Updated 7/30/20

Natural Gas Pipeline 2020 Pipeline Outage and Maintenance Summary

This is a summary of the current status of all NGPL 2020 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).

*Typical Timeline for ILI reporting is below.

Type of In- Line Inspection	# of weeks to determine a successful run	# of weeks to Preliminary Report	# of Weeks to Final Aligned Report
MFL	1-2	3-4	8-13
AFD	2-3	3-4	12-16
EMAT	2-3	N/A	17-30

*** 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
	TBD	TBD				23		346		ESD Test	TBD	TBD			GC
	TBD	TBD				25		302		Station Maintenance	TBD	TBD			GC
	TBD	TBD				25		343		Unit Maintenance	TBD	TBD			GC
***	5/4/20	UFN				25	LA #2	343/342		Force Majeure - See latest Force Majeure Posting on Natural's EBB	CS 302	Natural will continue to schedule Primary Firm transport services, eastbound through CS 302 for the duration of this outage. AOR/ITS and Secondary out-of-path Firm transport services are available.	Transports associated with Storage withdrawals will be impacted.	TEXOK: West of Constraint	GC
本本本	7/6/20	7/24/20	Completed			4	M&M	159		Install Launcher and Receiver		This project has an impact to maximum capacity. However, in order to mitigate customer impact and based on current operating conditions, Natural does not anticipate limiting primary firm transport services, at this time. If conditions change Natural will post an update.			АМ
***	7/6/20	7/24/20	Completed			26	GC #3	303/302		Force Majeure - See latest Force Majeure Posting on Natural's EBB	CS 302	Natural will schedule Primary/SIP Firm transports only southbound through Segment 26 at CS 302. AOR/TTS and Secondary out-of- path Firm transports are not available.	Transports associated with Storage injections and withdrawals will be impacted.	TEXOX: North of constraint	GC
***	7/7/20	8/5/20	Date Change		7/31/20	11	AM #3	103/104		Force Majuere - See latest Force Majeure Posting on Natural's EBB	CS 104	Primary/SIP Firm transports will be scheduled to no less than 43% of contract MDQ through CS 104. 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
	7/7/20	7/31/20				26	GC #3/GC #2	304/303		Pipeline Integrity		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
***	7/7/20	7/30/20	Completed			13	AM #2	107/108		Install Launcher and Receiver		This project has an impact to maximum capacity. However, in order to mitigate customer impact and based on current operating conditions, Natural does not anticipate limiting primary firm transport services, at this time. If conditions change Natural will post an update.			АМ
***	7/21/20	7/24/20	Completed			25		343		Unit Maintenance	TBD	TBD			GC
***	7/22/20	7/30/20	Completed			13	AM #3	107		Install Launcher and Receiver	CS 107	Primary/SIP Firm transports will be scheduled to no less than 38% of contract MDQ through CS 107. AOR/ITS and Secondary out-of- path Firm transports are not available.	Transports associated with Storage injections will be impacted.	Amarillo M/L: South of Constraint	АМ
***	7/23/20	7/23/20	Completed			27	GC #3	305		ILI Tool Run - Cleaning		No Anticipated Impact			GC
***	7/27/20	8/8/20	Date Change		8/05/20	39	North Chicago #3	113		Pipeline Integrity	TBD	If remediation is required, all transport services are at risk of not being fully scheduled.			MARKET
	7/27/20	7/30/20				14	Davenport Lateral #3	110		ILI Tool Run - MFL		No Anticipated Impact			AM
***	7/28/20	7/28/20	Completed			27	GC #3	305		ILI Tool Run - MFL		No Anticipated Impact			GC
***	7/28/20	7/28/20	Completed			22		301		Station Maintenance		No Anticipated Impact			GC
***	7/30/20	8/15/20	Date Change	9/11/20	9/22/20	14	AM #4	110		Pipeline Integrity	TBD	If remediation is required, all transport services are at risk of not being fully scheduled.			АМ
	7/30/20	7/31/20				11	AM #3	103		ILI Tool Run - MFL	CS 103	Superceded by force majeure, see posting dated June 18, 2020.	Transports associated with Storage Injections will be impacted.	Midcontinent: South of Constraint	AM
	8/1/20	8/14/20				10	AM #4	103		Install Launcher and Receiver		This project has an impact to maximum capacity. However, in order to mitigate customer impact and based on current operating conditions, Natural does not anticipate limiting primary firm transport services, at this time. If conditions change Natural will post an update.			АМ
	8/4/20	8/4/20				40	Volo #1	113		ILI Tool Rerun - AFD		No Anticipated Impact			MARKET
	8/4/20	8/6/20				8		167		Station Maintenance		No Anticipated Impact			AM
	8/5/20	8/5/20				40	Volo #1	113		ILI Tool Rerun - AFD		No Anticipated Impact			MARKET
	8/5/20	8/9/20				12	AM #3	106		Pipeline Maintenance	CS 196	Primary/SIP Firm transports will be scheduled to no less than 34% of contract MDQ through CS 196. AOR/ITS and Secondary out-of- path Firm transports are not available.	Transports associated with Storage injections will be impacted.	Amarillo M/L: South of Constraint	AM
	8/5/20	8/5/20				22		301		Station Maintenance		No Anticipated Impact			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
