CLAIMS

1. A system comprising:

a fracturing manifold;

a plurality of fracturing trees; and

a plurality of fluid conduits coupled between the fracturing manifold and the plurality of fracturing trees to enable receipt of fracturing fluid by the plurality of fracturing trees from the fracturing manifold, wherein each fracturing tree of the plurality of fracturing trees coupled to the fracturing manifold is coupled to the fracturing manifold by at least one rigid fluid conduit of the plurality of fluid conduits so as to provide one and only one rigid fluid pathway from the fracturing manifold to the fracturing tree, and the one and only one rigid fluid pathway is not coupled to the fracturing manifold to provide the fracturing fluid from the fracturing manifold to any other fracturing tree.

2. The system of claim 1, comprising a first goat head at the fracturing manifold and a second goat head at a fracturing tree of the plurality of fracturing trees, wherein the first goat head and the second goat head are in fluid communication with each other.

3. The system of claim 1, wherein the fracturing manifold includes:

a shared trunk conduit for routing fracturing fluid to multiple fracturing trees of the plurality of fracturing trees; and

outlet branches for routing fracturing fluid from the shared trunk conduit to individual fracturing trees of the multiple fracturing trees.

4. The system of claim 3, wherein the outlet branches of the fracturing manifold include valves to individually control flow of fracturing fluid from the shared trunk conduit to the multiple fracturing trees.

5. The system of claim 4, wherein the outlet branches of the fracturing manifold include:

a first outlet branch having two valves connected in series to control flow of fracturing fluid to a first fracturing tree of the multiple fracturing trees; and

a second outlet branch having two valves connected in series to control flow of fracturing fluid to a second fracturing tree of the multiple fracturing trees.

6. The system of claim 5, wherein the first outlet branch of the fracturing manifold includes a goat head attached in series with the two valves of the first outlet branch such that, in operation, fracturing fluid can be routed from the shared trunk conduit through the two valves of the first outlet branch to the goat head.

7. The system of claim 1, wherein the at least one rigid fluid conduit includes a plurality of pipe joints coupled to one another.

8. The system of claim 7, wherein the at least one rigid fluid conduit includes an elbow.

9. The system of claim 1, wherein the at least one rigid fluid conduit is an adjustable fluid conduit that allows an operator to vary a dimension of the fluid conduit to facilitate coupling of the fluid conduit between the fracturing manifold and a fracturing tree of the plurality of fracturing trees.

10. The system of claim 1, wherein the at least one rigid fluid conduit includes an adjustment joint that provides at least one translational degree of freedom in aligning the at least one rigid fluid conduit between the fracturing manifold and a fracturing tree of the plurality of fracturing trees.

11. A system comprising:

a fracturing fluid distribution manifold for providing fracturing fluid to a plurality of wells, the fracturing fluid distribution manifold including a trunk line and multiple outlet branches in fluid communication with the trunk line for routing fracturing fluid from the trunk line toward the plurality of wells via the multiple outlet branches, wherein the multiple outlet branches include a first outlet branch and a second outlet branch, the first outlet branch includes a first pair of valves connected in series to control flow of fracturing fluid from the trunk line through the first outlet branch toward a first well of the plurality of wells, and the second outlet branch includes a second pair of valves connected in series to control flow of fracturing fluid from the trunk line through the second outlet branch toward a second well of the plurality of wells, wherein the fracturing fluid distribution manifold is coupled to provide fracturing fluid from the trunk line to the first well by one and only one rigid fluid pathway and to provide fracturing fluid from the trunk line to the second well by one and only one additional rigid fluid pathway, the one and only one rigid fluid pathway includes the first

outlet branch, the one and only one additional rigid fluid pathway includes the second outlet branch, and neither the one and only one rigid fluid pathway nor the one and only one additional rigid fluid pathway is connected to distribute fracturing fluid to more than one well of the plurality of wells.

12. The system of claim 11, wherein the multiple outlet branches are coupled to the trunk line at connection blocks of the trunk line.

13. The system of claim 11, wherein the multiple outlet branches include at least one additional outlet branch and each additional outlet branch includes a pair of valves connected in series to control flow of fracturing fluid from the trunk line through the additional outlet branch toward an additional well of the plurality of wells.

14. The system of claim 11, comprising a plurality of fracturing trees coupled to receive fracturing fluid from the trunk line of the fracturing fluid distribution manifold via the multiple outlet branches.

15. The system of claim 11, wherein the first well is in fluid communication with the trunk line of the fracturing fluid distribution manifold via a goat head at the first outlet branch and at least one additional goat head.

16. The system of claim 15, wherein the goat head at the first outlet branch is mounted to a valve of the first pair of valves.

17. A method comprising:

assembling a fracturing manifold having a trunk line for distributing fracturing fluid to multiple wells through multiple outlets of the fracturing manifold;

connecting the fracturing manifold to the multiple wells via rigid conduits positioned to receive fracturing fluid from the multiple outlets such that the rigid conduits, for each well of the multiple wells, provide one and only one fluid pathway for fracturing fluid to flow from the fracturing manifold to the well, and the one and only one fluid pathway for each well is not shared by another well; and

routing fracturing fluid from the fracturing manifold to the multiple wells through the rigid conduits.

18. The method of claim 17, wherein assembling the fracturing manifold includes assembling the fracturing manifold so as to include outlet branches having valves for controlling flow of fracturing fluid from the trunk line to the multiple outlets, and routing fracturing fluid from the fracturing manifold to the multiple wells through the rigid conduits includes operating the valves of the outlet branches to control flow of fracturing fluid to the multiple wells through the rigid conduits.

19. The method of claim 18, wherein assembling the fracturing manifold so as to include outlet branches having valves for controlling flow of fracturing fluid from the trunk line to the multiple outlets includes providing at least one outlet branch that is in fluid communication with the trunk line and that includes: a first valve coupled to the trunk line, a second valve connected downstream of the first valve, and a goat head connected downstream of the second valve.