



Andy Beshear  
Governor

Rebecca W. Goodman  
Secretary  
Energy and Environment Cabinet

Commonwealth of Kentucky  
**Public Service Commission**  
211 Sower Blvd.  
P.O. Box 615  
Frankfort, Kentucky 40602-0615  
Telephone: (502) 564-3940  
Fax: (502) 564-3460  
psc.ky.gov

Angie Hatton  
Vice Chairman

Mary Pat Regan  
Commissioner

July 16, 2024

## PARTIES OF RECORD

Re: Case No. 2022-00238

Notice is given to all parties that the attached redacted Final Report of the Regulatory Status of the East Kentucky Midstream, LLC Pipeline System has been filed into the record of this proceeding. The original report has been provided to the parties of the case. The redacted information is considered Critical Energy Infrastructure Information pursuant to KRS 61.878(1)(m) which states, "Public records the disclosure of which would have reasonable likelihood of threatening the public safety by exposing vulnerability in preventing against, mitigating, or responding to a terrorist act..."

If you have any comments you would like to make regarding the contents of the document, please do so within five days of receipt of this letter. If you have any questions, please contact Jessica Norris-Canfield, Staff Attorney at [JNorriscanfield@ky.gov](mailto:JNorriscanfield@ky.gov).

Sincerely,

A handwritten signature in blue ink that reads "Linda C. Bridwell".

Linda C. Bridwell, PE  
Executive Director

Attachment



June 30, 2024

Ms. Jessica Norris-Canfield  
Kentucky Public Service Commission  
211 Sower Blvd  
Frankfort, KY 40601

**Re: Regulatory Status of East Kentucky Midstream, LLC (EKM) Pipeline System**

Dear Ms. Norris-Canfield:

The following report seeks to summarize for the Kentucky Public Service Commission (KYPSC) the findings regarding the regulatory status of the East Kentucky Midstream, LLC's pipeline systems (collectively, the System) based on the information that we have secured to date. As stated in the preliminary report, this group of pipelines and sub-systems are complex, and not everything is clear given the flexibility in the System's design, particularly given the ongoing disputes between operators (i.e., EKM and Kentucky Frontier Gas, LLC (KFG)). This report seeks to provide greater detail around the information summarized in the preliminary report issued on June 13, 2024, as more information is now available to assist with filling in critical operational details of the systems in question.

To complete this report, Sander Resources, L.L.C. (Sander) conducted the following activities to make determinations contained in this report:

- a field review of the pipeline locations, components, and the type, status and function of pipeline segments (i.e., gathering, distribution, or transmission) within the System;
- compiled and reviewed available GIS mapping data of the System including locations, components, and the type, status and function of pipeline segments;
- reviewed information provided by stakeholders pertinent to the matter before KYPSC; and
- reviewed and applied the relevant regulatory requirements.

This report is organized into the following sections:

- Findings Summary
- Key Definitions
- Applicability of Definitions
- Regulatory Jurisdiction
- Outstanding Issues
- Safety Issues
- Overview by Region and System

## **Findings Summary**

The information gathered through our review has identified a unique operational configuration that results in the System being designed in a manner that allows the System and its components to operate in a bi-directional manner. As a result, many segments of the System serve both gathering as well as distribution functions, and could be considered as transmission in those cases where the operator chooses to self-designate due to the low-pressure of the system segments. There are segments that are either transmission or distribution and cannot be gathering. All lines reviewed during this evaluation are subject to the jurisdiction of the Pipeline and Hazardous Materials Safety Administration (PHMSA) and at a minimum, are required to file certain information with PHMSA and KYPSC when certain events occur as well as on an annual basis.

As we write this report we also find ourselves in a unique position in that there are still questions that remain outstanding regarding the operational details of many of the sub-systems reviewed. These details will ultimately determine the level of regulatory requirements applicable to the sub-systems in question. For those segments considered to be bi-directional, KYPSC will need to determine how to approach the matter going forward. We have laid out several potential scenarios for consideration below.

The System reviewed during this process is comprised of 26 separate sub-systems that we have organized into five (5) regions. These sub-systems comprise at least 381 miles of gathering, transmission<sup>1</sup> and distribution pipelines.

Of these 26 segments:

- 17 are operated by EKM;
- 3 are operated by KFG;
- 5 are disputed and neither EKM nor KFG claim operational control; and to operate; and
- 1 operated by KFG in one area and under dispute in another.

The System includes:

- four (4) compressors in various states of operational capability;
- three (3) tie-in locations with TC Energy Corporation (TCEC);
- 49 connections to sources of production from 467 wells operated by between 21 and 49 independent producers;
- meters/farm taps owned and maintained by EKM; and
- 1931 meters owned and maintained respectively as follows:
  - EKM
    - 319 customer meters<sup>2</sup>
    - 6 master meters

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<sup>1</sup> According to the operational data reviewed, no pipeline is operated at 20 percent or more of SMYS, or 125 psi. As a result, the only way one or more of these pipelines is a transmission system is because EKM has elected to designate it as one. Please see additional information regarding EKM's 2023 annual report on this issue on page 9.

<sup>2</sup> EKM does not differentiate between home vs farm tap locations and considers all meters to be "consumer".

- KFG
  - 1076 customer meters
  - 530 farm tap meters

Because of the complexity of the System and the issues being evaluated, we have provided a summary of the pertinent information for each independent sub-system below. The summary includes an explanation of the attributes of the sub-system, if available, a description of the sub-system and other unique components or relevant operational factors.

### **Definitions**

There are several key definitions that apply to this project. Definitions relating to the application of safety requirements established by PHMSA are found in 49 C.F.R. § 192.3. The definitions outlined below are the three designations that describe the purpose of a pipeline, and are one of the primary factors that ultimately determine the applicability and level of safety requirements under 49 C.F.R. § § 191, 192, and 199.

It should be noted that the ownership of the gas does not impact the categorization of a pipeline segment of System. The applicability of regulatory requirements to a pipeline segment is based purely on operational considerations such as its function, and the risk to the public, which is determined by a number of factors, including, but not limited to the proximity of the pipeline to the public and the design of the pipeline.

*Distribution line* means a pipeline other than a gathering or transmission line.

*Distribution center* means the initial point where gas enters piping used primarily to deliver gas to customers who purchase it for consumption, as opposed to customers who purchase it for resale, for example:

- (1) a metering location;
- (2) a pressure reduction location; or
- (3) where there is a reduction in the volume of gas, such as a lateral off a transmission line.

*Gathering line*<sup>3</sup> means a pipeline that transports gas from a current production facility to a transmission line or main.

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<sup>3</sup> Gathering is further defined in 49 C.F.R. §192.8, which incorporates the American Petroleum Institute Recommended Practice 80, 1<sup>st</sup> Edition into the Code with certain limitations (which are reflected below). It states:

“Gathering Line”

- (a) means any pipeline or part of a connected series of pipelines used to:
1. transport gas from the furthestmost downstream point in a production operation to the furthestmost downstream of the following endpoints, which physically may have intermediate deliveries (to other production operations, pipeline facilities, farm taps, or residential/commercial/industrial end users), but does not include equipment that can be used in either production or transportation, such as separators or dehydrators, unless that equipment is involved in the processes of “production and preparation for transportation or delivery of hydrocarbon gas” within the meaning of “production operation”:
    - (A) the inlet of the first downstream natural gas processing plant, unless the operator can demonstrate, using sound engineering principles, that gathering extends to a further downstream plant,
    - (B) the outlet of the furthestmost downstream gathering line gas treatment facility,
    - (C) the commingling of gas from separate production fields, the fields may not be more than 50 miles from each other, unless the Administrator finds a longer separation distance is justified in a particular case,
    - (D) the outlet of the furthestmost downstream compressor station used to increase gathering line pressure for delivery to another pipeline, or
    - (E) the connection to another pipeline downstream of:
      - (i) the furthestmost downstream endpoint identified in (A), (B), (C) or (D), or (in the absence of such endpoint). For new, replaced, relocated, or otherwise changed gas gathering pipelines installed after May 16, 2022 the endpoint of gathering under this Section (192.8(a)(1)(E)) and 2.2.1.2.6 of API RP 80 may not be used if the pipeline terminates 10 or miles downstream from the furthestmost downstream endpoint defined in this Section (192.8(a)(1)(A-D)). If an “incidental gathering” pipeline is 10 miles or more in length, the entire portion of the pipeline that is designated as an incidental gathering line under this Section (192.8(a)(1)(E)) and 2.2.1.2.6 of API RP 80 shall be classified as a transmission pipeline subject to all applicable regulations in this chapter for transmission pipelines.
      - (ii) the furthestmost downstream production operation; or
  2. transport gas from a point other than in a production operation exclusively to points in or adjacent to one or more production operations or gathering facility sites for use as fuel, gas lift, or gas injection gas within those operations;
- (b) and does not include a natural gas processing plant.

*Transmission line*<sup>4</sup> means a pipeline or connected series of pipelines, other than a gathering line, that:

- (1) transports gas from a gathering pipeline or storage facility to a distribution center, storage facility, or large volume customer that is not down-stream from a distribution center;
- (2) has an MAOP of 20 percent or more of SMYS;
- (3) transports gas within a storage field; or
- (4) is voluntarily designated by the operator as a transmission pipeline.

#### **Applicability of Definitions to this Case**

To evaluate the purpose, and the category, of the pipeline segment, one must determine two primary facts: what type of pipeline is the gas being received from and what type of pipeline, or to what endpoint, is the gas is being delivered. Because some segments of the System reviewed are bidirectional, this must be considered from both perspectives. Specifically, one must evaluate the function of the pipeline and how it relates to both the upstream and downstream pipeline sections. Information about each individual pipeline segment, and its relationships to those pipelines are found later in the report. In those cases where the System only flows in one direction, or serves only one functional purpose, the type of pipeline is noted.<sup>5</sup>

#### ***North to South Gas Delivery***

EKM receives gas from a tie-in with a TCEC transmission pipeline. In this case, the pipelines receiving gas from the TCEC transmission line are the KZ East and KZ West pipelines and are either transmission or distribution and will be regulated.

In this process flow, the following occurs between each of the regional sub-systems described below:

- North delivers to the Central sub-system.
- The Central sub-system then delivers to the Hazel Green compressor station where gas is delivered into one or more of the following pipelines:
  - A-1 (east to west);
  - A-2 (west to east); and,
  - Jackson Line (north to south).

In this scenario, transmission or distribution continues throughout the sub-system regardless of whether additional production is tied into the sub-system.

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<sup>4</sup> A large volume customer (including factories, power plants, and institutional users of gas) may receive volumes of gas similar to a distribution center.

