Updated 7/9/19

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
***	6/19/19	7/13/19	Date Change		7/10/19	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	Completed			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
***	7/2/19	7/2/19	Completed			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
	7/3/19	7/31/19	Correction			22	GC #2	341/300		Pipeline Integrity	CS 302	Natural will schedule Primary only southbound into segment 22. AOR/ITS and Secondary out-of- path Firm transports are not available. Primary firm transports are at risk.		SOUTH TX: South of constraint	GC
	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
***	7/11/19	7/22/19	Postponed			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	Postponed			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	Postponed			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
	7/11/19	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
***	7/12/19	7/12/19	Postponed			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	Impact Changed			5/6	OE #1	156/184		ILI Tool Run (EMAT)	Affected Area 5 and 6	Natural is required to reduce the current confirmed nominations by 250,000 dth per day. Natural will schedule 87,000 dth per day during this restriction. Primary Firm transports will be impacted.	Injections may be impacted.	Midcontinent: West of Constraint	АМ
***	7/15/19	8/3/19	Date Change	7/08/19	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.			АМ
****	7/16/19	7/16/19	Postponed			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	Postponed			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
***	7/18/19	7/18/19	Postponed			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		LA: East of constraint	GC

***	7/19/19	7/19/19	Postponed			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
非非非	7/20/19	7/20/19	Postponed			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
	7/23/19	7/23/19				11	AM #2	105		ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
	7/23/19	7/25/19				22		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 southbound through CS 301. AOR/ITS and Secondary out-of-path Firm transports are not available.	SOUTH TX: South of constraint	GC
***	7/23/19	8/8/19	Impact Changed			25	LA #1	302/343		Pipeline Integrity	CS 302	Natural will schedule Primary Firm only eastbound into Segment 25. AOR/TTS and Secondary out-of-path Firm transports are not available.	TXOK G/C: West of constraint	GC
	7/24/19	7/24/19				11	AM #2	105		ILI Tool Run		No anticipated impact	Midcontinent: South of Constraint	AM
***	7/24/19	7/24/19	Date Change	7/22/19	7/22/19	40	VOLO #2	113		ILI Tool Run		No anticipated impact.		MARKET
	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	10/1/19				40	VOLO #1	113		Pipeline Integrity		No anticipated impact.		MARKET
	8/1/19	10/1/19				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

											Natural will schedule Primary Firm only eastbound into Segment 25.		
	8/1/19	9/30/19				25	LA #2	343	Pipeline Maintenance	CS 343	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	АМ
	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	8/9/19				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.		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
	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	АМ
	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	8/15/19	Date Change	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
	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
9/12/19	9/10/19	30		113		ILI Tool Run					MARKET
9/12/19	9/12/19	30		113		ILI 1001 Run		No anticipated impact.			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
9/17/19	9/30/19	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
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	35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET
10/17/19	10/17/19	35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET
10/22/19	10/22/19	35	GC #3	201/113		ILI Tool Run		No anticipated impact			MARKET
10/24/19	10/24/19	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