	0	0	1
MPLX - Sherwood	0.0	1.0	1.0	1.0	1.0	1.1	7	14432	1	2	1	0	1
MPLX - Utica	0.0	1.0	1.0	1.0	1.0	1.0	13	-	2	0	1	0	1
Private - Blue Racer	0.0	3.0	3.0	3.0	2.4	2.0	17	13587	0	0	0	1	0
SMLP - Utica	(0.7)	0.3	1.0	0.6	0.0	0.0	10	-	1	0	0	0	0
WMB - Laurel Mountain_UTICA	(0.7)	0.0	0.7	0.3	0.0	0.0	11	8210	0	1	0	0	0
WMB - Ohio Valley	0.0	1.0	1.0	1.0	1.0	1.0	12	21925	1	0	0	0	0
WMB - Utica East Ohio	0.7	2.7	2.0	2.0	2.0	2.0	10	3395	1	1	1	2	1

There are 8 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				
		Nov 22	Nov 15	Nov 08	Nov 01	Oct 25			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25

Permian

Total Hor/Dir/Ver	5.1	162	157	155	150	143			103	64	80	60	63
Total Hor/Dir	5.9	155	149	146	141	135			97	62	76	55	59
CEQP - Willow Lake	(0.3)	3.0	3.3	5.0	6.0	5.3	10	3004	5	2	6	1	1
CVX - Headlee	(0.3)	0.7	1.0	1.0	1.0	0.7	15	-	1	0	1	0	0
DCP - Delaware	1.4	13	12	9.1	9.3	9.6	14	2819	12	4	7	3	5
DCP - Midland	0.1	2.4	2.3	2.3	1.9	1.1	12	6392	1	1	2	0	1
ENLC - Delaware	0.0	2.0	2.0	2.0	2.0	2.1	15	2877	1	1	1	1	1
ENLC - Midland	(0.7)	12	13	14	14	15	12	919	10	6	8	6	7
EPD - Delaware	(0.1)	3.1	3.3	5.6	7.0	6.4	15	2881	2	0	4	0	1
ET - Delaware	(0.7)	6.3	7.0	6.9	6.1	5.0	17	3016	5	3	5	0	2
ET - Midland	(0.1)	6.7	6.9	6.1	4.0	3.7	12	1180	2	2	0	4	2
HES - Seminole	0.9	0.9	0.0	0.0	0.0	0.0	13	-	0	0	0	0	0
MPLX - Hidalgo	0.0	7.0	7.0	7.0	7.0	7.0	12	4277	2	4	6	1	0
Private - 3 Bear	0.0	1.0	1.0	1.0	1.0	1.0	15	258	1	1	0	0	1
Private - AKA Maljamar	0.3	1.0	0.7	0.0	0.0	0.0	22	497	0	0	0	0	0
Private - Brazos Midstream	0.0	2.0	2.0	2.0	2.0	2.0	18	1493	0	1	1	0	2
Private - Cogent Midland	0.4	1.4	1.0	1.0	0.0	0.0	12	1414	0	0	0	0	0
Private - Eagle Claw	0.0	4.0	4.0	2.6	2.0	2.7	16	2962	0	2	0	0	1
Private - Lucid Artesia	0.0	1.0	1.0	1.0	1.0	1.0	19	-	0	0	1	0	0
Private - Lucid S Carlsbad	1.4	14	13	13	11	12	14	3405	9	6	3	4	10
Private - Navitas	1.0	4.1	3.1	4.4	6.1	6.9	9	997	2	3	0	8	4
Private - Salt Creek	0.1	0.1	0.0	0.0	0.0	0.0	15	2187	0	0	0	0	0
Private - San Mateo Black River	0.0	3.0	3.0	3.0	3.0	3.0	19	3830	2	1	1	1	0
Private - Santa Fe	(0.9)	0.1	1.0	0.7	0.0	0.0	13	207	1	0	0	0	0
Private - Sendero Midstream	0.0	1.0	1.0	0.7	0.0	0.0	11	-	1	1	0	0	0
Private - Stakeholder	(0.3)	0.0	0.3	1.3	2.0	2.0	14	355	0	1	1	0	2
Private - Vaquero	0.6	0.6	0.0	0.0	0.0	0.0	16	3121	1	0	0	0	0
Private - WTG North Midland	(0.6)	15	15	15	16	16	12	850	9	9	9	5	7
Private - WTG South Midland	(0.4)	0.6	1.0	1.0	1.0	1.0	10	996	2	0	1	2	0
SMLP - Delaware	0.9	0.9	0.0	0.0	0.0	0.0	24	1359	0	0	0	0	0
TRGP - Delaware	0.4	5.4	5.0	6.6	6.4	6.0	18	1514	3	1	5	2	3
TRGP - Midland	0.7	4.0	3.3	1.7	0.4	0.0	11	602	4	3	0	0	0
TRGP - Versado	0.3	6.0	5.7	5.0	5.9	4.9	16	1363	5	1	1	4	1
TRGP - West Texas	1.7	21	20	18	18	14	11	1134	14	7	9	9	7
WES - DBM	0.0	6.0	6.0	5.3	4.0	4.0	15	4768	0	0	2	3	1
WPX - WPX/Howard	0.0	5.0	5.0	3.4	3.0	2.9	12	5693	2	2	2	1	0