<sup>5</sup> Because of the flexibility of the System reviewed, there are likely other configurations and flow patterns. Each one must be evaluated on a case-by-case basis to determine whether the function serves the purpose of, and meets the respective definition of, gathering, transmission or distribution. However, it will be one of those three for the purpose of applying the appropriate regulatory requirements.

### ***South to North Gas Delivery***

There are several lines that receive gas from sources of production throughout the System, which is delivered to the Hazel Green compressor station. As a result, these lines can, and are considered to meet the definition of gathering when the gas is flowing in the manner described below. These lines include:

- A-3 connecting to A-2
- Jackson East Loop delivering to the Jackson Line
- Panbowl delivering to the Jackson East Loop or Jackson Wolverine
- Jackson West Loop delivering to the Jackson Line
- SW Elkatawa delivering to the Jackson West Loop
- Lawson delivering to the Jackson West Loop

Two (2) other pipeline segments may be considered gathering, but more information is necessary regarding the operation of the lines:

- Cannel City line connecting to the A-3
- Salyersville connecting to the A-3

In this scenario, gathering continues until the C-Line tie-in to the KZ East system, which is a transmission or distribution segment.

### **Implications of Regulatory Applicability**

All pipelines meeting the definition of gathering, transmission or distribution are subject to regulation by PHMSA. Pipelines meeting certain criteria can be exempt from some or all regulatory requirements depending on operational considerations. PHMSA regulatory requirements pertaining to gathering, transmission and distribution systems can be found in 49 C.F.R §§ 191, 192, and 199. Additionally, the State of Kentucky has provided additional authority to KYPSC relating to pipeline safety. Those regulatory provisions can be found in Title 807, Chapter 5 of the Kentucky Administrative Regulations.

For the sub-systems reviewed the following applicability can be applied regardless of the pipeline type classification:

- The respective pipeline operator must:
  - establish an OPID with PHMSA;
  - immediately notify the National Response Center incident report that involves an event that meets the definition of incident in 49 C.F.R. § 191.3; and
  - file an annual report.

### ***Transmission or Distribution***

Safety requirements for distribution and transmission pipelines are found throughout the federal code as well as additional provisions in Kentucky regulations that exceed the federal requirements. EKM has pipelines that could be considered transmission. However, those lines do not appear to meet the criteria for being transmission lines because they do not operate at a MAOP of 20 percent or greater than SMYS. According to information gathered throughout the process, the greatest pressure on any of the segments or sub-

systems owned or operated by EKM is 110 psi<sup>6</sup>. It would be highly unusual if a system exceeded 20 percent of SMYS at this pressure. However, without specific operational data about the pipeline design – the material, design and operating pressure, SMYS, diameter and wall thickness, this cannot be determined with certainty.

According to the 2023 PHMSA annual report filed by EKM, the company reported 29 miles of transmission pipeline. It is unclear from that report which segment or segments of pipeline it has elected to treat as transmission. This would indicate that either pipelines are operating at a MAOP of 20 percent or greater of SMYS, or the company has elected to treat specific segments or systems as transmission on a voluntary basis.

One additional consideration for those lines considered to fit within the definition of distribution. It is possible, and further consideration should be given to whether any of the lines meet the definition of “Distribution Center”. This is a relatively new term adopted that may impact the regulatory requirements of certain lines or locations depending on KYPSC’s interpretation of the definition and specifically the use of “primarily”.

### ***Gathering***

For those systems determined to be gathering, an operator must determine three (3) specific pieces of information before the level of regulatory requirements are determined. They are:

- The MAOP of the pipeline segment;
- the percentage of SMYS; and
- the Class Location, or in the case of a Type C gathering line, the number of structures located within the Potential Impact Zone (PIR) or Class Location.

EKM operates at least five (five) gathering segments and/or sub-systems, three (3) distribution or transmission lines and nine (9) segments or systems that are either gathering or distribution or transmission systems depending on the determination of KYPSC as to how lines should be classified given the bidirectional flow issue outlined above. Even when that determination is made, classifying gathering into the one of four (4) potential classifications, or four (4) respective sub-categories of gathering is not possible without the operational information necessary to determine MAOP, percentage of SMYS and either the Class Location or number of structures within the PIR for those lines determined to be Type C. Without this information, it is not possible to determine what segments are subject to further safety requirements, and what those requirements are.

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<sup>6</sup> This information is contradicted by information on the 2022 and 2023 PHMSA annual reports as EKM reported having 68 miles of Type C gathering lines. Type C gathering lines are those lines greater than 8.625 inches in diameter and operated at a MAOP of greater than 20 percent of SMYS. This would indicate that higher pressures are present on some segments of the System.



### **Outstanding Issues**

There are a number of activities EKM should have, or be performing in association with its assets to be compliant with current regulatory requirements, regardless of whether some or all assets are regulated. These items are:

- The gathering survey required under 49 C.F.R. § 192.8(b) that establishes and documents the beginning- and end-points of gathering, and the justification(s) for each of those established points. This activity was required by November 22, 2022 and should be used to confirm the activities of EKM in terms of operational activities and purpose of each segment.
- The most recent Class Location survey conducted. This will confirm the gathering survey and the treatment of the gathering lines (and any transmission lines) for regulatory purposes. Without this survey, which should have been conducted and documented per 49 C.F.R. § 192.5(d), it is not possible to evaluate the applicable regulatory requirements for either gathering or transmission, no less actually complying with them.

EKM filed a 2023 annual report, which is consistent with the information provided to PHMSA in 2022 for both regulated gathering, transmission and Type R gathering. In order to complete this form, the company would have had to complete the Class Location survey outlined above. Further, the company would have had to have records relating to the pipeline material, diameter, MAOP, SMYS, and wall thickness for every segment in order to properly classify the lines in one of the eight (8) gathering categories or sub-categories. As discussed below in the System Overview, much of this information was not provided to KYPSA during this review. Further to this, EKM would have needed to file a Distribution Annual Report for the several of the systems, including, but not limited to KZ East and KW West, Means, and potentially C-Line, Trent/A-1, Cannal City, A-3, A-4, J-Line, Jackson East Loop, Jackson West Loop in the event the gas is being moved south from the Hazel Green Compressor Station and the Company has not elected to treat the systems as transmission.

### **Safety Issues**

While the primary purpose of this review was to determine the type of pipeline segments or sub-systems operated by EKM and the regulatory requirements applicable thereto, during the course of the field review several safety conditions were identified. These include a cracked valve, product release, and inaccurate or illegible pipeline location markers. Each of the items are described below.

### Cracked valve



This cracked valve is located at the inlet of the Van Lear compressor station skit at the eastern end of the J- Line just downstream of the connection with TCEC. Both the directional plate and upper plate are cracked, with the later also leaking grease packing. This segment is currently idle, and the valve is shut.

### Spill from Tank



This tank overflow and product spill was located at Van Lear compressor skid site, which is just upstream from the tie-in with the TCEC line on the east end of the J-Line. Another possible source of the release is a 2" disconnected line just to the left of the tank in the photo to the left. Is it unclear what the tanks are holding as there was no indication of a separator or other such appurtenance at the location.

## Pipeline markers



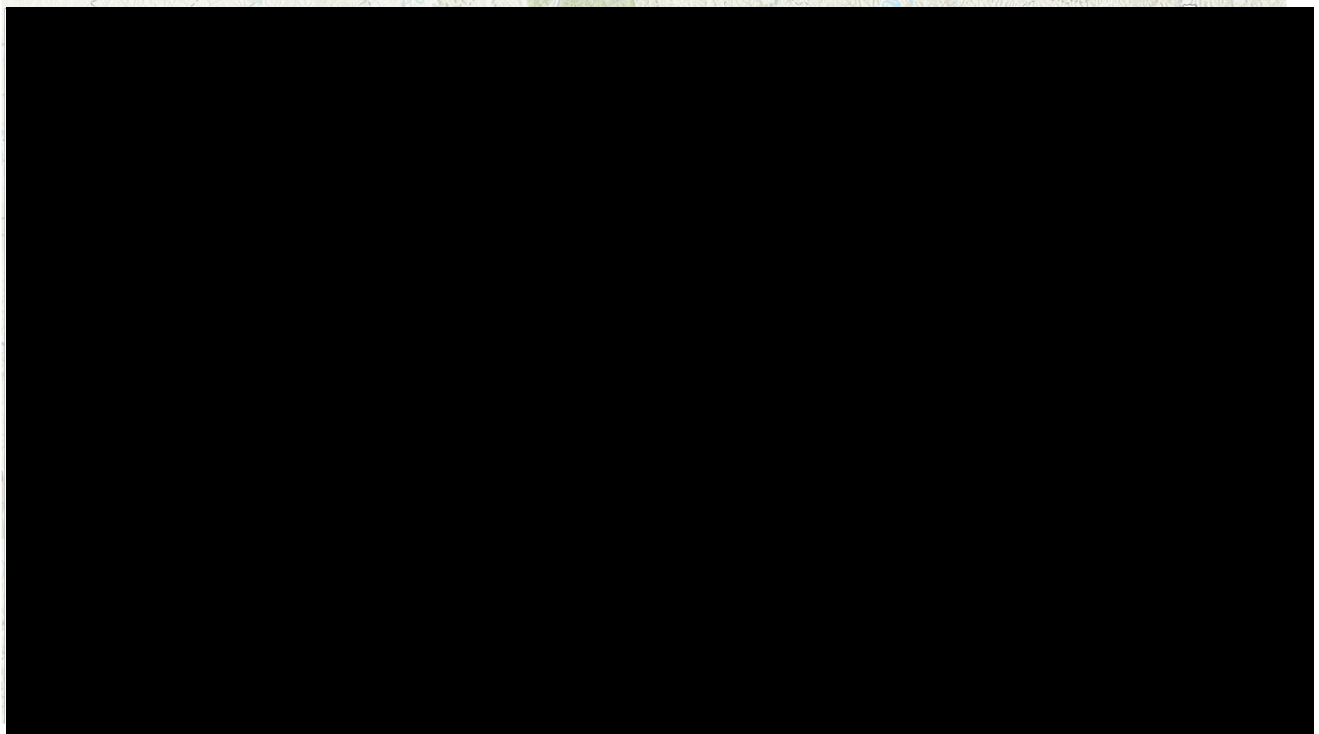
(Top Left) Line marker with illegible markings found in the Elkatawa Area.

(Top Right) Line marker with various Emergency Numbers, Trinity Lane, Elkatawa Area:

- 606.718.0152 rings to Kentucky Frontier Gas (KFG)
- 888.234.9639 rings to North East Ohio Gas Co. (NEO)
- 606.666.4304 is disconnected










(Bottom) Photo 3: Vent Pipe with contact information, found on the purchase (KFG) side of the EKM sales meter to KFG in Jackson West Loop line. The emergency number rings the KFG office.




