Updated 6/11/19 Natural Gas Pipeline 2019 Pipeline Outage and Maintenance Summary

This is a summary of the current status of all NGPL 2019 Pipeline Outages and Maintenance Projects. This document is subject to change as the season progresses to reflect the updated status of all outages and maintenance projects including, but not limited to, project delays, cancellations and additions. Additionally, anticipated impact and restrictions are subject to change. *Unless otherwise noted, all listed meters will be physically shut-in for the duration of the project.

*Unless otherwise noted, all scheduled dates represent gas days as defined in the Natural Gas Pipeline tariff to mean a period of twenty-four consecutive hours, beginning and ending at 9:00 a.m. (Central Clock Time).

*** Indicates revision

Revised	Start Date	End Date	Reason Changed	Prev. Start Date	Prev. End Date	Segment	Line	Compressor Station(s)	Unit/Location	Description	Scheduling Location	Transport Impact	Storage Impact	Pool Location	Pipeline System
***	4/5/19	6/22/19	Date Change		6/05/19	2	OE #1	156/801		Remediation Work - See latest Force Majeure Posting on Natural's EBB	MLV 801-2	No eastbound flow through constraint. Transportation from Available points will flow westbound only.	Transports from Amarillo pooling points and storage points will be impacted by this outage if the transports are pathed eastbound through the constraint.	Midcontinent: West of Constraint	АМ
***	4/30/19	6/14/19				13	AM #2	108/109		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			AM
***	5/31/19	6/7/19	Completed			28	GC #3	310		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			GC
***	6/1/19	6/22/19	Date Change		6/30/19	15		801		Force Majeure - CS 801 - See latest Force Majeure Posting on Natural's EBB	MLV 801-2	There are no additional impacts to Shippers at this time.			AM
***	6/4/19	6/8/19	Completed			15	AG #1	801		Hot Tap Installation		No Impact		TEXOK A/G: East of constraint	GC
***	6/7/19	6/14/19	Date Change		6/11/19	31		113		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			MARKET
***	6/10/19	6/15/19	Date Change		6/19/19	11	AM #3	103/104		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			AM
***	6/10/19	7/1/19				13	AM #3	107/108		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			AM
***	6/11/19	6/28/19	Added			26	GC #3	304/303		ILI Tool Runs	CS 302	Natural will schedule Primary only southbound into Segments 25 and 22. AOR/ITS and Secondary out- of-path Firm transports are not available.		TEXOX G/C: North of constraint	GC
	6/11/19	6/12/19	LOC Available: 49828			26	GC #3	304/303	903690, 39648, 40691, 42741, 900955, 3647, 47575, 46389, 45310	ILI Tool Run	CS 302	The receipt points, as indicated, are unavailable. No transport services are available. Natural will schedule Primary only southbound into Segments 25 and 22. AOR/ITS and Secondary out-of-path Firm transports are not available.		TEXOX G/C: North of constraint	GC
	6/11/19	6/11/19				6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East of Constraint	AM
	6/11/19	6/11/19				6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East of Constraint	AM
***	6/12/19	6/12/19				11	AM #3	105/106		ILI Tool Run	CS 106	Primary/SIP Firm transports scheduled to no less than 43% of contract MDQ through CS 106. AOR/ITS and Secondary out-of- path Firm transports are not available.	Transports associated with storage injections will be impacted.	Midcontinent: South of Constraint	АМ
***	6/12/19	6/12/19	Cancelled			35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET

