Updated 4/28/2021 Natural Gas Pipeline 2021 Pipeline Outage and Maintenance Summary

This is a summary of the current status of all NGPL 2021 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 *Typical Timeline for ILI reporting is below.

Type of In-Line Inspection tool	# of weeks to determine a successful run	# of weeks to Preliminar y 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

Outage #	Revised	Start Date	End Date	Reason Changed	Prev. Start Date	Prev. End Date	System	Line	Segment	Location	Scheduling Location	Maintenance Activity	Restriction Level	Pool Location	Meter(s) in Impacted Area
X20-877776		09/24/20	UFN				AM	INDIAN BASIN	7	CS 167	CS 167	Force Majeure - See latest Force Majeure Posting on Natural's EBB	Effective for gas day Thursday, September 24, 2020, Intraday 1 Cycle, Natural will schedule all transports to 0% of contract MDQ into and out of Segment 7. Segment 8 and Segment 9 of the Permian Zone are not impacted by this force majeure event.		
X20-889288	***	12/01/20	05/14/21	Project Change	12/01/20	4/23/21	AM		8	168		Station Maintenance	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.		
X20-1066074		04/12/21	05/06/21				MKT	ILLINOIS LATERAL #1	29	110/116	TBD	Pipeline Integrity	If remediation is required, all transport services are at risk of not being fully scheduled.		
X20-1043494		04/19/21	05/18/21				GC	GC #3	28	311		ILI Tool Runs - Cleaning 4/19- 4/20, Gauge 4/22-4/23, AFD 4/26- 4/27, EMAT 4/29-5/1, MFL/Caliper 5/18-5/19	No Anticipated Impact		
X20-1066116	***	04/20/21	04/28/21	Project Change	4/20/21	4/29/21	AM	AM #3	13	107/108	107	ILI Tool Runs - Cleaning 4/20, Gauge 4/22, MFL/Caliper 4/28	Primary/SIP Firm transports will be scheduled to no less than 57% of contract MDQ through CS 107. AOR/ITS and Secondary out-of-path Firm transports are not available.	Amarillo M/L: South of Constraint	
X21-237271	***	04/20/21	04/29/21	Project Change	4/20/21	4/25/21	GC		25	343	302	Force Majeure - See latest Force Majeure Posting on Natural's EBB	Primary/SIP Firm transports will be scheduled to no less than 74% of contract MDQ through CS 302. AOR/ITS and Secondary out-of-path Firm transports are not available.	TEXOK GC: West of Constraint	
X20-1105759		04/20/21	05/23/21				GC	GC #1	26	303	303	Pipeline Maintenance	Primary/SIP Firm transports will be scheduled to no less than 96% of contract MDQ through CS 303. AOR/ITS and Secondary out-of-path Firm transports are not available. Transports associated with storage injections and withdrawals will be impacted.	TEXOK GC: North of Constraint	
X20-1031872		04/21/21	04/29/21				АМ	PERMIAN #2	8	168		II.I Tool Run - Cleaning 4/21, Gauge 4/22, Cleaning 4/23 and 4/24, AFD 4/27, EMAT 4/29	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.		
X20-1066014		04/26/21	05/28/21				MKT	ROCKFORD LATERAL #2	29	113	TBD	Pipeline Integrity	If remediation is required, all transport services are at risk of not being fully scheduled.		
X20-1066108		04/27/21	05/04/21		_		AM	AM #4	10	102		ILI Tool Runs - Cleaning/Gauge 4/27, MFL/Caliper 5/4	No Anticipated Impact		
X20-1066181	***	04/27/21	05/14/21	Project Change	5/10/21	5/28/21	AM	AM #2	14	109	TBD	Pipeline Integrity	If remediation is required, all transport services are at risk of not being fully scheduled.		
X20-1066111		04/29/21	05/07/21				AM	AM #4	10	103		ILI Tool Runs - Cleaning/Gauge 4/29, MFL/Caliper 5/7	No Anticipated Impact		
X20-1066117		05/04/21	05/21/21				AM	AM #2	13	107/108		ILI Tool Runs - Cleaning/Gauge 5/4-5/5, Cleaning 5/6-5/7, Cleaning 5/11-5/12, Cleaning 5/13-5/14, MFL/Caliper 5/18-5/19, Hard Spot 5/20-5/21	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.		
X20-1128226		05/04/21	06/10/21				GC	GC #2	22	300/341	TBD	Pipeline Integrity	If remediation is required, all transport services are at risk of not being fully scheduled.		
X20-1046948	***	05/04/21	05/05/21	Project Change	5/04/21	5/04/21	MKT	ROCKFORD LAT #2	29	113		ILI Tool Runs - Cleaning/Gauge 5/4, AFD 5/4	No Anticipated Impact		
X21-27090		05/11/21	08/05/21				GC	GC #1	26	304	304	Install Launcher and Receiver	Transport Impact to be determined		
X20-1066028		05/11/21	05/24/21				MKT	VOLO #2	40	113	TBD	Pipeline Integrity	If remediation is required, all transport services are at risk of not being fully scheduled.		