## Overall System










-  Well Field Sales from Docket
-  Well Field Sales from 2008 Map
-  EKM Customer Meter
-  EKM Master Meter
-  KFG Public Meter
-  KFG Farm tap Meter

### Facilities

-  Compressor
-  Gas Well
-  Regulator Station
-  Supply Meter
-  Facilities
-  KFG Pipeline
-  EKM TC Energy Pipeline
-  EKM Jefferson Pipeline
-  Inaccurate Pipeline

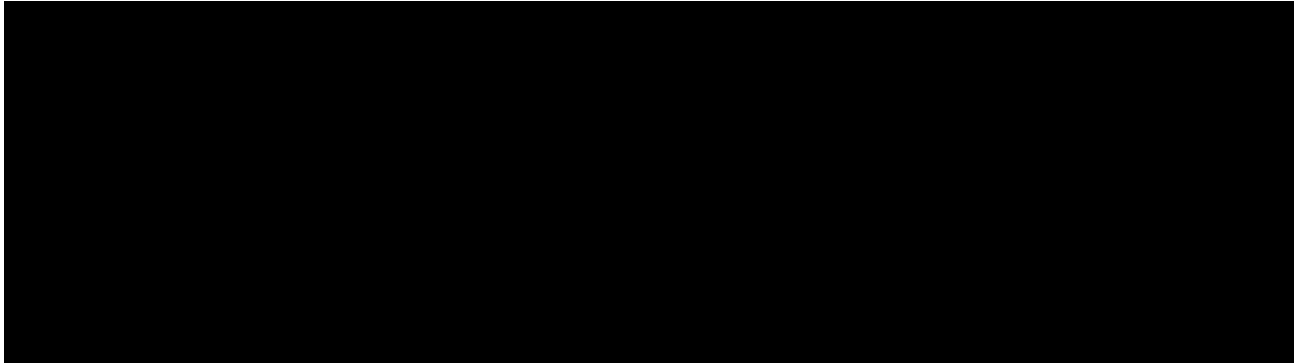
-  Jackson Line
-  Jackson East Loop
-  Jackson West Loop

-  Hazel Green
-  KZ East
-  KZ West
-  Lawson
-  Means
-  Pan-bowl, Sewell, Mtn Valley, Taube
-  Pine Ridge
-  Simpson
-  Trent A1 Line
-  Campton Northwest
-  Campton Southeast
-  Salyersville
-  Bear Pen Hollow

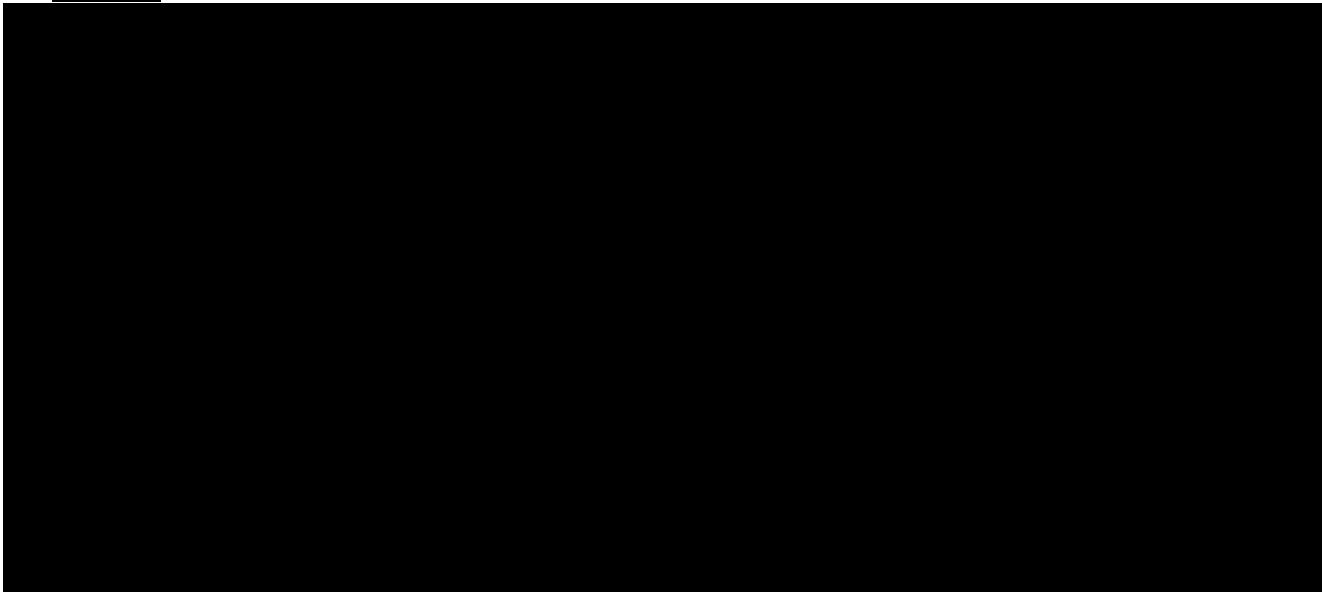
**Group 1 – North**

Group Components:

- KZ West (Yellow)
- KZ East (Deep Purple)
- Means (bright green)

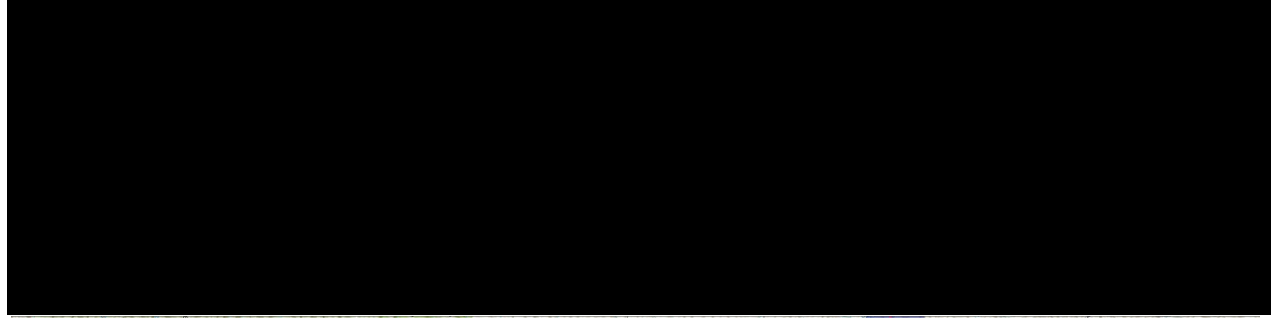


**KZ West**



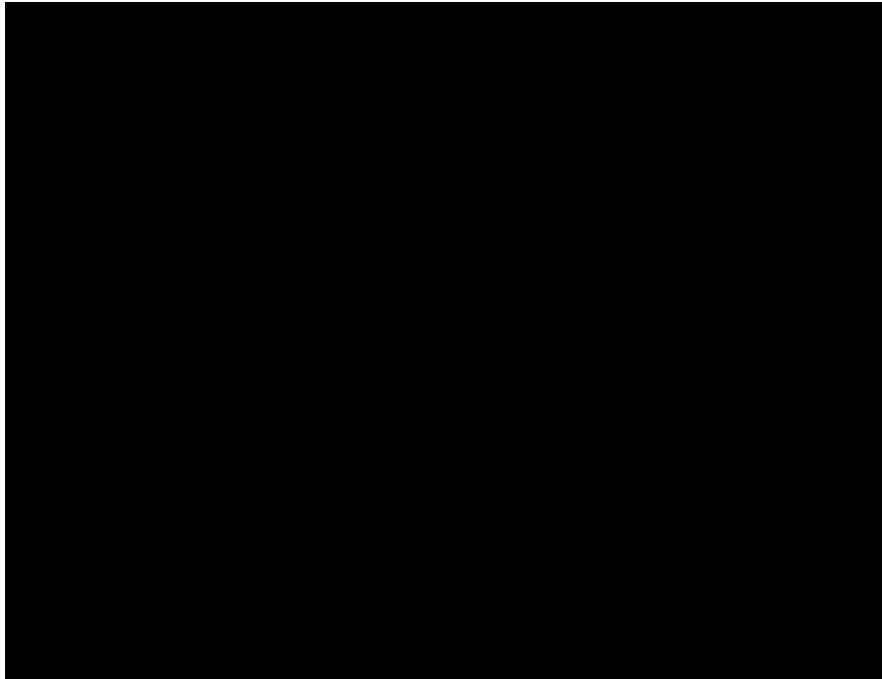
Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input type="checkbox"/>
Operational Description	Receipt from TCEC pipeline, which is north of EKM system, but the tie-in gas is south of the EKM pipeline, flowing east to west on pipeline. There is a compressor station located at junction between where KZ East and West meet (83.7728366°W 37.9464059°N) but it has not been operational in some time.		
Diameter: 12"	Material: Steel	SMYS: Unknown	Pressure: 60 to 110 psi Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/> Undetermined <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>

KZ East



Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/> Farm <input type="checkbox"/>	
Operational Description	Receipt from TCEC pipeline, which is north of EKM system, but the tie-in gas is south of the EKM pipeline, flowing west to east on pipeline. One producer ties in to the system near Liberty, but that does not change the classification of the system. The line provides gas to Delta, the federal prison and to C-Line.		
Diameter: 12"	Material: Steel	SMYS: Unknown	Pressure: 45 to 110 psi Wall Thickness: Unknown
Type of System:	Gathering A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

**Means**



Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input type="checkbox"/>
Operational Description	While we have no mapping from the system, the gas would be flowing from the KZ East West tie-in to feed the Means customers.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering:	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/> Undetermined <input type="checkbox"/>		



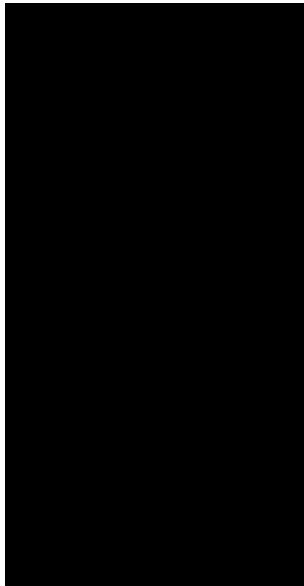
## **Group 2 – Central**

Group Components:

- C-line (Darker Blue Purple)
- KFG Hazel Green (Brown)
- Jackson Line (Grey Blue)