There are 22 more systems with little to no activity

Uinta

Total Hor/Dir/Ver	0.0	3.0	3.0	3.0	3.0	3.0			2	1	2	1	0
Total Hor/Dir	0.0	3.0	3.0	3.0	3.0	3.0			2	1	2	1	0
MPLX - Uinta	0.0	1.0	1.0	1.0	1.0	1.0	6	247	1	1	2	0	0
WES - Chipeta	0.0	2.0	2.0	2.0	2.0	2.0	7	125	1	0	0	1	0

There are 9 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				
		Nov 22	Nov 15	Nov 08	Nov 01	Oct 25			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25
WCSB													
Total Hor/Dir/Ver	3.1	90	87	82	83	83			63	69	62	54	57
Total Hor/Dir	3.6	88	85	81	82	82			61	66	60	53	57
AAV - Advantage Oil & Gas	0.0	1.0	1.0	1.0	1.0	1.0	11	3443	1	0	1	0	1
ALA - Altagas	(1.0)	3.4	4.4	5.1	5.4	5.7	9	9	2	5	5	6	3
ARX - Arc Resources	(0.4)	1.6	2.0	2.0	1.6	2.0	7	4072	4	2	2	0	2
BIR - Birchcliff Energy	0.9	2.7	1.9	0.0	0.0	0.0	29	7713	0	2	0	0	0
BNP - Bonavista	1.4	2.6	1.1	0.0	0.0	0.0	10	4500	2	0	0	0	0
CNRL - Canadian Natural Resources	1.4	3.4	2.0	1.0	0.6	0.0	18	566	2	2	0	0	0
CR - Crew Energy	(0.3)	0.7	1.0	1.0	1.0	1.0	13	3578	1	1	0	1	0
ET - Energy Transfer CA	0.4	0.4	0.0	0.0	0.4	0.0	17	2020	0	0	0	1	2
KEY - Integrated Gathering	(1.6)	5.4	7.0	6.9	6.7	6.6	13	3816	2	5	3	4	2
KEY - North West	0.7	1.0	0.3	0.0	1.4	2.0	16	1388	0	0	0	2	0
NA - Unallocated	2.7	19	16	17	17	19	5	239	12	13	16	15	17
NVA - NuVista	(0.6)	0.0	0.6	0.0	0.6	1.0	10	2527	0	2	0	1	0
OVV - Ovintiv	(0.9)	0.1	1.0	1.0	1.7	0.9	12	2551	1	0	0	1	0
PBA - Cutbank	0.9	2.0	1.1	1.0	1.0	0.6	28	3586	1	1	0	0	0
PBA - Saturn	(0.3)	0.0	0.3	1.0	1.0	1.7	32	2680	0	1	2	0	2
PBA - Veresen Dawson	0.4	1.6	1.1	0.0	0.0	0.0	11	3849	1	0	0	0	0
PBA - Veresen Hythe	(0.7)	0.3	1.0	1.0	0.4	0.0	15	2054	0	1	0	0	0
PEA - Pieridae	0.9	1.9	1.0	2.0	2.0	0.9	31	2674	0	0	2	0	0
PEY - Peyto	(0.7)	2.0	2.7	3.0	2.3	2.0	14	3090	1	2	2	1	1
PNE - Pine Cliff	0.0	1.0	1.0	2.4	2.0	2.0	4	732	2	2	6	2	2
