Updated 6/25/19

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.

## \*\*\* Indicates revision

*** Indicat	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	6/24/19	Completed			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	AM
***	6/1/19	6/24/19	Completed			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.			АМ
	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.			АМ
	6/11/19	6/28/19				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
***	6/17/19	6/22/19	Completed			12	AM #4	196		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			АМ
***	6/17/19	6/21/19	Completed			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	АМ
	6/17/19	6/21/19				13	AM #4	108		Pipeline Integrity	TBD if Needed	If remediation is required, all transport services are at risk of not being fully scheduled.			AM
***	6/18/19	6/19/19	Completed			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
	6/19/19	6/26/19				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	АМ
***	6/19/19	7/10/19	Date Change		6/22/19	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
***	6/24/19	7/5/19	Date Change		7/09/19	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	7/11/19				22	GC #2	302/301		ILI Tool Runs	CS 302	Natural will schedule Primary/SIP Firm transports only southbound into Segment 22. AOR/ITS and Secondary out-of-path Firm transports are not available.		SOUTH TX: South of constraint	GC

<sup>\*</sup>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).

6/25/19	6/25/19		22	GC #2	302/301	ILI Tool Run	CS 302	Natural will schedule Primary/SIP Firm transports only southbound into Segment 22. AOR/ITS and Secondary out-of-path Firm	SOUTH TX: South of constraint	GC
6/27/19	6/28/19	LOC Available: 49828	26	GC #3	903690, 39648, 40691, 304/303 42741, 900955, 3647, 47575, 46389, 45310	ILI Tool Run	CS 302	transports are not available.  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		22	GC #2	302/301	ILI Tool Run	CS 302	Natural will schedule Primary/SIP Firm transports only southbound into Segment 22. AOR/ITS and Secondary out-of-path Firm transports are not available.	SOUTH TX: South of constraint	GC
7/2/19	7/2/19		22	GC #2	302/301	ILI Tool Run	CS 302	Natural will schedule Primary/SIP Firm transports only southbound into Segment 22. AOR/ITS and Secondary out-of-path Firm transports are not 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	7/9/19		22	GC #2	302/301	ILI Tool Run	CS 302	Natural will schedule Primary/SIP Firm transports only southbound into Segment 22. AOR/ITS and Secondary out-of-path Firm transports are not available.	SOUTH TX: South of constraint	GC
*** 7/9/19	7/9/19	Completed	14	AM #3	110/113	ILI Tool Run		No anticipated impact.		MARKET
*** 7/11/19	7/22/19	Added	25	LA #1	342	ILI Tool Runs	CS 302	Natural will schedule Primary/SIP Firm transports only eastbound through CS 302 into Segment 25. AOR/ITS and Secondary out-of- path Firm transports are not available.	LA: EAST of constraint	GC
*** 7/11/19	7/22/19	Added	23	LA #1	342	ILI Tool Runs	CS 342	Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of- path Firm transports are not available.	LA: EAST of constraint	GC
*** 7/11/19	7/11/19		23	LA #1	Unavailable (Receipts/Deliveries):11295 900548, 7936, 3592, 25731 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	The locations, as indicated, are unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not available.	LA: EAST of constraint	GC

	7/11/19	7/11/19			22	GC #2	302/301		ILI Tool Run	CS 302	Natural will schedule Primary/SIP Firm transports only southbound into Segment 22. AOR/ITS and Secondary out-of-path Firm transports are not available.	SOUTH TX: South of constraint	GC
***	7/11/19	7/11/19	Completed		14	AM #3	110/113		ILI Tool Run		No anticipated impact.		MARKET
***	7/12/19	7/12/19			23	LA #1	342	Unavailable (Receipts/Deliveries):11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	The locations, as indicated, are unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not available.	LA: East of constraint	GC
***	7/15/19	7/16/19	Date Change	7/16/19	6	OE #1	156		ILI Tool Run		No anticipated impact		AM
***	7/15/19	7/15/19			23	LA #1	342	Unavailable (Receipts/Deliveries):11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	The locations, as indicated, are unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not available.	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	Unavailable (Receipts/Deliveries):11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	The locations, as indicated, are unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not available.	LA: East of constraint	GC
***	7/17/19	7/17/19			23	LA#1	342	Unavailable (Receipts/Deliveries):11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	The locations, as indicated, are unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not available.	LA: East of constraint	GC
***	7/17/19	7/17/19	Completed		14	AM #3	110/113		ILI Tool Run		No anticipated impact.		MARKET
***	7/18/19	7/18/19			23	LA#1	342	Unavailable (Receipts/Deliveries):11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	The locations, as indicated, are unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not available.	LA: East of constraint	GC