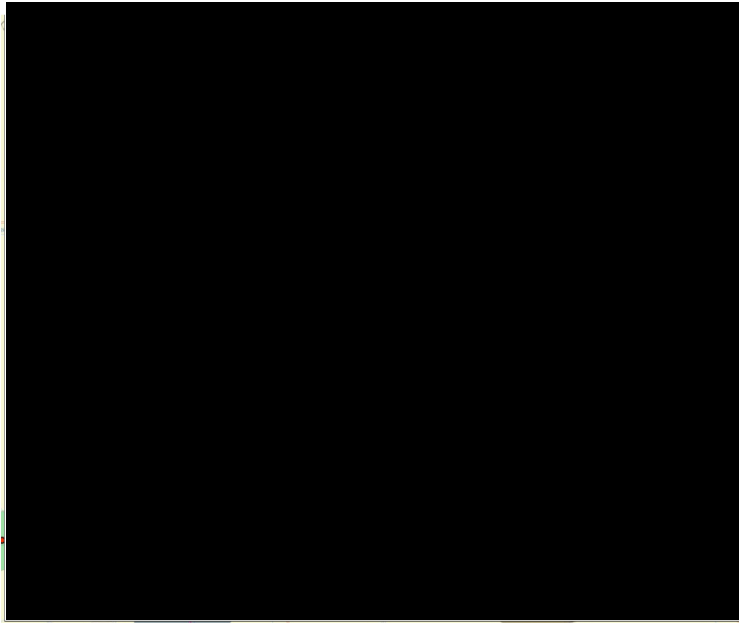


**C-line**



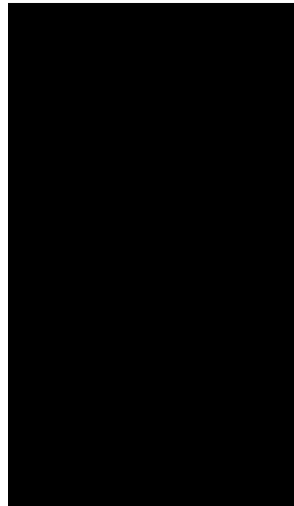
Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input checked="" type="checkbox"/>	Farm <input type="checkbox"/>
Operational Description	Connects the Central with the North regions of the System.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: 65 to 100 psi Wall Thickness: Unknown
Gas Flow Direction:	South from the KZ East line to provide gas to customers along the C-Line.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		
Gas Flow Direction:	North from the Hazel Green compressor. The segment would be considered incidental gathering because it is downstream of the furthest downstream compressor and connects with a pipeline other than another gathering line.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

**KFG Hazel Green**



Operator:	Eastern Kentucky	Kentucky Frontier	Disputed	<input type="checkbox"/>
Gas Meters/ Taps	Midstream EKM Master Meter <input checked="" type="checkbox"/>	Gas <input checked="" type="checkbox"/> KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>		
Operational Description	The C-Line provides gas to the Hazel Green distribution sub-system.			
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown	Wall Thickness: Unknown
Type of System: Undetermined <input type="checkbox"/>	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/> Undetermined <input type="checkbox"/>	Transmission	<input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>

**Jackson Line**

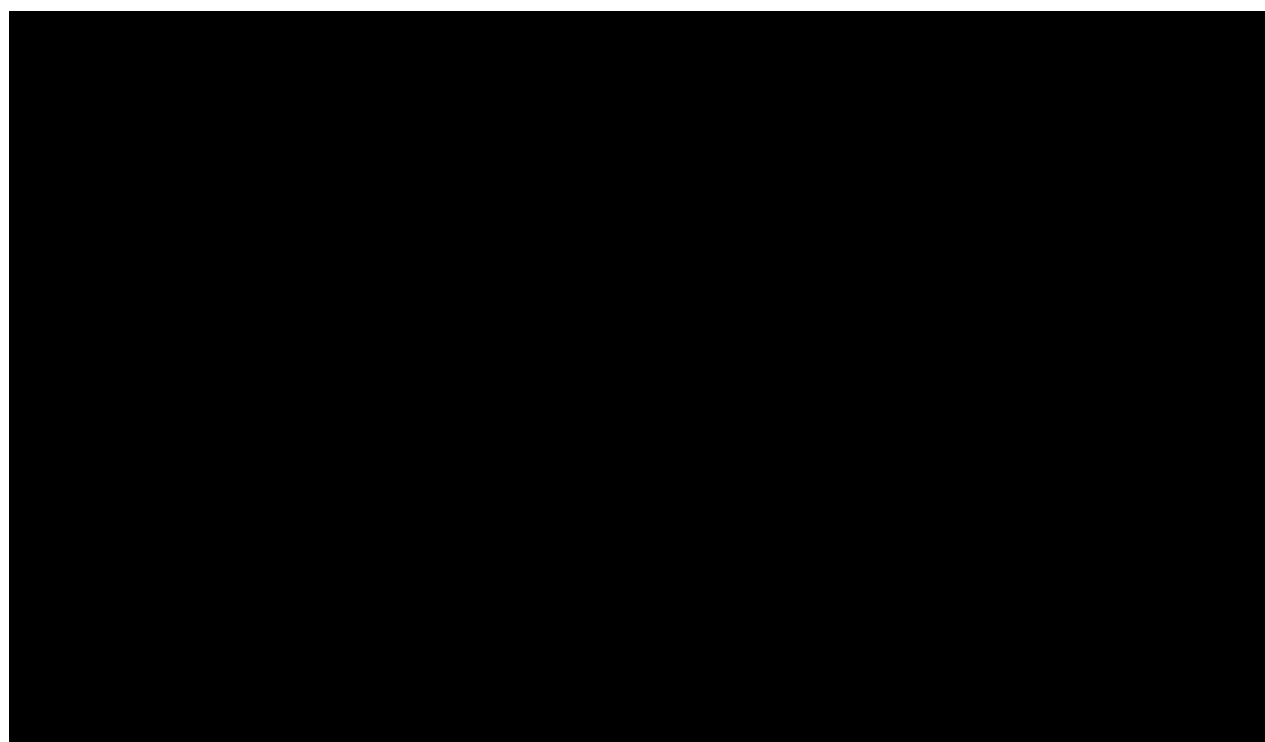


Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	The Jackson Line connects the Jackson Loop lines with the Hazel Green compressor station and C-Line.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown Wall Thickness: Unknown
Gas Flow Direction:	When traveling south from the C-Line and Hazel Green compressor station, the line would be considered distribution unless EKM were to designate it transmission.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		
Gas Flow Direction:	Traveling north from the Jackson Loop lines, it would be considered gathering.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

### **Group 3 – Southwest**

#### Group Components:

- Trent/ A-1 (Mint Green)
- Campton NW (Dark Blue)
- Campton SE (Purple)
- Pine Ridge (Salmon)
- High Falls - Continuation of A1 (Bright neon green)
- Bear Pen Hallow (deep orange)
- Cliftview (Green)



Trent/ A-1



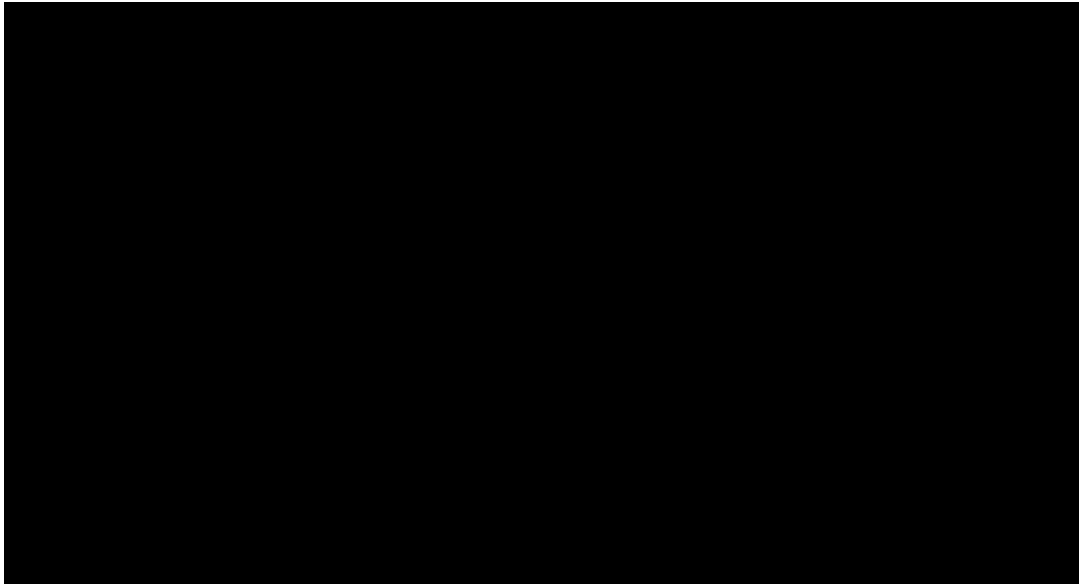
Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input type="checkbox"/>	KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	This sub-system only flows northeast to southwest as there is no source of gas on the western end of the sub-system to support all the customers along the lines as well as the distribution sub-systems. There are three potential sources of gas for this system C-Line, A-2 and Jackson. A-1 provides gas to all systems along route and ends downstream of the Cliftview sub-system.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown Wall Thickness: Unknown
Gas Flow Direction:	Gas flowing from C-Line to Hazel Green compressor and delivered to A-1.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

Gas Flow Direction:	Gas flowing from A-2 or Jackson Line to Hazel Green compressor and delivered to A-1. Under these scenarios, A-1 would be an incidental gathering line. <sup>7</sup>		
Type of System:	Gathering:	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>		
	Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

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<sup>7</sup> Under changes made to the definition of gathering adopted by PHMSA in 2021, this segment would become a transmission pipeline in the event that any repair or replacement were to occur on the line because it exceeds the 10-mile limitation on incidental gathering found in 49. C.F.R. § 192.8(a)(5).