Private - Accel	(0.6)	1.4	2.0	2.0	1.4	1.0	12	-	1	1	1	0	1
Private - Black Swan	0.7	0.7	0.0	0.0	0.0	0.9	31	5928	0	0	0	0	1
Private - Husky	(0.3)	0.0	0.3	0.6	1.0	1.0	4	11467	1	0	0	1	1
Private - Modern Resources	0.0	0.0	0.0	0.0	0.0	0.3	13	853	0	0	0	0	0
Private - North Bakken	(0.7)	4.4	5.1	5.1	5.3	6.9	6	104	5	6	3	5	7
Private - NorthRiver Ft St John	(1.6)	4.0	5.6	5.3	6.0	4.3	11	5127	7	5	3	2	2
Private - Pacific Canbriam	0.0	1.0	1.0	1.0	1.0	1.0	24	5200	0	1	0	0	1
Private - Petronas Canada	0.7	1.7	1.0	0.9	0.0	0.0	6	5005	1	1	3	0	0
Private - Strath	0.0	1.0	1.0	1.0	1.0	1.0	23	4449	1	0	0	0	0
Private - Velvet Energy	1.0	1.0	0.0	0.0	0.0	0.0	17	2743	0	0	0	0	0
PRMPF - Paramount	0.0	1.0	1.0	0.4	1.0	1.0	9	531	2	1	0	0	2
PRQ - Petrus	0.0	0.0	0.0	0.1	1.0	1.0	14	4236	0	0	0	0	2
REPLY - Repsol	(0.4)	0.0	0.4	1.0	1.0	1.0	10	1021	0	0	0	1	0
SVRGF - Seven Gen	0.0	4.0	4.0	4.0	3.1	3.0	32	4011	2	2	0	1	1
TOU - Tourmaline	(0.4)	6.4	6.9	9.1	9.0	8.3	13	5454	6	7	8	5	4
TWM - Tidewater Midstream	0.0	2.0	2.0	1.4	1.0	0.1	13	3754	0	0	1	0	0
VSN - Alliance Pipeline	1.9	9.3	7.4	4.0	3.9	5.0	8	8	3	3	2	4	3

There are 34 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				
			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25

DCP Midstream

Total Hor/Dir/Ver		3.4	29	26	23	22	23			23	13	15	10	18
Total Hor/Dir		3.6	27	24	21	20	21			21	13	13	9	16
DCP - Midcon	Anadarko	(0.4)	1.6	2.0	1.4	1.0	2.1	24	471	0	1	0	0	2
DCP - Processing	ArkLaTex	0.9	0.9	0.0	0.3	0.0	0.0	12	7067	0	0	1	0	0
DCP - Denver Julesburg	Denver Julesburg	(0.1)	3.4	3.6	4.0	3.3	3.0	3	1159	4	3	3	4	4
DCP - Eagle Ford	Eagle Ford	1.7	5.9	4.1	4.0	5.0	5.0	10	1934	4	4	0	2	4
DCP - Delaware	Permian	1.4	13	12	9.1	9.3	9.6	14	2819	12	4	7	3	5
DCP - Midland	Permian	0.1	2.4	2.3	2.3	1.9	1.1	12	6392	1	1	2	0	1

