Updated 7/16/19

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

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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	Completed			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
***	6/25/19	7/11/19	Completed			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
	7/3/19	7/31/19				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	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
***	7/11/19	7/11/19	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
	7/15/19	7/16/19				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
	7/22/19	7/22/19				11	AM #2	105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	AM
***	7/22/19	8/3/19	Date Change	7/15/19		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
	7/23/19	7/23/19				11	AM #2	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
	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				25	LA #1	302/343		Pipeline Integrity	CS 302	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
***	7/23/19	7/28/19	Added			29	Sherrard Lateral	109		Hydrotest		No anticipated impact			AM
	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	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.		Constitution	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				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 thru CS 343. AOR/ITS and Secondary out-of-path Firm transports are not available. Receipts from Moss Bluff (LOC 3817) for eastbound flow will be impacted.		TXOK G/C: West of constraint	GC
***	8/1/19	9/30/19				25	LA #2	343		Pipeline Maintenance	CS 343	Natural will schedule Primary Firm only eastbound thru CS 343. AOR/ITS and Secondary out-of-path Firm transports are not available. Receipts from Moss Bluff (LOC 3817) for eastbound flow will be impacted.		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			Ī	6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East of Constraint	AM

Revi	sed Sta	art 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.	3/6/19	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.	3/6/19	8/6/19				11	AM #2	104/105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	AM
	8.	3/6/19	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	8/6/19	8/6/19	Date Change	7/24/19	7/24/19	40	VOLO #2	113		ILI Tool Run		No anticipated impact.			MARKET
	8.	3/7/19	8/7/19				11	AM #2	104/105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	AM
	8.	3/8/19	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.	3/8/19	8/8/19				6	OE #2	154		ILI Tool Run		No anticipated impact		Midcontinent: East of Constraint	AM
	8.	3/9/19	8/9/19				11	AM #2	104/105		ILI Tool Run		No anticipated impact		Midcontinent: South of Constraint	AM
	8/	/12/19	8/30/19				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	8/24/19	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
**	* 8/	/13/19	8/24/19	Added			23	LA #1	342	Unavailable (Receipts/Deliveries): 11295, 900548, 7936, 3592, 25731, 900549, 6010, 900416, 901100, 907610 Available (Receipts): 3592	ILI Tool Runs	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
	8/	/13/19	8/15/19				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	АМ
	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/	/18/19	8/21/19	Added			26		303		Unit Maintenance	CS 303	Natural will schedule Primary/SIP Firm transports only southbound thru CS 303. AOR/ITS and Secondary out-of-path Firm transports are not available.		TEXOX G/C: North of constraint	GC
**:	* 8/	/19/19	9/7/19	Date Change	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/	/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

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
***	8/20/19	8/20/19	Added			13	AM #2/AM #4	107		Pipeline Maintenance	CS 107	Primary/SIP Firm transports will be scheduled to a capacity of 670,000 dth/day, not less than 46% of contract MDQ northbound through CS 107. AOR/ITS and Secondary out-of-path Firm transports are not available.	Transports associated with Storage injections may be impacted.	Amarillo M/L: West of Constraint	АМ
***	8/21/19	8/23/19	Added			26		303		Unit Maintenance	CS 303	Natural will schedule Primary/SIP Firm transports only southbound thru CS 303. AOR/ITS and Secondary out-of-path Firm transports are not available		TEXOX G/C: North of constraint	GC
***	8/21/19	8/24/19	Date Change	8/06/19	8/09/19	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 northbound through CS 108. AOR/ITS and Secondary out-of-path Firm transports are not available.	Transports associated with Storage injections may be impacted.	Amarillo M/L: West of Constraint	АМ
	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.		Constant	MARKET
	9/12/19	9/12/19				30		113		ILI Tool 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: West 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 will be scheduled to a capacity of 100,000 dth/day, not 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 may 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

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
***	11/20/19	11/21/19				11	AM #3	104/105		ILI Tool Run	CS 104	Primary/SIP Firm transports will be scheduled to a capacity of 425,000 dth/day, not 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 may be impacted.	Midcontinent: South of Constraint	АМ