Updated 6/10/19

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

*** Indicate	es revision	1		1		1	ı	T	Г			T	T	T	
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	Until Further Notice				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. Unavailable points cannot flow eastbound or westbound.	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 transpost services are at risk of not being fully scheduled.	Constitution	Amarillo M/L: West of Constraint	АМ
***	5/7/19	6/30/19	Completed			8		168		Mechanical Repairs	CS 168	AOR/ITS and Secondary out-of- path Firm transports will not be available.		Permian: South of Constraint	AM
	5/31/19	6/7/19				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	6/2/19	Completed			15	AG #1	801		Hot Tap Installation		No Impact		TEXOK A/G: East of constraint	GC
	6/1/19	Until Further Notice				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	Date Change		6/06/19	15	AG #1	801		Hot Tap Installation		No Impact		TEXOK A/G: East of constraint	GC
***	6/4/19	6/4/19	Completed			11	AM #3	105/106		ILI Tool Run	CS 106	Primary/SIP scheduled to minimum of 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
***	6/4/19	6/4/19	Completed			30		113		ILI Tool Run		No anticipated impact			MARKET
	6/7/19	6/11/19	•			31		113		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			MARKET
	6/10/19	6/19/19				11	AM #3	103/104		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.		Midcontinent: South of Constraint	AM
	6/10/19	7/1/19				13	AM #3	107/108		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			AM
	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.		TEXOK A/G: East of constraint	GC
	6/11/19	6/11/19				6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East of Constraint	AM
	6/12/19	6/12/19				6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East 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
	6/12/19	6/12/19				11	AM #3	105/106		ILI Tool Run	CS 106	Primary/SIP scheduled to minimum of 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	AM
	6/12/19	6/12/19				35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET
	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.		TEXOK A/G: East of constraint	GC
	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
	6/15/19	6/22/19				30	Howard Street	113		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			MARKET
***	6/16/19	6/19/19				26		303		Unit Maintenance	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.		TXOK G/C: North of Constraint	GC
	6/17/19	6/21/19				12	AM #4	196		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			AM
***	6/17/19	6/21/19				8		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	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.		TEXOK A/G: North of constraint	GC
	6/18/19	6/18/19				22		301		Station 301 ESD Test	CS 302	Anticipated Impact - NO: (AOR/ITS/SOP) Primary/SIP scheduled to minimum of no less than 70% of contract		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.		TEXOK A/G: North of constraint	GC
	6/18/19	6/18/19				35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET
***	6/19/19	6/22/19				26		303		Unit Maintenance	CS 302	AOR/ITS and Secondary out-of- path Firm transports will not be available.		TXOK G/C: North of Constraint	GC
	6/20/19	6/20/19				35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET
	6/23/19	6/27/19				13	AM #4	108		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			АМ

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 transpost 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/TTS and Secondary out-of-path Firm transports are not available.		TEXOK A/G: 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	1	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 transpost 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 transpost 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 transpost 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
	7/10/19	7/20/19				30	West Chicago Lateral	113		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			MARKET
	7/11/19	7/11/19				23	LA #1	342		ILI Tool Run	CS 342	At Risk: (AOR/ITS/SOP/SIP/Firm)		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	At Risk: (AOR/ITS/SOP/SIP/Firm)		LA: East of constraint	GC
	7/15/19	7/15/19				23	LA #1	342		ILI Tool Run	CS 342	At Risk: (AOR/ITS/SOP/SIP/Firm)		LA: East of constraint	GC
	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	At Risk: (AOR/ITS/SOP/SIP/Firm)		LA: East of constraint	GC
	7/17/19	7/17/19				23	LA #1	342		ILI Tool Run	CS 342	At Risk: (AOR/ITS/SOP/SIP/Firm)		LA: East of constraint	GC
	7/17/19	7/17/19				14	AM #3	110/113		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
	7/18/19	7/18/19				23	LA #1	342		ILI Tool Run	CS 342	At Risk: (AOR/ITS/SOP/SIP/Firm)		LA: East of constraint	GC
	7/19/19	7/19/19				23	LA #1	342		ILI Tool Run	CS 342	At Risk: (AOR/ITS/SOP/SIP/Firm)		LA: East of constraint	GC
	7/22/19	7/22/19				23	LA #1	342		ILI Tool Run	CS 342	At Risk: (AOR/ITS/SOP/SIP/Firm)		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 transpost 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 transpost 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	At Risk: (AOR/ITS/SOP/SIP/Firm)		TXOK G/C: West of constraint	GC
	8/1/19	9/30/19				25	LA #2	343		Pipeline Maintenance	CS 343	At Risk: (AOR/ITS/SOP/SIP/Firm)		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	АМ
	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 transpost 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 transpost 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
	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	АМ
	8/8/19	8/8/19				6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East of Constraint	АМ
	8/9/19	8/9/19				11	AM #2	104/105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	АМ
	8/12/19	8/31/19				13	AM #2	107		Install Launcher and Receiver		No anticipated impact		Aamarillo M/L: West 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
	8/12/19	8/30/19				26	GC #1	303		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost 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 transpost 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 transpost services are at risk of not being fully scheduled.			GC
***	9/6/19	9/6/19	Date Change	6/06/19	6/06/19	30		133		ILI Tool Run		No anticipated impact			MARKET
	9/9/19	9/13/19				13	AM #4	107		Pipeline Maintenance		No anticipated impact		Aamarillo M/L: West of Constraint	AM
	9/16/19	10/4/19				13	AM #2	107/108		Install Launcher and Receiver	None	No Impact		Amarillo M/L: East of work	AM
	10/1/19	10/1/19				8	Perm #1	167/168		ILI Tool Run	CS 167	Anticipated Impact - NO: (AOR/ITS/SOP) Primary/SIP scheduled to minimum of no less than 27% of contract MDQ through CS 167		Permian: South of work	АМ
	10/1/19	10/3/19				27	GC #2	309		Pipeline Integrity	TBD if Needed	If remediation is required, all transpost services are at risk of not being fully scheduled.			GC
***	10/15/19	10/15/19	Date Change	6/11/19	6/11/19	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	АМ
***	10/15/19	10/15/19	Date Change	6/12/19	6/12/19	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	Anticipated Impact - NO: (AOR/ITS/SOP) Primary/SIP scheduled to minimum of no less than 38% of contract		Midcontinent: South of Constraint	AM