CLAIMS

What is claimed is:

1. A wellbore servicing system comprising:

a casing string disposed within a wellbore;

a work string at least partially disposed within the casing string and having a wellbore servicing tool incorporated therein,

wherein the wellbore servicing tool is selectively transitionable between a jetting configuration and a mixing configuration,

wherein the wellbore servicing tool is configured to transition between the jetting configuration and the mixing configuration via contact between the wellbore servicing tool and the casing upon movement of the work string upwardly within the casing string, upon movement of the work string downwardly within the casing string, or by combinations thereof.

2. The wellbore servicing system of claim 1, wherein the wellbore servicing tool is configured to transition:

first, from an indexing configuration to the jetting configuration;

second, from the jetting configuration to the indexing configuration;

third, from the indexing configuration to the mixing configuration; and

fourth, from the mixing configuration to the indexing configuration.

3. The wellbore servicing system of claim 2,

wherein the wellbore servicing tool is configured to transition from the indexing configuration to the jetting configuration upon movement of the work string upwardly within the casing string,

wherein the wellbore servicing tool is configured to transition from the jetting configuration to the indexing configuration upon movement of the work string downwardly within the casing string,

wherein the wellbore servicing tool is configured to transition from the indexing configuration to the mixing configuration upon movement of the work string upwardly within the casing string, and

wherein the wellbore servicing tool is configuration to transition from the mixing configuration to the indexing configuration upon movement of the work string downwardly within the casing string.

4. The wellbore servicing system of any of claims 2-3, wherein the wellbore servicing tool comprises:

a housing generally defining an axial flowbore and comprising:

one or more high-pressure ports; and

one or more low-pressure ports;

a mandrel slidably positioned within the housing; and

one or more drag block assemblies, wherein the one or more drag block assemblies are configured to impart longitudinal movement to the mandrel via said contact between the wellbore servicing tool and the casing.

5. The wellbore servicing system of claim 4,

wherein, when the wellbore servicing tool is in the jetting configuration, the mandrel blocks a route of fluid communication via the one or more low-pressure ports, and

wherein, when the wellbore servicing tool is in the mixing configuration, the mandrel does not block the route of fluid communication via the one or more low-pressure ports.

6. The wellbore servicing system of any of claims 4-5, wherein the movement of the mandrel relative to the housing is controlled by a J-slot.

7. The wellbore servicing system of claim 6, wherein the J-slot comprises:

a slot circumferentially disposed about at least a portion of the mandrel; and

a lug extending radially inward from the housing.

8. The wellbore servicing system of any of claims 2-7, wherein the wellbore servicing tool is configured to provide an upward route of fluid communication therethrough in the indexing configuration, in the jetting configuration, and in the mixing configuration.

9. The wellbore servicing system of any of claims 1-8, wherein the wellbore servicing tool is configured to transition between the jetting configuration and the mixing configuration without communicating an obturating member to the wellbore servicing apparatus, without removing an obturating member from the wellbore servicing apparatus, or combinations thereof.

10. The wellbore servicing system of any of claims 4-6, wherein the one or more drag block assemblies are configured to provide said contact between the wellbore servicing tool and the casing.

11. A wellbore servicing tool comprising:

a housing generally defining an axial flowbore and comprising:

one or more high-pressure ports; and

one or more low-pressure ports;

a mandrel slidably positioned within the housing; and

one or more drag block assemblies, wherein the one or more drag block assemblies are configured to impart longitudinal movement to the mandrel via contact with a wellbore or casing surface,

wherein, when the wellbore servicing tool is in a jetting configuration, the mandrel blocks a route of fluid communication via the one or more low-pressure ports,

wherein, when the wellbore servicing tool is in a mixing configuration, the mandrel does not block the route of fluid communication via the one or more low-pressure ports, and

wherein the wellbore servicing tool is configured to transition between the jetting configuration and the mixing configuration upon upward movement of the housing relative to the casing string, upon downward movement of the housing relative to the casing string, or by combinations thereof.

12. The wellbore servicing system of claim 11, wherein the wherein the wellbore servicing tool is configured to transition between the jetting configuration and the mixing configuration without communicating an obturating member to the wellbore servicing apparatus, without removing an obturating member from the wellbore servicing apparatus, or combinations thereof.