Revised	Start Date	End Date	Reason Changed	Prev. Start Date	Prev. End Date	Segment	Line	Compressor Station(s)	Unit/Location	Description	Scheduling Location	Transport Impact	Storage Impact	Pool Location	Pipeline System
	6/13/19	6/14/19	LOC Available: 49828			26	GC #3	304/303	903690, 39648, 40691, 42741, 900955, 3647, 47575, 46389, 45310	ILI Tool Run	CS 302	The receipt points, as indicated, are unavailable. No transport services are available. Natural will schedule Primary only southbound into Segments 25 and 22. AOR/ITS and Secondary out-of-path Firm transports are not available.		TEXOX G/C: North of constraint	GC
***	6/15/19	6/22/19				30	Howard Street	113		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			MARKET
***	6/16/19	6/19/19	Cancelled			26		303		Unit Maintenance	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.		TEXOX G/C: North of constraint	GC
***	6/17/19	6/22/19	Date Change		6/21/19	12	AM #4	196		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			AM
	6/17/19	6/21/19				8	Perm #1	168		Unit Maintenance	CS 168	AOR/ITS and Secondary out-of- path Firm transports will not be available.		Permian: South of Constraint	AM
***	6/17/19	6/18/19	Cancelled			26	GC #3	304/303	903690, 39648, 40691, 42741, 900955, 3647, 47575, 46389, 45310	ILI Tool Run	CS 302	The receipt points, as indicated, are unavailable. No transport services are available. Natural will schedule Primary only southbound into Segments 25 and 22. AOR/ITS and Secondary out-of-path Firm transports are not available.		TEXOX G/C: North of constraint	GC
***	6/17/19	6/21/19	Date Change	6/23/19	6/27/19	13	AM #4	108		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			АМ
***	6/18/19	6/24/19	Date Change	7/10/19	7/20/19	30	West Chicago Lateral	113		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			MARKET
***	6/18/19	6/18/19				22		301		Station 301 ESD Test	CS 302	Primary/SIP Firm transports scheduled to no less than 70% of contract MDQ through CS 302. AOR/ITS and Secondary out-of- path Firm transports are not available.	Transports associated with Storage will be impacted.	SOUTH TX: South of constraint	GC
	6/18/19	6/19/19	LOC Available: 49828			26	GC #3	304/303	903690, 39648, 40691, 42741, 900955, 3647, 47575, 46389, 45310	ILI Tool Run	CS 302	The receipt points, as indicated, are unavailable. No transport services are available. Natural will schedule Primary only southbound into Segments 25 and 22. AOR/ITS and Secondary out-of-path Firm transports are not available.		TEXOX G/C: North of constraint	GC
***	6/18/19	6/18/19	Cancelled			35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET
***	6/19/19	6/22/19	Cancelled			26		303		Unit Maintenance	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.		TEXOX G/C: North of constraint	GC
***	6/19/19	6/26/19	Date Change	6/13/19	6/21/19	2	OE #1	801	901458 DCP Chitwood	Install Launcher and Receiver	LOC 901458 DCP Chitwood	LOC 901458 DCP Chitwood is unavailable. No transport services will be scheduled.		Midcontinent: West of Constraint LOC	AM
***	6/20/19	6/20/19	Cancelled			35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET

Revised	Start Date	End Date	Reason Changed	Prev. Start Date	Prev. End Date	Segment	Line	Compressor Station(s)	Unit/Location	Description	Scheduling Location	Transport Impact	Storage Impact Pool Location	Pipeline System
***	6/24/19	7/9/19				35	GC #3	201		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		MARKET
	6/25/19	6/25/19				22	GC #2	302/301		ILI Tool Run	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.	SOUTH TX: South of constraint	GC
	6/27/19	6/28/19	LOC Available: 49828			26	GC #3	304/303	903690, 39648, 40691, 42741, 900955, 3647, 47575, 46389, 45310	ILI Tool Run	CS 302	The receipt points, as indicated, are unavailable. No transport services are available. Natural will schedule Primary only southbound into Segments 25 and 22. AOR/ITS and Secondary out-of-path Firm transports are not available.	TEXOX G/C: North of constraint	GC
	6/27/19	6/27/19				40	VOLO #2	113		ILI Tool Run		No anticipated impact		MARKET
	6/27/19	6/27/19				22	GC #2	302/301		ILI Tool Run	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.	SOUTH TX: South of constraint	GC
	7/1/19	9/1/19				40	VOLO #1	113		Pipeline Integrity		No anticipated impact		MARKET
	7/1/19	9/1/19				40	VOLO #2	113		Pipeline Integrity		No anticipated impact		MARKET
	7/2/19	7/2/19				22	GC #2	302/301		ILI Tool Run	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.	SOUTH TX: South of constraint	GC
***	7/8/19	7/27/19				14	AM #3	109/199		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		AM
***	7/9/19	7/30/19				26	GC #2	303/302		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		GC
***	7/9/19	7/24/19				25	LA #1	302/343		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		GC
	7/9/19	7/9/19				22	GC #2	302/301		ILI Tool Run	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.	SOUTH TX: South of constraint	GC
	7/9/19	7/9/19				14	AM #3	110/113		ILI Tool Run		No anticipated impact		MARKET
***	7/11/19	7/11/19				23	LA #1	342		ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: EAST of constraint	GC
	7/11/19	7/11/19				22	GC #2	302/301		ILI Tool Run	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.	SOUTH TX: South of constraint	GC
	7/11/19	7/11/19				14	AM #3	110/113		ILI Tool Run		No anticipated impact		MARKET
**	7/12/19	7/12/19				23	LA #1	342		ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: East of constraint	GC
***	7/15/19	7/15/19				23	LA #1	342		ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: East of constraint	GC
***	7/16/19	7/16/19	Added			6	OE #1	156		ILI Tool Run		No anticipated impact		AM
	7/16/19	7/18/19				9	Perm #1	167		Hot Tap Installation	TBD if Needed	All transport services are at risk of not being fully scheduled for northbound and southbound flow.	Permian: South of Constraint	AM
***	7/16/19	7/16/19				23	LA #1	342		ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: East of constraint	GC