There are 0 more systems with little to no activity

Enable Midstream Partners

Total Hor/Dir/Ver		0.0	7.6	7.6	8.1	8.9	10.0			1	3	3	5	3
Total Hor/Dir		0.0	7.6	7.6	8.1	8.3	9.0			1	3	3	5	2
ENBL - Anadarko	Anadarko	0.7	2.7	2.0	2.0	2.0	3.0	29	2170	0	0	1	2	0
ENBL - Treating LA	ArkLaTex	0.0	4.0	4.0	4.0	4.0	4.0	25	26734	0	2	1	2	2
ENBL - TX Treating	ArkLaTex	(0.1)	0.9	1.0	1.0	1.0	1.0	17	17045	1	0	1	0	0
ENBL - Waskom/Panola	ArkLaTex	(0.6)	0.0	0.6	1.1	1.3	1.0	23	14684	0	1	0	1	0

There are 2 more systems with little to no activity

Energy Transfer LP

Total Hor/Dir/Ver		(1.3)	32	33	30	23	22			16	11	9	14	9
Total Hor/Dir		(1.6)	27	29	27	19	18			14	11	9	12	9
ET - Godley (Midcontinent)	Anadarko	0.0	1.0	1.0	1.0	1.0	1.0	63	-	0	0	1	0	0
ET - Processing	ArkLaTex	(1.1)	0.3	1.4	2.1	1.6	0.9	31	19814	0	1	0	1	0
ET - Eagle Ford	Eagle Ford	0.0	11	11	8.4	3.9	4.0	11	1723	6	4	3	4	2
ET - Marcellus - NE PA	Marcellus - NE PA	0.0	2.0	2.0	2.0	2.4	3.0	11	7781	1	1	0	2	1
ET - Delaware	Permian	(0.7)	6.3	7.0	6.9	6.1	5.0	17	3016	5	3	5	0	2
ET - Midland	Permian	(0.1)	6.7	6.9	6.1	4.0	3.7	12	1180	2	2	0	4	2
ET - Energy Transfer CA	WCSB	0.4	0.4	0.0	0.0	0.4	0.0	17	2020	0	0	0	1	2

There are 4 more systems with little to no activity

EnLink Midstream Partners

Total Hor/Dir/Ver		(0.7)	17	18	19	20	19			13	8	10	7	8
Total Hor/Dir		(0.7)	17	18	19	20	19			13	8	10	7	8
ENLC - COK	Anadarko	0.0	2.0	2.0	2.3	3.0	1.9	17	342	1	1	1	0	0
ENLC - Bridgeport Rich	Barnett	0.0	1.0	1.0	1.0	1.0	0.4	26	-	1	0	0	0	0
ENLC - Delaware	Permian	0.0	2.0	2.0	2.0	2.0	2.1	15	2877	1	1	1	1	1
ENLC - Midland	Permian	(0.7)	12	13	14	14	15	12	919	10	6	8	6	7

There are 5 more systems with little to no activity

Enterprise Product Partners

Total Hor/Dir/Ver		0.4	20	19	22	23	22			14	5	9	6	7
Total Hor/Dir		0.4	20	19	22	23	22			14	5	9	6	7
EPD - Azure Treating	ArkLaTex	(0.1)	0.0	0.1	1.0	1.0	0.7	8	21877	0	0	1	1	0
EPD - Enterprise LA	ArkLaTex	(0.4)	1.1	1.6	2.0	2.4	3.3	24	19557	1	0	0	1	1
EPD - ETG Treating	ArkLaTex	0.3	3.0	2.7	2.0	2.0	2.0	25	19309	1	1	1	0	1
EPD - Fairplay Treating	ArkLaTex	(0.3)	3.0	3.3	4.0	3.1	2.3	24	-	2	2	1	0	0
EPD - Panola	ArkLaTex	0.1	3.0	2.9	2.3	2.0	2.0	25	15008	1	1	1	0	0
EPD - Eagle Ford	Eagle Ford	0.3	4.7	4.4	4.3	4.0	4.3	9	783	7	1	1	3	4
EPD - Pioneer	Green River	0.0	1.0	1.0	1.0	1.0	1.0	14	5883	0	0	0	1	0
EPD - Delaware	Permian	(0.1)	3.1	3.3	5.6	7.0	6.4	15	2881	2	0	4	0	1
EPD - Meeker	Piceance	0.7	0.7	0.0	0.0	0.0	0.0	6	2948	0	0	0	0	0