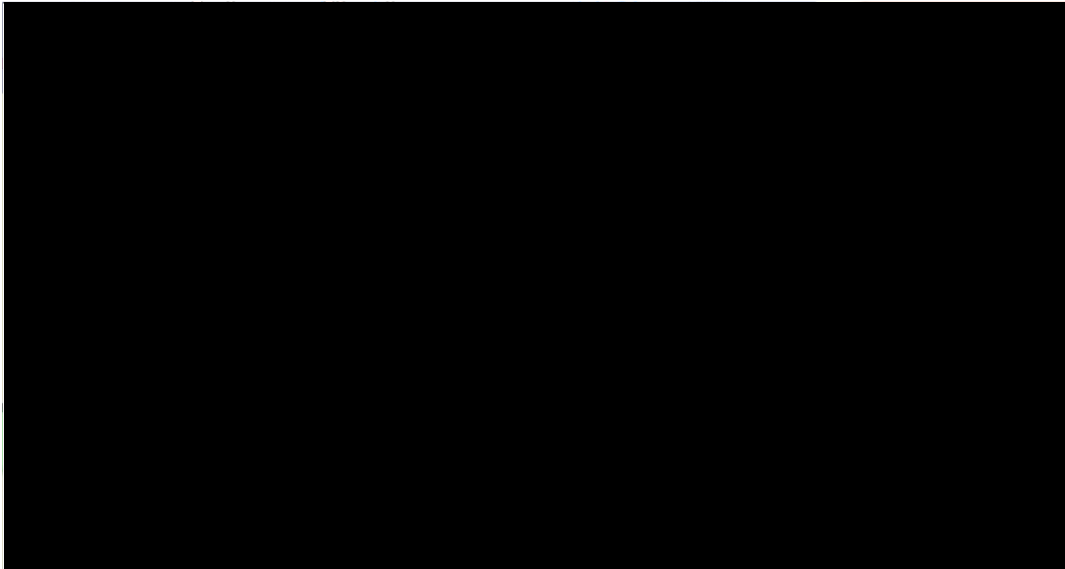
**Campton NW**



Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input checked="" type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM Campton and Pine Ridge Master Meters <input checked="" type="checkbox"/>	KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	The EKM A-1 line provides gas to both the Campton NW and Campton SE distribution sub-systems as it travels south.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		
Additional Notes:	While documents cite the Pine Ridge Master Meter, we believe it is serving the SE Compton sub-system.		
	See additional notes about Pine Ridge system below on page 25.		

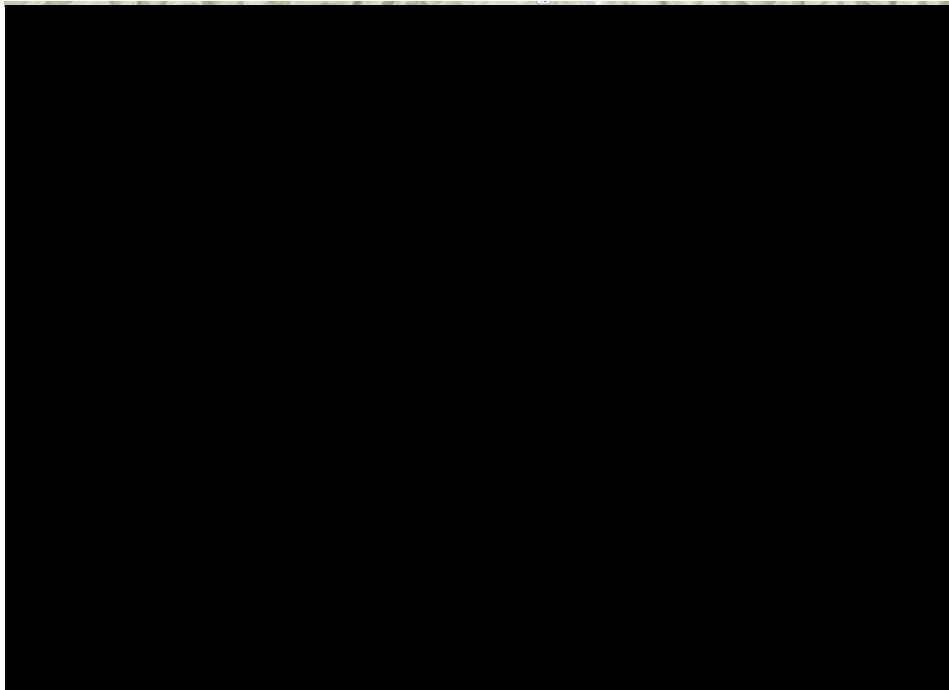


**Campton SE**



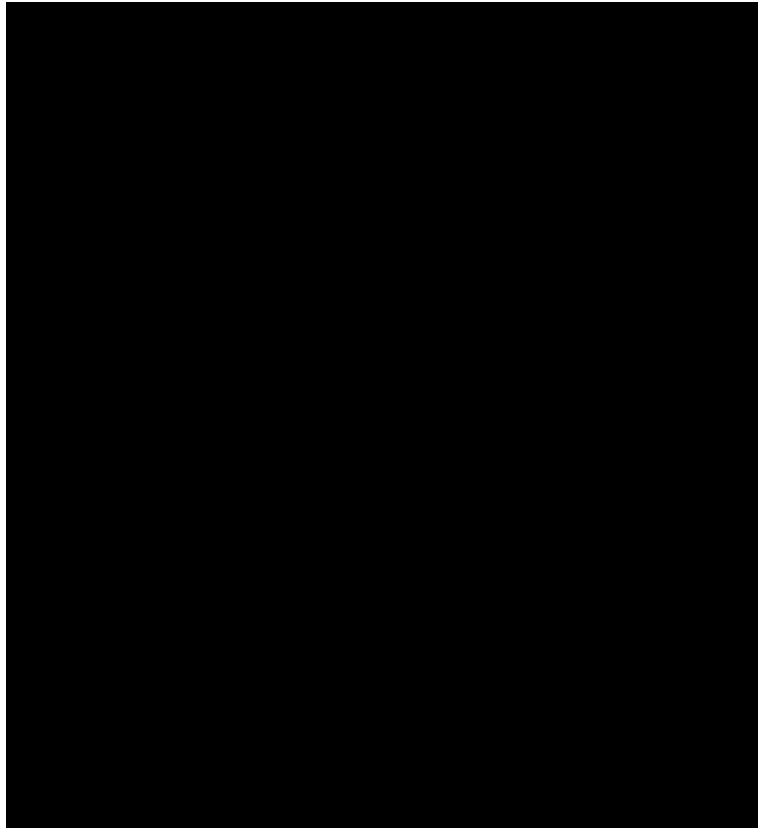
Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input checked="" type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	Single EKM Farm Tap <input checked="" type="checkbox"/>	KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	The EKM A-1 lines provides gas to the Campton SE distribution sub-systems as it travels south.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

**Pine Ridge**



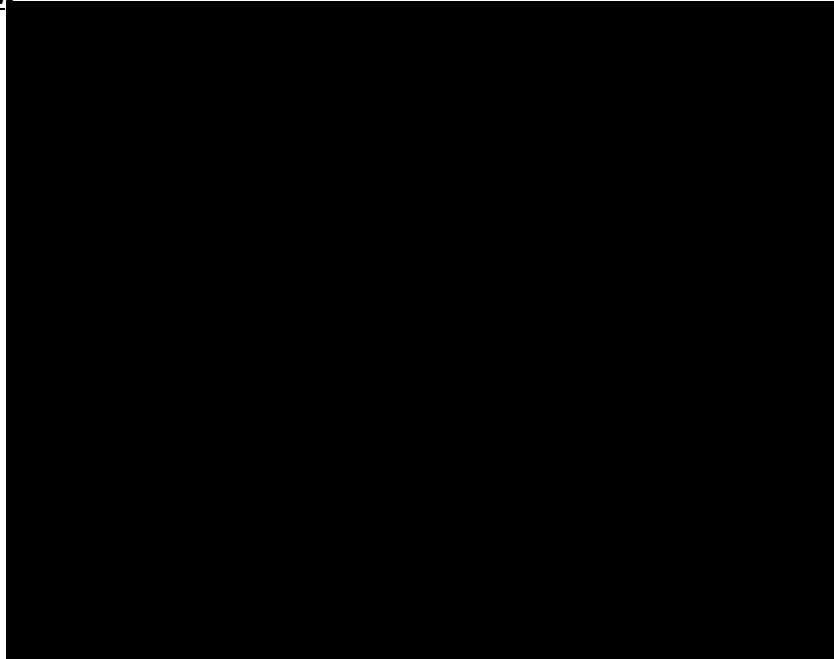
Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input checked="" type="checkbox"/>
Gas Meters/ Taps	EKM <input type="checkbox"/>	KFG Home <input checked="" type="checkbox"/>	Farm <input type="checkbox"/>
Operational Description	Details on this sub-system are unclear as the ownership is disputed by both EKM and KFG and no additional mapping is available.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

**High Falls**



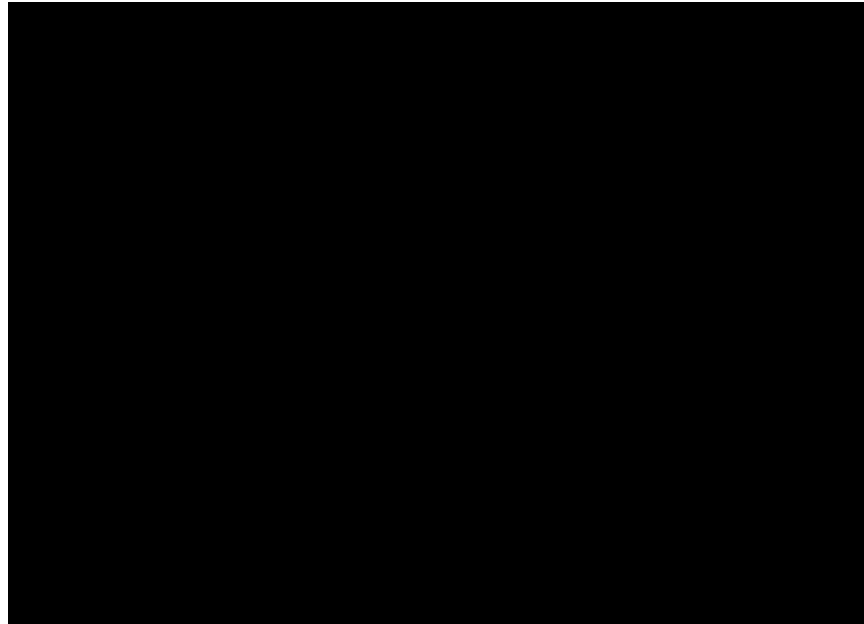
Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input checked="" type="checkbox"/>
Gas Meters/ Taps	EKM <input type="checkbox"/>	KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	Details on this sub-system are unclear as the ownership is disputed by both EKM and KFG and no additional mapping is available.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

**Bear Pen Hallow**



Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input checked="" type="checkbox"/>
Gas Meters/ Taps	EKM <input type="checkbox"/>	KFG Home <input checked="" type="checkbox"/>	Farm <input checked="" type="checkbox"/>
Operational Description	Details on this sub-system are unclear as the ownership is disputed by both EKM and KFG and no additional mapping is available.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

Cliftview



Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input checked="" type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG <sup>8</sup> Home <input type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	Details on this sub-system are unclear as the ownership is disputed by both EKM and KFG and no additional mapping is available.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering:	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

<sup>8</sup> These are listed as farm taps, but all are likely customer meters.