Marche M															
Campaigness													This project has an impact to maximum capacity. However, in order to mitigate customer impact and		
March Marc	X20-1031880		05/18/21	05/18/21			AM	PERMIAN #2	8	168		ILI Tool Run - MFL/Caliper 5/18			
													at this time. If conditions change Natural will post an		
1	V21 406226	***	05/10/21	05/20/21	4444		434	OF #1		154		ILI Tool Runs - Chemical Cleaning			
March Marc		444			Added							5/19-5/20.			
March Marc	X20-1128209		06/01/21	06/30/21			GC	GC #2	22	301/300	TBD	Pipeline Integrity	risk of not being fully scheduled.		
March Marc	X20-1066187		06/02/21	07/01/21			AM	AM #3	11	104/105	TBD	Pipeline Integrity			
No.															
1.	X20-1124179		06/02/21	06/30/21			AM		6	111		Install Launcher and Receiver	based on current operating conditions, Natural does		
Part March Part	1.20							#5							
March Marc															
March Marc															
Mathematical Math													scheduling percentage is based upon the current level		
Committee Comm														TEXOK GC: West of	
Table	X21-36204	***	06/04/21	06/30/21	Project Change		GC	LA #2	25	343	302	Pipeline Maintenance	AOR/ITS and Secondary out-of-path Firm transports		
No.													will not be available.		
Am															
21-4475 10-10-21	<u> </u>												-		
An												ILI Tool Runs - Cleaning 6/8,	However, in order to mitigate customer impact and		
A	X21-44755		06/08/21	06/15/21			AM	PERMAIN #2	10	102			not anticipate limiting primary firm transport services,		
Ass.												MFL/Canper 6/15			
April December Continue C	X20-1066215		06/15/21	06/28/21			AM	AM #3	11	105/106	TBD	Pipeline Integrity	If remediation is required, all transport services are at		
No.	X20-1012405		06/22/21				MKT			201					
April Apri				****								-			
Am	X20-1012418		06/22/21	06/29/21			MKT		35	201		Hot Tap Installation			
According Acco													However, in order to mitigate customer impact and		
Second S	X20-1066113		06/22/21	06/24/21			AM	AM #3	6	102					
X28-1128216 GC 25/21 GC 25/													at this time. If conditions change Natural will post an		
No. 1006219 1006221	X20-1128316		06/25/21	07/16/21			GC	GC #2	22	302/301	TBD	Pipeline Integrity	If remediation is required, all transport services are at		
X20 108104 0770521	X20-1066219		06/29/21	07/02/21			AM	AM #2	11	105	TRD		If remediation is required, all transport services are at		
X21-19599 07.0521 07															
X21-48756 07/1021 06/08/21															
X21-44756 07712/21 08-08/21 07712/21 08-08/21 07712/21 08-08/21 08-08/21 08-08/21 08-08/21 08-08/21 08-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 08-08/21 09-08/21 09-08/21 08-08/21 09-08/21	X20-1128300		07/10/21	08/10/21			GC	GC #3	26	303/302	TBD	Pipeline Integrity			
AM	X21-44756		07/12/21	08/08/21			AM	OF.#1	5	156/184	TBD	Pineline Integrity	If remediation is required, all transport services are at		
No.				*					<u> </u>						
X20-1066122												ILI Tool Runs - Cleaning/Gauge	However, in order to mitigate customer impact and		
X21-110273 0726/21 09/30/21 AM AM #2 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 11 105/106 TBD Pipeline Integrity If remediation is required, all transport services are at 12 107 TBD Pipeline Integrity If remediation is required. All transports will be deduled to no 15 105/106 TBD Pipeline Integrity If remediation is required. All transports will be deduled to no 15 105/106 TBD Pipeline Integrity If remediation is required. All transports will be deduled to no 15 105/106 TBD Pipeline Integrity If remediation is required. All transports will be deduled to no 15 105/106 TBD Pipeline Integrity If remediation is required. All transports will be deduled to no 15 105/106 TBD Pipeline Integrity If remediation is required. All transports associated with storage injections and withdrawals will be impacted.	X20-1066122		07/19/21	07/22/21			AM	AM #2	12	107		7/19, Cleaning 7/20, MFL/Caliper	not anticipate limiting primary firm transport services,		