												The locations, as indicated, are		
***	7/19/19	7/19/19				23	LA #1	342	Unavailable (Receipts/Deliveries):11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not available.	LA: East of constraint	GC
***	7/22/19	7/22/19				23	LA#1	342	Unavailable (Receipts/Deliveries):11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Run	CS 342	The locations, as indicated, are unavailable. Natural will schedule Primary/SIP Firm transports only eastbound through CS 342 into Segment 23. AOR/ITS and Secondary out-of-path Firm transports are not 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
	7/22/19	7/22/19				40	VOLO #2	113		ILI Tool Run		No anticipated impact.		MARKET
	7/23/19	7/23/19				11	AM #2	105		ILI Tool Run		No anticipated impact	Midcontinent: South of	AM
	7/23/19	7/25/19				22	ANT #2	301		Station Maintenance	CS 301	Primary/SIP Firm transports will be scheduled to a capacity of 360,000 dth/day, not less than 59% of contract MDQ through CS 301.  AOR/ITS and Secondary out-of-path Firm transports are not available.	Constraint	GC
	7/23/19	8/8/19				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
	7/24/19	7/24/19				11	AM #2	105		ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	АМ
	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	АМ
	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.		АМ
	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	10/1/19	Date Change	7/01/19	9/01/19	40	VOLO #1	113		Pipeline Integrity		No anticipated impact.		MARKET
***	8/1/19	10/1/19	Date Change	7/01/19	9/01/19	40	VOLO #2	113		Pipeline Integrity		No anticipated impact.		MARKET
	8/1/19	9/30/19				25	LA #1	343		Pipeline Maintenance	CS 343	Natural will schedule Primary Firm only eastbound into Segment 25.  AOR/ITS and Secondary out-of-path Firm transports are not available.	TXOK G/C: West of constraint	GC
	8/1/19	9/30/19				25	LA #2	343		Pipeline Maintenance	CS 343	available.  Natural will schedule Primary Firm only eastbound into Segment 25.  AOR/ITS and Secondary out-of- path Firm transports are not 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	АМ
***	8/6/19	8/9/19	Added	13	AM #3	108		Pipeline Maintenance	CS 108	Primary/SIP Firm transports will be scheduled to a capacity of 665,000 dth/day, not less than 42% of contract MDQ through CS 108.  AOR/ITS and Secondary out-of-path Firm transports are not available.	Transports associated with Storage Injections will be impacted.	Amarillo M/L: West 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 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
	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	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	LOC 908197 Enstor Katy is unavailable. No transport services will be scheduled.		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
	9/9/19	9/13/19		13	AM #4	107		Pipeline Maintenance		No anticipated impact		Amarillo M/L: West of Constraint	AM
	9/10/19	9/10/19		30		113		ILI Tool Run		No anticipated impact.			MARKET
<u></u>	9/12/19	9/12/19		30		113		ILI Tool Run	1	No anticipated impact.		A	MARKET
	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	АМ
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	АМ
*** 10/15/19	10/15/19	Added	35	GC #3	201/113	ILI Tool Run		No anticipated impact			MARKET
*** 10/17/19	10/17/19	Added	35	GC #3	201/113	ILI Tool Run		No anticipated impact			MARKET
*** 10/22/19	10/22/19	Added	35	GC #3	201/113	ILI Tool Run		No anticipated impact			MARKET
*** 10/24/19	10/24/19	Added	35	GC #3	201/113	ILI Tool Run		No anticipated impact			MARKET
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	АМ