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***	7/17/19	7/17/19				23	LA #1	342	ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: East of constraint	GC
	7/17/19	7/17/19				14	AM #3	110/113	ILI Tool Run		No anticipated impact		MARKET
***	7/18/19	7/18/19				23	LA #1	342	ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: East of constraint	GC
***	7/19/19	7/19/19				23	LA #1	342	ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: East of constraint	GC
***	7/22/19	7/22/19				23	LA #1	342	ILI Tool Run	CS 342	AOR/ITS and Secondary out-of- path Firm transports will not be available.	LA: East of constraint	GC
	7/22/19	7/22/19				11	AM #2	105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
	7/23/19	7/23/19				11	AM #2	105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
	7/24/19	7/24/19				11	AM #2	105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
	7/29/19	7/29/19				11	AM #2	104/105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
***	7/30/19	8/3/19				27	GC #3	306	Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		GC
	7/30/19	7/30/19				11	AM #2	104/105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
	7/30/19	7/30/19				11	AM #2	105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
***	7/31/19	10/2/19				11	AM #2	104	Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		AM
	7/31/19	7/31/19				11	AM #2	104/105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
***	8/1/19	9/30/19				25	LA #1	343	Pipeline Maintenance	CS 343	AOR/ITS and Secondary out-of- path Firm transports will not be available.	TXOK G/C: West of constraint	GC
***	8/1/19	9/30/19				25	LA #2	343	Pipeline Maintenance	CS 343	AOR/ITS and Secondary out-of- path Firm transports will not be available.	TXOK G/C: West of constraint	GC
	8/2/19	8/2/19				11	AM #2	104/105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
	8/5/19	8/5/19				11	AM #2	104/105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
	8/6/19	8/6/19				6	OE #2	154	ILI Tool Run	LOC 905570 ONEOKWES CARSON	LOC 905570 Oneokwes Carson is unavailable. No transport services will be scheduled.	Midcontinent: East of Constraint	AM
	8/6/19	8/6/19				6	OE #2	154	ILI Tool Run		No anticipated impact	Midcontinent: East of Constraint	AM
***	8/6/19	8/30/19				27	GC #1	307	Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		GC
	8/6/19	8/6/19				11	AM #2	104/105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
***	8/6/19	8/30/19				27	GC #1	307	Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.		GC
	8/7/19	8/7/19				11	AM #2	104/105	ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM

Revised	Start Date	End Date	Reason Changed	Prev. Start Date	Prev. End Date	Segment	Line	Compressor Station(s)	Unit/Location	Description	Scheduling Location	Transport Impact	Storage Impact	Pool Location	Pipeline System
	8/8/19	8/8/19				6	OE #2	154		ILI Tool Run	LOC 905570 ONEOKWES CARSON	LOC 905570 Oneokwes Carson is unavailable. No transport services will be scheduled.		Midcontinent: East of Constraint	AM
	8/8/19	8/8/19				6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East of Constraint	AM
	8/9/19	8/9/19				11	AM #2	104/105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	AM
	8/12/19	8/31/19				13	AM #2	107		Install Launcher and Receiver		No anticipated impact		Amarillo M/L: West of Constraint	AM
***	8/12/19	8/30/19				26	GC #1	303		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			GC
***	8/12/19	8/30/19				26	GC #2	303		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			GC
	8/13/19	8/22/19				22			LOC 908197	ILI Tool Run	LOC 908197 Enstor Katy	Unavailable: LOC 908197 Enstor Katy. No transport services will be available		SOUTH TX: South of constraint	GC
	8/13/19	8/13/19				11	AM #2	105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	AM
	8/16/19	8/16/19				11	AM #2	105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	AM
***	8/19/19	8/30/19				22	GC #2	301/300		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			GC
	9/6/19	9/6/19				30		133		ILI Tool Run		No anticipated impact			MARKET
	9/9/19	9/13/19				13	AM #4	107		Pipeline Maintenance		No anticipated impact		Amarillo M/L: West of Constraint	AM
	9/16/19	10/4/19				13	AM #2	107/108		Install Launcher and Receiver		No Impact		Amarillo M/L: East of Constraint	AM
***	10/1/19	10/1/19				8	Perm #1	167/168		ILI Tool Run	CS 167	Primary/SIP Firm transports scheduled to no less than 27% of contract MDQ through CS 167. AOR/ITS and Secondary out-of- path Firm transports are not available.	Transports associated with Storage will be impacted.	Permian: South of Constraint	AM
***	10/1/19	10/3/19				27	GC #2	309		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			GC
	10/15/19	10/15/19				6	OE #2	154		ILI Tool Run	LOC 905570 ONEOKWES CARSON	LOC 905570 Oneokwes Carson is unavailable. No transport services will be scheduled.		Midcontinent: East of Constraint	AM
	10/15/19	10/15/19				6	OE #2	154		ILI Tool Run	LOC 905570 ONEOKWES CARSON	LOC 905570 Oneokwes Carson is unavailable. No transport services will be scheduled.		Midcontinent: East of Constraint	AM
***	11/20/19	11/21/19				11	AM #3	104/105		ILI Tool Run	CS 104	Primary/SIP Firm transports scheduled to no less than 38% of contract MDQ through CS 104. AOR/ITS and Secondary out-of- path Firm transports are not available.	Transports associated with Storage will be impacted.	Midcontinent: South of Constraint	AM