X21-110273												//21, 11md Spot //22			
X20-1066123	X21-110273		07/26/21	09/30/21			AM	AM #2	11	105/106	TBD	Pipeline Integrity	If remediation is required, all transport services are at		
X20-1066123													This project has an impact to maximum capacity.		
ANI									l .			ILI Tool Runs - Cleaning/Gauge	However, in order to mitigate customer impact and		
X20-1066093 08/02/21 08/13/21 MKT CRAWFORD #1 31 113 TBD Pipeline Integrity If remediation is required, all transport services are at risk of not being fully scheduled.	X20-1066123		07/26/21	07/29/21			AM	AM #2	12	107			not anticipate limiting primary firm transport services,		
X20-1090082 08/17/21 09/07/21 08/31/21 09/07/21 08/07/									<u></u>			,			
X20-1128328 08/10/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 09/17/21 0	X20-1066093		08/02/21	08/13/21			MKT		31	113	TBD	Pipeline Integrity	If remediation is required, all transport services are at		<u> </u>
X20-1090082 OR/17/21 OR/	X20-1128328		08/10/21	09/17/21					NGPL	304/303	TBD	Pipeline Integrity	If remediation is required, all transport services are at		
X20-1090082 08/17/21 09/07/21 GC GC #3 26 303 303 Pipeline Maintenance AOR/ITS and Secondary out-of-path Firm transports are not available. Transports associated with storage injections and withdrawals will be impacted. X21-220601 08/31/21 09/07/21 AM AM #3 14 110 110 III Tool Runs - Cleaning 8/31, Gauge 9/2, MFL/Calipre 9/7. X20-1090082 10/07/21 III Tool Runs - Cleaning 8/31, Gauge 9/2, MFL/Calipre 9/7. If remediation is required, all transport services are at				=-								1			
X20-1090082 08/17/21 09/07/21 GC GC #3 26 303 303 Pipeline Maintenance are not available. Constraint													less than 75% of contract MDQ through CS 303.		
Transports associated with storage injections and withdrawals will be impacted. X21-220601 08/31/21 09/07/21 AM AM #3 14 110 110 III.Tool Runs - Cleaning 8/31, Gauge 9/2, MFL/Caliper 9/7 No anticipated impact. X20-10/07/07 09/07/21 1/2009	X20-1090082		08/17/21	09/07/21			GC	GC #3	26	303	303	Pipeline Maintenance	are not available.		
X21-220601 08/31/21 09/07/21 AM AM #3 14 110 110 III.Tool Runs - Cleaning 8/31, No anticipated impact. X20-120601 08/31/21 09/07/21 AM AM #3 14 110 110 III.Tool Runs - Cleaning 8/31, No anticipated impact.													Transports associated with storage injections and	Constant	
AZ1-220001 06/31/21 09/07/21 AM ANI #5 14 110 110 Gauge 9/2, MFL/Caliper 9/7 No anticipated impact. YOU DOCADE 06/07/21 10/09/21 M/VT 22 112 TDD Realize because If remediation is required, all transport services are at	<u> </u>								ļ			II I Tool Pune , Classing 9/21	withdrawals will be impacted.		
X20-1066105 09/02/21 10/08/21 MKT 32 113 TBD Pipeline Integrity If remediation is required, all transport services are at risk of not being fully Scheduled.	X21-220601		08/31/21	09/07/21			AM	AM #3	14	110	110	Gauge 9/2, MFL/Caliper 9/7			
	X20-1066105		09/02/21	10/08/21			MKT		32	113	TBD	Pipeline Integrity	If remediation is required, all transport services are at risk of not being fully scheduled.		

X20-1105757	09/27/21	11/30/21		GC	GC #1	22	302/301	302	Pipeline Maintenance	Transport Impact to be determined	
X20-1105758	09/27/21	11/30/21		GC	GC #2	22	302/301	302	Pipeline Maintenance	Transport Impact to be determined	
X20-1108168	10/22/21	10/31/21		AM	AM #2	14	110	110	Install Launcher and Receiver	Transport Impact to be determined	
X20-1046850	12/31/21	12/31/21		MKT	VOLO#1	40	113		ILI Tool Runs - Cleaning/Gauge 5/17, MFL/Caliper 5/22, Hard Spot 5/25		