	8/11/20	8/15/20				14	AM #2	110		Install Launcher and Reciever		This project has an impact to maximum capacity. However, in order to mitigate customer impact and based on current operating conditions, Natural does not anticipate limiting primary firm transport services, at this time. If conditions change Natural will post an update.			MARKET
	8/15/20	8/20/20				14	Davenport Lateral #3			Install Launcher and Receiver		No anticipated impact			AM
	8/15/20	8/21/20				8	Perm #2	112		Install Launcher and Receiver		This project has an impact to maximum capacity. However, in order to mitigate customer impact and based on current operating conditions, Natural does not anticipate limiting primary firm transport services, at this time. If conditions change Natural will post an update.			АМ
***	8/17/20	8/24/20	Date Change	7/18/20	7/25/20	33	Calumet #3	113		Pipeline Integrity	TBD	If remediation is required, all transport services are at risk of not being fully scheduled.			MARKET
	8/21/20	9/3/20				10	AM #4	102	LOC 11272 LD Olake Dekald Swine Beaver	Install Launcher and Receiver		The following location is unavailable: LOC 11272 LD Olake Dekald Swine Beaver. No transport services will be scheduled.			AM
***	8/25/20	9/21/20	Date Change	8/06/20	9/02/20	33	Calumet #3	113		Pipeline Integrity	TBD	If remediation is required, all transport services are at risk of not being fully scheduled.			MARKET
	9/1/20	9/30/20				5	OE #1	156/184		Pipeline Integrity	TBD	If remediation is required, all transpost services are at risk of not being fully scheduled.			AM
	9/1/20	9/30/20				5	OE #1	156/184		Pipeline Integrity	TBD	If remediation is required, all transpost services are at risk of not being fully scheduled.			AM
	9/1/20	9/15/20				8	Perm #2	168		Install Launcher and Receiver	CS 168	Primary/SIP Firm transports will be scheduled to no less than 81% of contract MDQ through CS 168. AOR/ITS and Secondary out-of- path Firm transports are not available.	Transports associated with Storage injections will be impacted.	Permian: South of Constraint	AM
***	9/1/20	9/15/20	Date Change	9/09/20	9/23/20	13	AM #3	107	LOC 900203 NNG Mills	Install Launcher and Receiver	CS 107	The following locations are unavailable: LOC 900203 NNG Mills. In addition to the unavailable location, Primary/SIP Firm transports will be scheduled to no less than 37% of contract MDQ through CS 107. AOR/ITS and Secondary out-of-path Firm transports are not available.	Transports associated with Storage injections will be impacted.	Amarillo M/L: 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
	9/7/20	9/7/20				22	GC#1	302/301		ILI Tool Run - Cleaning	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.	Transports associated with Storage withdrawals will be impacted.	SOUTH TX: South of Constraint	GC
	9/8/20	9/9/20				26	GC #2	305/304		ILI Tool Run - Cleaning	CS 304	AOR/ITS and Secondary out-of- path Firm transports are at risk of not being fully scheduled	Transports associated with Storage withdrawals will be impacted.	TEXOK GC: South of Constraint	GC
	9/8/20	9/18/20				10	AM #3	111	LOC 5381 Phillips Herring Hutchinson, LOC 5382 WTG Hutchinson, LOC 10704 Mcleod Irrigation Hutchinson	Install Launcher and Reciever		The following locations are unavailable: LOC 5381 Phillips Herring Hutchinson, LOC 5382 WTG Hutchinson, LOC 10704 Mcleod Irrigation Hutchinson. No transport services will be scheduled.			AM
	9/8/20	9/8/20				22	GC #1	302/301		ILI Tool Run - Gauge	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.	Transports associated with Storage withdrawals will be impacted.	SOUTH TX: South of Constraint	GC
	9/10/20	9/10/20				22	GC #1	302/301		ILI Tool Run - AFD	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.	Transports associated with Storage withdrawals will be impacted.	SOUTH TX: South of Constraint	GC
	9/14/20	9/15/20				26	GC #2	305/304		ILI Tool Run - MFL	CS 304	AOR/ITS and Secondary out-of- path Firm transports are at risk of not being fully scheduled	Transports associated with Storage withdrawals will be impacted.	TEXOK GC: South of Constraint	GC
	9/16/20	9/17/20				26	GC #2	305/304		ILI Tool Run - Hard Spot	CS 304	AOR/ITS and Secondary out-of- path Firm transports are at risk of not being fully scheduled	Transports associated with Storage withdrawals will be impacted.	TEXOK GC: South of Constraint	GC
***	9/16/20	10/7/20	Date Change	8/19/20	9/09/20	13	AM #2	107		Install Launcher and Receiver		This project has an impact to maximum capacity. However, in order to mitigate customer impact and based on current operating conditions, Natural does not anticipate limiting primary firm transport services, at this time. If conditions change Natural will post an update.			AM
	11/10/20	11/10/20				30	O'Hare Lateral #2	113		ILI Tool Run - Cleaning		No Anticipated Impact			MARKET
	11/12/20	11/12/20				30	O'Hare Lateral #2	113		ILI Tool Run - Caliper		No Anticipated Impact			MARKET
	11/13/20	11/13/20				30	O'Hare Lateral #2	113		ILI Tool Run - MFL		No Anticipated Impact			MARKET