There are 4 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				
			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25			Nov 22	Nov 15	Nov 08	Nov 01	Oct 25

Kinder Morgan

Total Hor/Dir/Ver		0.0	6.0	6.0	4.4	3.0	3.1			5	2	0	1	2
Total Hor/Dir		0.0	5.0	5.0	3.4	2.0	2.1			4	1	0	0	1
KMI - Kinderhawk Treating	ArkLaTex	0.0	4.0	4.0	2.4	1.0	1.7	18	14051	3	1	0	0	1
KMI - Bakken	Bakken	0.0	1.0	1.0	1.0	1.0	0.4	8	909	1	0	0	0	0

There are 12 more systems with little to no activity

MPLX LP

Total Hor/Dir/Ver		(0.1)	17	17	17	19	24			10	12	16	9	8
Total Hor/Dir		(0.1)	17	17	17	19	23			10	12	16	8	8
MPLX - West OK	Anadarko	0.0	1.0	1.0	1.0	1.0	1.0	12	1791	0	1	1	0	1
MPLX - Processing	ArkLaTex	0.6	1.0	0.4	0.0	1.1	2.0	27	6590	0	0	0	2	0
MPLX - Robinson Lake	Bakken	0.0	2.0	2.0	1.0	1.0	2.0	9	1073	2	2	0	1	1
MPLX - Bluestone_UTICA	Marcellus+Utica	0.0	0.0	0.0	0.7	1.0	0.3	10	5952	0	0	1	0	0
MPLX - Jefferson Gathering	Marcellus+Utica	0.0	0.0	0.0	0.4	1.0	1.0	11	15732	0	0	1	0	0
MPLX - Majorsville/Houston/Harmon Creek	Marcellus+Utica	(0.7)	3.0	3.7	3.4	3.4	4.4	10	18063	2	2	2	4	2
MPLX - Mobley_UTICA	Marcellus+Utica	0.0	0.0	0.0	0.0	0.1	1.7	13	-	0	0	0	0	1
MPLX - Sherwood	Marcellus+Utica	0.0	1.0	1.0	1.0	1.0	1.1	7	14432	1	2	1	0	1
MPLX - Utica	Marcellus+Utica	0.0	1.0	1.0	1.0	1.0	1.0	13	-	2	0	1	0	1
MPLX - Hidalgo	Permian	0.0	7.0	7.0	7.0	7.0	7.0	12	4277	2	4	6	1	0
MPLX - Uinta	Uinta	0.0	1.0	1.0	1.0	1.0	1.0	6	247	1	1	2	0	0

There are 8 more systems with little to no activity

ONEOK

Total Hor/Dir/Ver		(2.9)	8.7	12	12	11	10			5	11	5	5	4
Total Hor/Dir		(0.6)	8.0	8.6	9.9	10.0	9.9			2	10	4	5	4
OKE - Anadarko	Anadarko	0.0	1.0	1.0	1.0	1.0	1.0	17	426	0	0	1	0	0
OKE - Bakken	Bakken	(0.6)	6.0	6.6	7.9	8.0	8.0	10	1350	1	10	3	5	4
OKE - Sage Creek	Powder River	0.0	1.0	1.0	1.0	1.0	0.9	17	6893	1	0	0	0	0