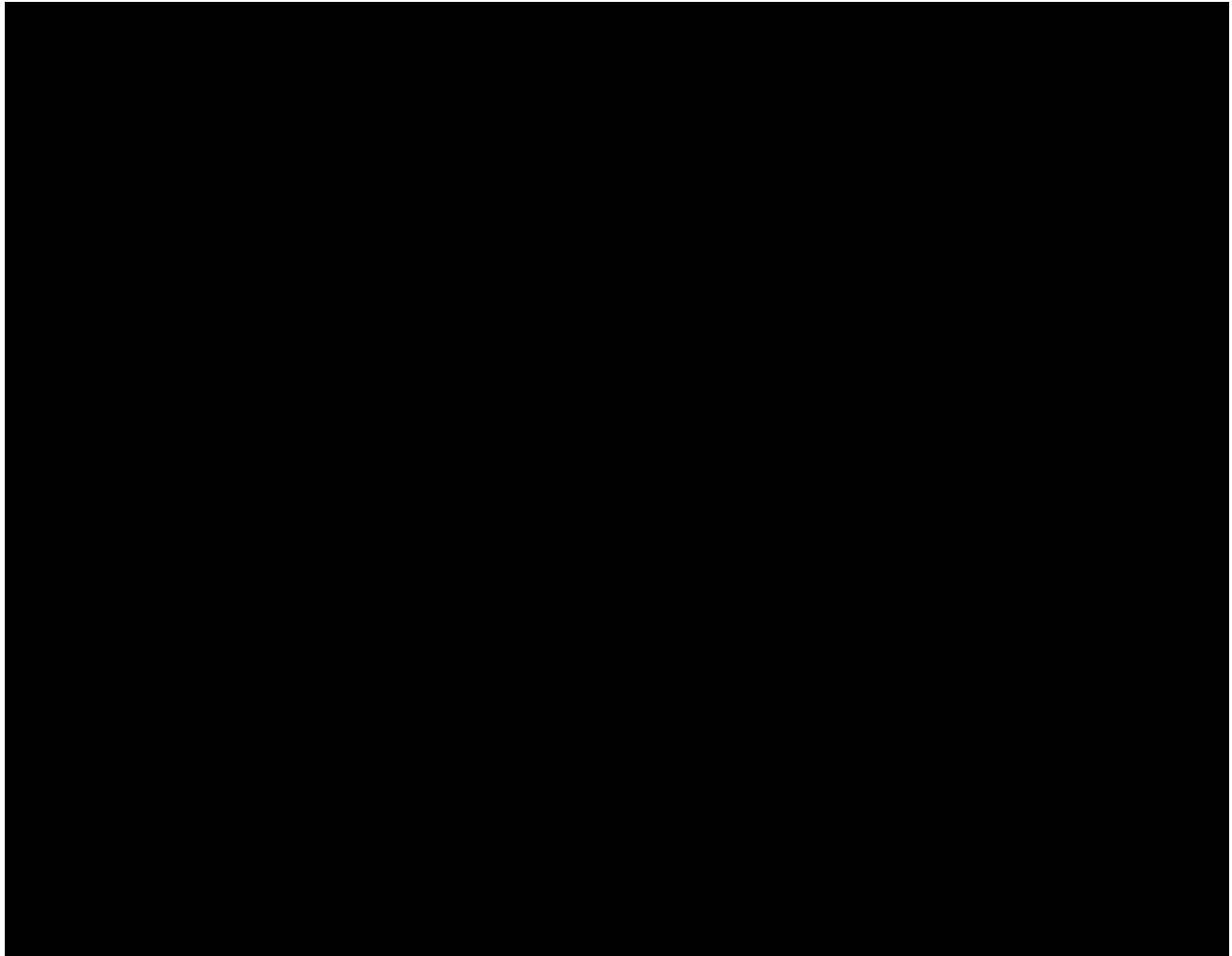
**Group 4 – East**

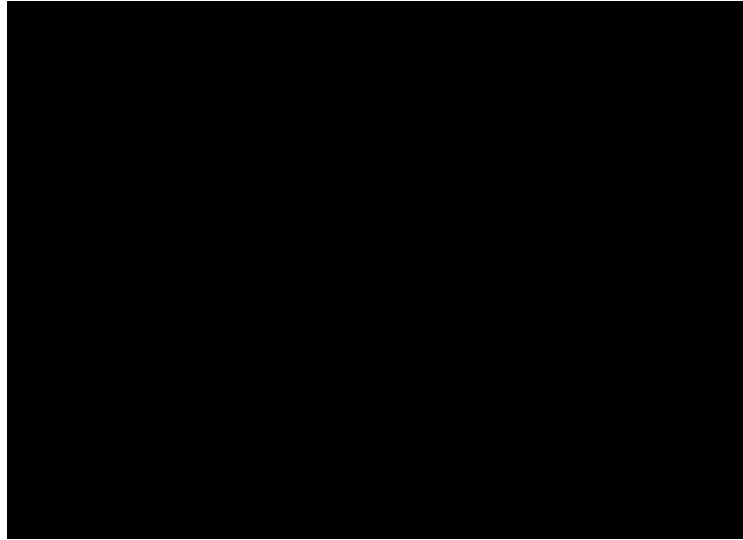
Group Components:

- A2 (Olive Green)
- Cannel City (Light Orange)
- A3 (Hot Pink)
- Salyersville (Coral)
- J-line Van Lear (Bright Green)
- A-4 (Teal)

Gas Flow Direction:

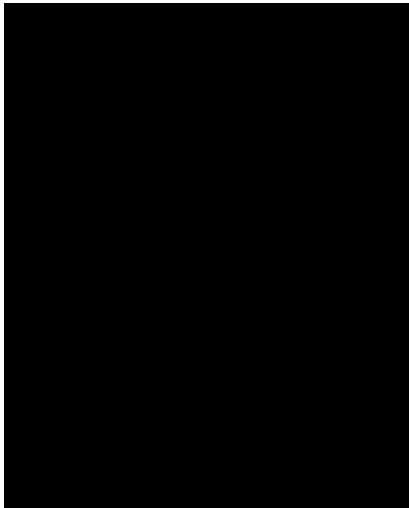
Other Notes:





Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	Gas is capable of flowing bidirectionally between the Hazel Green compressor station and the A-3 line.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: 5 to 30 psi Wall Thickness: Unknown
Gas Flow Direction:	The Hazel Green compressor is delivering gas into the A-2 line from the C-Line (north to south).		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		
Gas Flow Direction:	The Hazel Green compressor is delivering gas into the A-2 line from the Jackson Line (South to North).		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

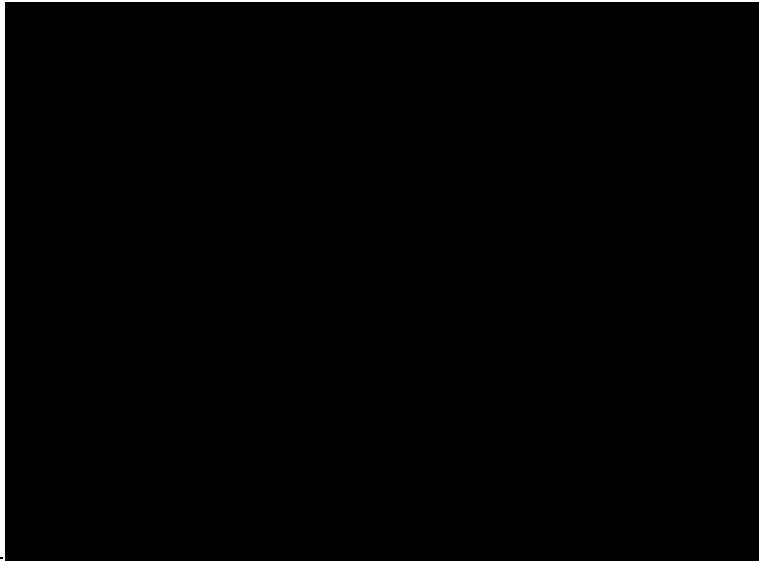
Cannel City



Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input checked="" type="checkbox"/>
Operational Description	While the sub-system could be bidirectional, it appears that production on the south end of the system supplies customers along the route. The gas supply is supplemented by additional production tie-ins to the south of the tie-in with the A-2 line. Note: portions of the sub-system are unmapped.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Gas Flow Direction:	When moves from the southwest end of the sub-system and delivers into the A-2 Line.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input checked="" type="checkbox"/>	
Gas Flow Direction:	If A-2 was receiving gas as a distribution line from Hazel Green and delivering it to Cannel City.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input type="checkbox"/>	

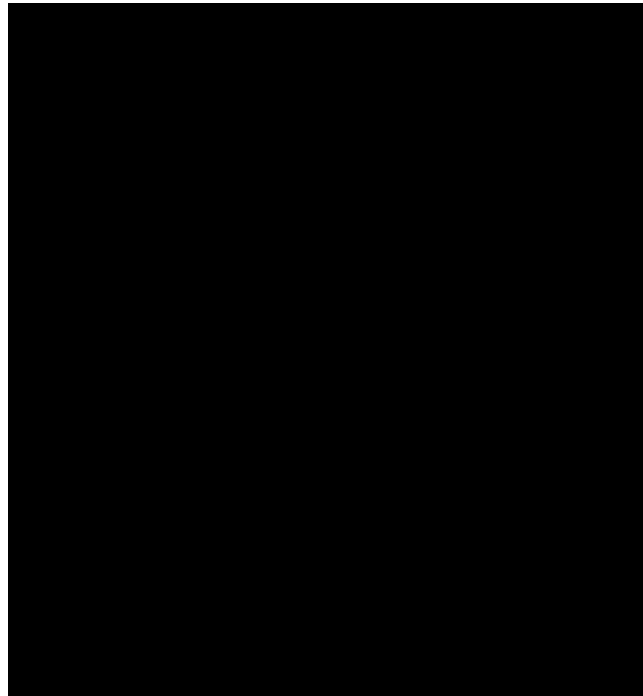


**A-3**



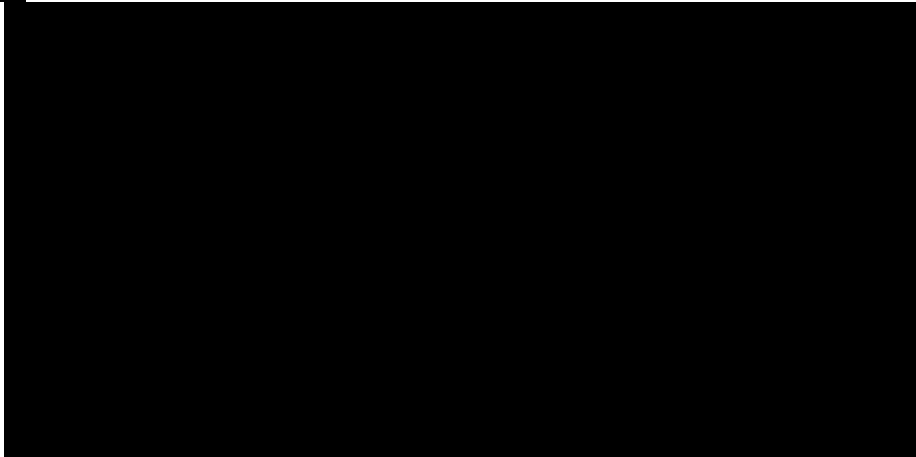
Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters / Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	This line is bidirectional and connects the A-2 line with the A-4 line and can provide gas to J-Line.		
Diameter:	Material:	SMYS:	Pressure:      Wall Thickness:
Unknown	Unknown	Unknown	50 to 60 psi      Unknown
Gas Flow Direction:	When Hazel Green compressor delivers gas into the A-2, which ties-into the A-3 Line from the C-Line.		
Type of System:	Gathering:	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input type="checkbox"/>	
Gas Flow Direction:	When Hazel Green compressor delivers gas into the A-2 line from the Jackson Line or when the A-3 line is moving gas from the east to the west and delivering gas into A-2 and the Hazel Green compressor.		
Type of System:	Gathering:	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
	A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>		
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input checked="" type="checkbox"/>	
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

Salyersville



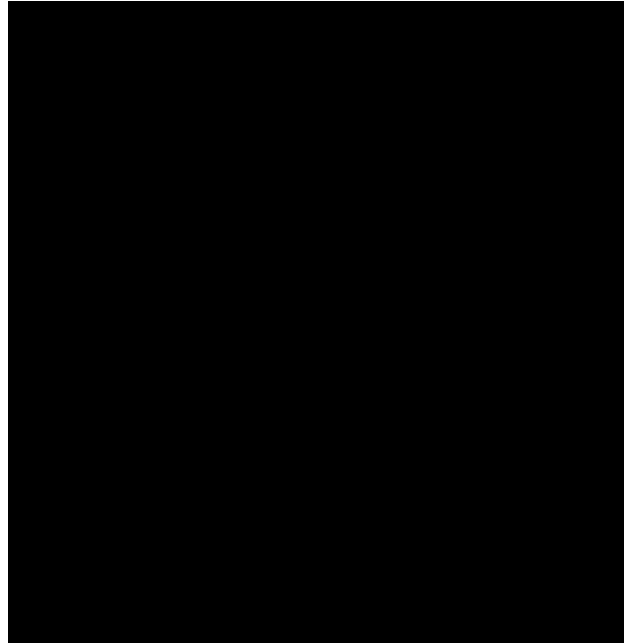
Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input type="checkbox"/>
Operational Description	This system is less clear as to purpose due to the pipeline north of the production tie-in location on the south end near the tie-in with A-3. This has previously been a sales line to the City of Salyersville, but the City of Salyersville no longer buys gas from EKM anymore.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Gas Flow Direction:	Gas is received from the production tie-in and delivers into the A-3 line.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input checked="" type="checkbox"/>	
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

**J-line Van Lear**



Operator:	Eastern Kentucky <input checked="" type="checkbox"/>	Kentucky Frontier <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	Midstream <input checked="" type="checkbox"/>	Gas <input type="checkbox"/>	
	EKM <input type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input type="checkbox"/>
Operational Description	Line parallels the A-3 and is currently idle. Sales location to the east of the compressor station which is tied into the TCEC line. The compressor was removed and then reinstalled, but is idle.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: 2 to 40 psi
			Wall Thickness: Unknown
Gas Flow Direction:	Receiving gas from Hazel Green via A-2 as a distribution line.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input type="checkbox"/>	
Gas Flow Direction:	Pulling gas from A-3, would result in the line being an incidental gathering line. <sup>9</sup>		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input checked="" type="checkbox"/>	
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

<sup>9</sup> Under changes made to the definition of gathering adopted by PHMSA in 2021, this segment would become a transmission pipeline in the event that any repair or replacement were to occur on the line because it exceeds the 10-mile limitation on incidental gathering found in 49. C.F.R. § 192.8(a)(5).

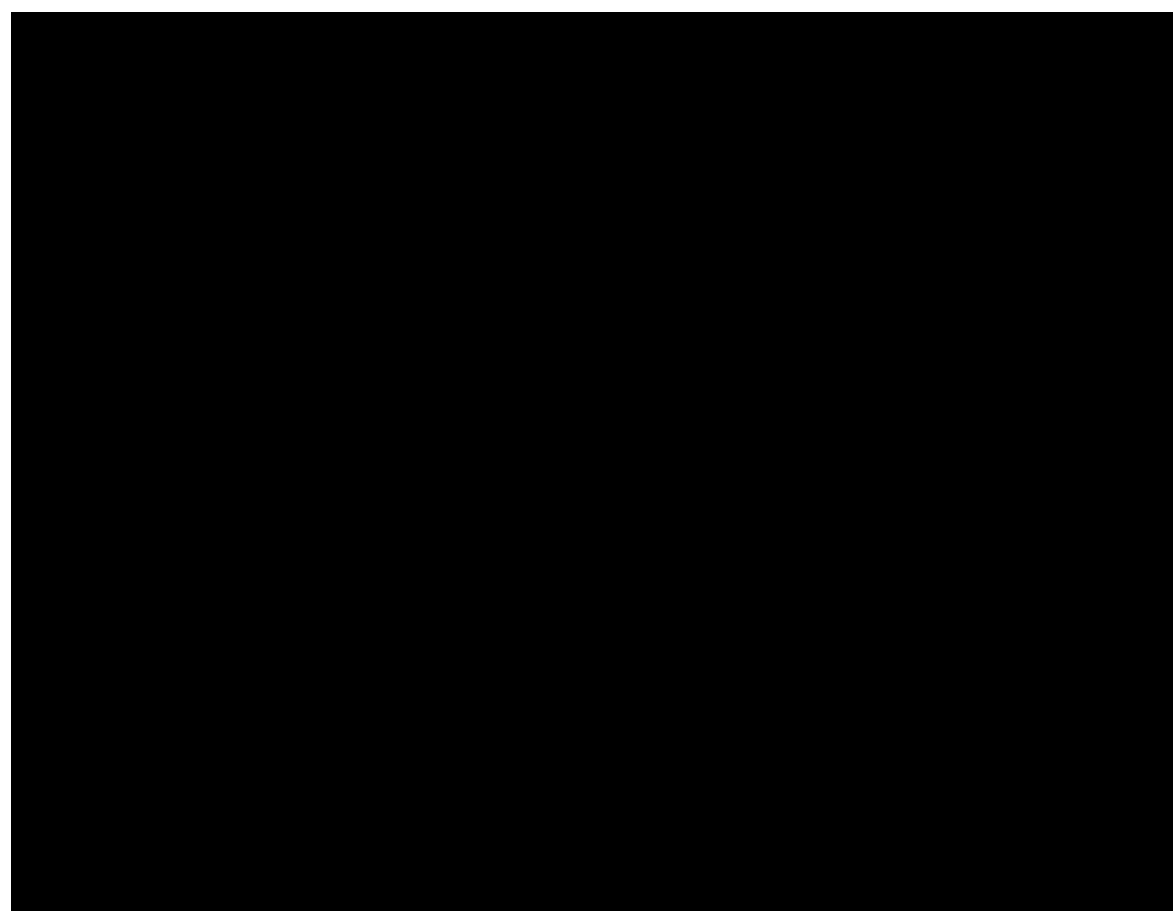


Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	Production is located at the southern end of the sub-system. There is a tie-in at the north end of the line to TCEC.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown Wall Thickness: Unknown
Gas Flow Direction:	Gas flows west to east, supplying several meters on the north end of the line.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

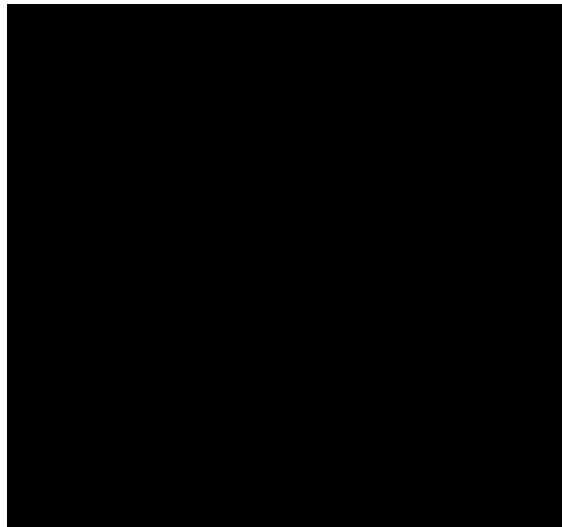
### **Group 5 – South**

#### **Group Components:**

- Jackson East Loop (Bright Purple)
- Simpson Line – (Lime Green)
- Panbowl, Sewel, Mountain Valley and Taube (Brown)
- Jackson West Loop (Light Green)
- Jackson Wolverine (Light Purple)
- SW Elkatawa (Salmon)
- Lawson (Deep Pink)