There are 1 more systems with little to no activity

Pembina

Total Hor/Dir/Ver		0.3	3.9	3.6	3.0	2.4	2.3			2	3	2	0	2
Total Hor/Dir		0.3	3.9	3.6	3.0	2.4	2.3			2	3	2	0	2
PBA - Cutbank	WCSB	0.9	2.0	1.1	1.0	1.0	0.6	28	3586	1	1	0	0	0
PBA - Saturn	WCSB	(0.3)	0.0	0.3	1.0	1.0	1.7	32	2680	0	1	2	0	2
PBA - Veresen Dawson	WCSB	0.4	1.6	1.1	0.0	0.0	0.0	11	3849	1	0	0	0	0
PBA - Veresen Hythe	WCSB	(0.7)	0.3	1.0	1.0	0.4	0.0	15	2054	0	1	0	0	0

There are 3 more systems with little to no activity

Targa Resources

Total Hor/Dir/Ver		1.9	43	41	40	38	32			31	14	20	20	13
Total Hor/Dir		2.3	41	39	36	34	28			29	13	18	16	13
TRGP - South OK	Anadarko	0.0	2.0	2.0	1.7	1.0	1.0	24	5070	0	1	1	1	0
TRGP - Badlands	Bakken	0.0	2.0	2.0	2.0	2.0	2.0	9	1745	2	0	1	0	2
TRGP - SNMP Raptor	Eagle Ford	(0.9)	0.1	1.0	1.0	0.7	0.0	15	871	1	0	1	0	0
TRGP - Delaware	Permian	0.4	5.4	5.0	6.6	6.4	6.0	18	1514	3	1	5	2	3
TRGP - Midland	Permian	0.7	4.0	3.3	1.7	0.4	0.0	11	602	4	3	0	0	0
TRGP - Versado	Permian	0.3	6.0	5.7	5.0	5.9	4.9	16	1363	5	1	1	4	1
TRGP - West Texas	Permian	1.7	21	20	18	18	14	11	1134	14	7	9	9	7

There are 3 more systems with little to no activity

West Texas Gas

Total Hor/Dir/Ver		(2.0)	17	19	18	18	17			14	9	10	7	7
Total Hor/Dir		(1.0)	15	16	16	17	17			11	9	10	7	7
Private - WTG North Midland	Permian	(0.6)	15	15	15	16	16	12	850	9	9	9	5	7
Private - WTG South Midland	Permian	(0.4)	0.6	1.0	1.0	1.0	1.0	10	996	2	0	1	2	0

There are 1 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				
			Nov 22	Nov 15	Nov 08	Nov 01			Oct 25	Nov 22	Nov 15	Nov 08	Nov 01

Western Gas Partners

Total Hor/Dir/Ver		0.0	11	11	10	9.1	8.3			3	2	4	5	2
Total Hor/Dir		0.0	11	11	10	9.1	8.3			3	2	4	5	2
WES - DJ	Denver Julesburg	0.0	2.0	2.0	2.0	1.1	0.6	4	1392	2	2	1	1	0
WES - EGLFRD	Eagle Ford	0.0	1.0	1.0	1.1	2.0	1.7	11	3664	0	0	1	0	1
WES - DBM	Permian	0.0	6.0	6.0	5.3	4.0	4.0	15	4768	0	0	2	3	1
WES - Chipeta	Uinta	0.0	2.0	2.0	2.0	2.0	2.0	7	125	1	0	0	1	0

There are 5 more systems with little to no activity

Williams Partners

Total Hor/Dir/Ver		0.9	15	14	13	13	12			5	9	6	9	4
Total Hor/Dir		0.9	15	14	13	13	12			5	9	6	9	4
WMB - Access	ArkLaTex	0.0	3.0	3.0	3.0	3.0	3.0	22	18194	0	2	2	0	2
WMB - Discovery	Denver Julesburg	0.9	0.9	0.0	0.0	0.0	0.0	4	1314	0	0	0	0	0
WMB - Bradford Supply Hub	Marcellus - NE PA	0.0	4.0	4.0	4.0	3.6	3.0	13	13330	2	2	0	3	0
WMB - Susquehanna Supply Hub	Marcellus - NE PA	0.0	2.0	2.0	2.0	2.0	2.0	6	15041	1	1	1	3	0
WMB - Laurel Mountain_UTICA	Marcellus+Utica	(0.7)	0.0	0.7	0.3	0.0	0.0	11	8210	0	1	0	0	0
WMB - Ohio Valley	Marcellus+Utica	0.0	1.0	1.0	1.0	1.0	1.0	12	21925	1	0	0	0	0
WMB - Utica East Ohio	Marcellus+Utica	0.7	2.7	2.0	2.0	2.0	2.0	10	3395	1	1	1	2	1
WMB - Parachute	Piceance	0.0	1.0	1.0	1.0	1.0	1.0	4	1509	0	1	2	1	1