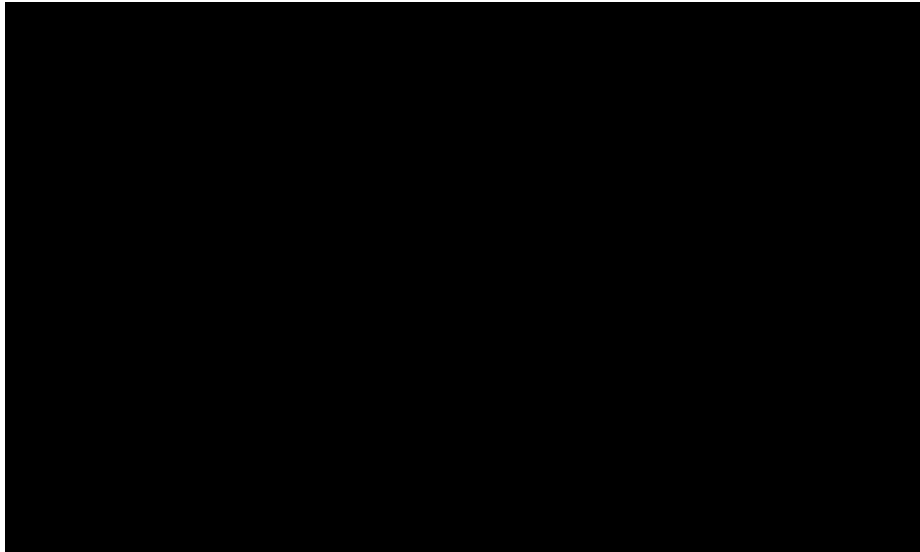


**Jackson East Loop**



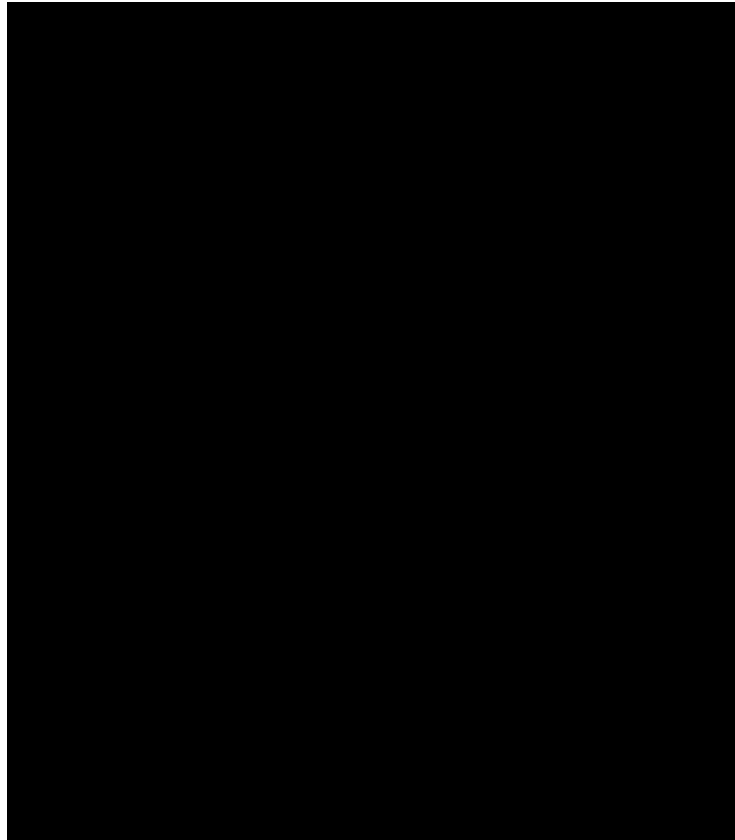
Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input checked="" type="checkbox"/>
Operational Description	Small compressor located off of Frozen Production sub-system. The line is bi-directional delivering gas from the Panbowl system to the Jackson Line. It can also deliver gas to Panbowl and Simpson.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Gas Flow Direction:	Receiving gas from Hazel Green via Jackson Line and provides to Simpson, Panbowl and Jackson Wolverine sub-systems.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input type="checkbox"/>	
Gas Flow Direction:	Moves gas from Panbowl north to Jackson Line.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>	Undetermined <input checked="" type="checkbox"/>	
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

**Simpson**



Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input checked="" type="checkbox"/>	
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input checked="" type="checkbox"/>	
Operational Description	Details on this sub-system are unclear as the ownership is disputed by both EKM and KFG and no additional mapping is available. However, gas is delivered from Jackson East Loop Line as no production or gathering occurs.			
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown	Wall Thickness: Unknown
Type of System: Undetermined <input type="checkbox"/>	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> R <input type="checkbox"/> Undetermined <input type="checkbox"/>	Transmission <input type="checkbox"/>		Distribution <input checked="" type="checkbox"/>

**Panbowl, Sewel, Mountain Valley and Taube**



Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input checked="" type="checkbox"/>
Operational Description	Gas is gathered from production throughout the sub-system and delivered into the Jackson East Loop.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

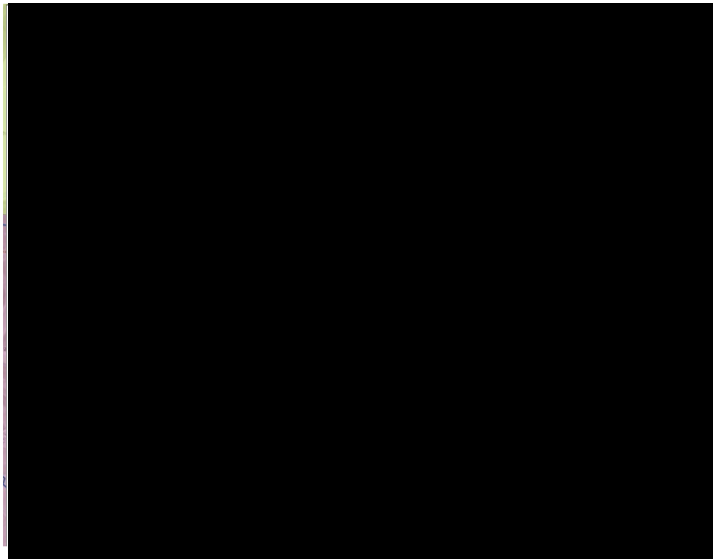


**Jackson West Loop**



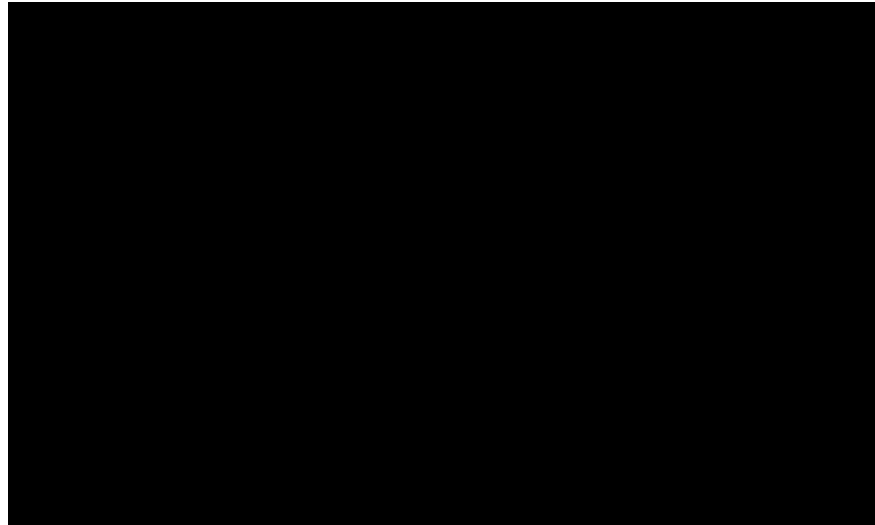
Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	The line is bi-directional delivering gas from the north side of the Jackson Wolverine system, SW Elkatawa and Lawson gathering sub-systems to the Jackson Line. It can also deliver gas to Jackson Wolverine.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown Wall Thickness: Unknown
Gas Flow Direction:	Gas is received from Jackson Line from the Hazel Green Compressor.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		
Gas Flow Direction:	Gas is gathered from the southern most part of the sub-system as well as the SW Elkatawa and Lawson sub-systems.		
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

**Jackson Wolverine**



Operator:	Eastern Kentucky Midstream <input type="checkbox"/>	Kentucky Frontier Gas <input checked="" type="checkbox"/>	Disputed <input checked="" type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input checked="" type="checkbox"/> Farm <input checked="" type="checkbox"/>	
Operational Description	The Jackson Wolverine sub-system is served by two delivery receipt points – Jackson Loop Lines East and West. Two master meters are also located on the sub-system. There is a disputed part of the sub-system in the north where farm taps are located.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input checked="" type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input type="checkbox"/>		

**SW Elkatawa**



Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input checked="" type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input checked="" type="checkbox"/>
Operational Description	Production on the south and western ends of the sub-system. Gas moves east and delivers to Jackson West Loop line. Areas of this sub-system are disputed.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/> Undetermined <input checked="" type="checkbox"/>		
Reason for Undetermined Status:	There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

**Lawson**



Operator:	Eastern Kentucky Midstream <input checked="" type="checkbox"/>	Kentucky Frontier Gas <input type="checkbox"/>	Disputed <input type="checkbox"/>
Gas Meters/ Taps	EKM <input checked="" type="checkbox"/>	KFG Home <input type="checkbox"/>	Farm <input checked="" type="checkbox"/>
Operational Description	While the map doesn't indicate the pipeline locations, there is production throughout the area supplying the local farm taps and ties into the Jackson West Loop Line at some point.		
Diameter: Unknown	Material: Unknown	SMYS: Unknown	Pressure: Unknown
			Wall Thickness: Unknown
Type of System:	Gathering: A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/>	Transmission <input type="checkbox"/>	Distribution <input type="checkbox"/>
Undetermined <input type="checkbox"/>	R <input type="checkbox"/>		
Reason for Undetermined Status:	Undetermined <input checked="" type="checkbox"/> There is not enough data to evaluate whether the line is operating at a MAOP of greater than or less than or equal to 20 percent of SMYS and there is no class location information available.		

\*L. Allyson Honaker  
Honaker Law Office, PLLC  
1795 Alysheba Way  
Suite 1203  
Lexington, KENTUCKY 40509

\*Kathryn A Eckert  
McBrayer PLLC  
201 East Main Street  
Suite 900  
Lexington, KENTUCKY 40507

\*Angela M Goad  
Assistant Attorney General  
Office of the Attorney General Office of Rate  
700 Capitol Avenue  
Suite 20  
Frankfort, KENTUCKY 40601-8204

\*Lawrence W Cook  
Assistant Attorney General  
Office of the Attorney General Office of Rate  
700 Capitol Avenue  
Suite 20  
Frankfort, KENTUCKY 40601-8204

\*Chris Harshbarger  
General Counsel  
Sanders Resources  
105 Moore Street, Apt 1  
, KENTUCKY 40741

\*Lindsay Sander  
Managing Member  
Sanders Resources  
710 Colorado  
Austin, TEXAS 78701

\*Dewayne Sims  
Director, GIS  
Sanders Resources  
105 Moore Street, Apt 1  
, KENTUCKY 40741

\*J. Michael West  
Office of the Attorney General Office of Rate  
700 Capitol Avenue  
Suite 20  
Frankfort, KENTUCKY 40601-8204

\*Jack Justice  
East Kentucky Midstream, LLC  
525 George Road  
PO Box 565  
Betsy Layne, KENTUCKY 41605

\*Steven E Shute  
Kentucky Frontier  
PO Box 408  
2963 Ky Rte 321 North  
Prestonsburg, KENTUCKY 41653

\*Honorable Jason R Bentley  
Attorney at Law  
McBrayer PLLC  
201 East Main Street  
Suite 900  
Lexington, KENTUCKY 40507

\*John Horne  
Office of the Attorney General Office of Rate  
700 Capitol Avenue  
Suite 20  
Frankfort, KENTUCKY 40601-8204