There are 5 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

EAST DALEY CAPITAL (THE "COMPANY") IS NOT AN INVESTMENT ADVISOR. THE COMPANY DOES NOT PROVIDE INVESTMENT, FINANCIAL, TAX, OR OTHER ADVICE, NOR DOES THE COMPANY OPERATE AS A BROKER-DEALER. THE COMPANY DOES NOT RECOMMEND THE PURCHASE OR SALE OF ANY PARTICULAR SECURITIES.

TERMS OF USE: THIS REPORT IS INTENDED SOLELY FOR THE INFORMATION AND USE OF CLIENTS OF EAST DALEY CAPITAL ADVISORS AND IS NOT INTENDED TO BE AND SHOULD NOT BE USED BY OR DISCLOSED IN ANY MANNER TO ANYONE OTHER THAN THE SPECIFIED PARTIES. DISCLOSURE OR REDISTRIBUTION OF DATA, INFORMATION OR REPORTS PROVIDED BY EAST DALEY CAPITAL ADVISORS, IN WHOLE OR IN PART, TO ANY PERSON OR ENTITY OTHER THAN AN AFFILIATE SPECIFICALLY DESIGNATED AS A PERMITTED USER IN THE AGREEMENT IS STRICTLY PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF EAST DALEY CAPITAL ADVISORS.

DISCLAIMER: THIS REPORT IS FURNISHED ON AN "AS IS" BASIS. EAST DALEY CAPITAL ADVISORS DOES NOT WARRANT THE ACCURACY OR CORRECTNESS OF THE REPORT OR THE INFORMATION CONTAINED THEREIN. EAST DALEY CAPITAL ADVISORS MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE USE OF ANY INFORMATION CONTAINED IN THIS REPORT IN CONNECTION WITH THE RATING OF COMMODITIES, EQUITIES, FUTURES, OPTIONS OR ANY OTHER USE. EAST DALEY CAPITAL ADVISORS MAKES NO EXPRESS OR IMPLIED WARRANTIES AND EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

THIS REPORT AND THE INFORMATION AND ANALYSIS INCLUDED HEREIN DO NOT CONSTITUTE INVESTMENT ADVICE OR A RECOMMENDATION TO ENTER INTO ANY SECURITIES TRANSACTION. EACH CUSTOMER MUST MAKE ITS OWN DETERMINATION AS TO WHETHER AN INVESTMENT IS APPROPRIATE FOR THAT CUSTOMER BASED UPON ITS OWN INVESTMENT OBJECTIVES, RISK TOLERANCE, FINANCIAL SITUATION AND OTHER INDIVIDUAL FACTS AND CIRCUMSTANCES. EAST DALEY CAPITAL IS NOT RECOMMENDING OR ENDORSING ANY SPECIFIC SECURITY OR INVESTMENT STRATEGY. EACH CUSTOMER SHOULD CONDUCT RESEARCH AND PERFORM A THOROUGH INVESTIGATION AS TO THE CHARACTERISTICS OF ANY SECURITIES THAT IT INTENDS TO PURCHASE.

RELEASE AND LIMITATION OF LIABILITY: IN NO EVENT SHALL EAST DALEY CAPITAL ADVISORS BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFIT) ARISING OUT OF OR RELATED TO THE ACCURACY OR CORRECTNESS OF THIS REPORT OR THE INFORMATION CONTAINED THEREIN, EITHER BASED ON WARRANTY, CONTRACT, TORT OR ANY OTHER LEGAL THEORY.