13. A wellbore servicing method comprising:

positioning a work string having a wellbore servicing tool incorporated therein within a casing string disposed within a wellbore, wherein the work string is positioned such that the wellbore servicing tool is proximate to a first subterranean formation zone;

configuring the wellbore servicing tool via contact with the casing string to deliver a jetting fluid, wherein configuring the wellbore servicing tool comprises moving the work string upwardly with respect to the casing, moving the work string downwardly with respect to the casing, or combinations thereof;

communicating the jetting fluid via the wellbore servicing tool;

configuring the wellbore servicing tool via contact with the casing string to deliver at least a portion of a fracturing fluid, wherein configuring the wellbore servicing tool comprises moving the work string upwardly with respect to the casing, moving the work string downwardly with respect to the casing, or combinations thereof; and

communicating at least a portion of the fracturing fluid via the wellbore servicing tool.

14. The method of claim 13, wherein communicating the jetting fluid via the wellbore servicing tool forms a perforation within the casing string, a cement sheath surrounding the casing string, a wellbore wall, or combinations thereof.

15. The method of any of claims 13-14, wherein communicating at least a portion of the fracturing fluid via the wellbore servicing tool comprises communicating a first component fluid of the fracturing fluid via a first route of fluid communication, wherein the first route of fluid communication comprises a flowbore of the work string.

16. The method of claim 15, further comprising communicating a second component fluid of the fracturing fluid via a second route of fluid communication, wherein the second route of fluid communication comprises an annular space between the work string and the casing string.

17. The method of any of claims 13-16, wherein communicating at least a portion of the fracturing fluid via the wellbore servicing tool initiates and/or extends a fracture within the first subterranean formation zone.

18. The method of any of claims 13-17, wherein the wellbore servicing tool comprises:

a housing generally defining an axial flowbore and comprising:

one or more high-pressure ports; and

one or more low-pressure ports;

a mandrel slidably positioned within the housing;

one or more drag block assemblies contacting an inner bore surface of the casing string; and

a J-slot configured to control the movement of the mandrel relative to the housing.

19. The method of claim 18, wherein the wellbore servicing tool is configured to transition:

first, from an indexing configuration to the jetting configuration;

second, from the jetting configuration to the indexing configuration;

third, from the indexing configuration to the mixing configuration; and

fourth, from the mixing configuration to the indexing configuration.

20. The wellbore servicing system of claim 19,

wherein transitioning the wellbore servicing tool from the indexing configuration to the jetting configuration comprises moving of the work string upwardly within the casing string,

wherein transitioning the wellbore servicing tool from the jetting configuration to the indexing configuration comprises moving the work string downwardly within the casing string,

wherein transitioning the wellbore servicing tool from the indexing configuration to the mixing configuration comprises moving the work string upwardly within the casing string, and

wherein transitioning wellbore servicing tool from the mixing configuration to the indexing configuration comprises moving the work string downwardly within the casing string.

21. The wellbore servicing system of any of claims 13-20, further comprising determining a position of the wellbore servicing tool within the wellbore, wherein the position of the wellbore servicing tool is determined via the contact with the casing string.

22. The wellbore servicing system of claim 21, wherein the wellbore servicing tool interacts with one or more features of the casing string.

23. A wellbore servicing system comprising:

a casing string disposed within a wellbore;

a work string at least partially disposed within the casing string and having a wellbore servicing tool incorporated therein, wherein the wellbore servicing tool comprises:

a housing generally defining an axial flowbore and comprising:

one or more high-pressure ports; and

one or more low-pressure ports;

a mandrel slidably positioned within the housing; and

one or more drag block assemblies contacting an inner bore surface of the casing string, wherein the one or more drag block imparts longitudinal movement to the mandrel,

wherein, when the wellbore servicing tool is in a jetting configuration, the mandrel blocks a route of fluid communication via the one or more low-pressure ports,

wherein, when the wellbore servicing tool is in a mixing configuration, the mandrel does not block the route of fluid communication via the one or more low-pressure ports, and

wherein the wellbore servicing tool transitions between the jetting configuration and the mixing configuration upon upward movement of the housing relative to the casing string, upon downward movement of the housing relative to the casing string, or by combinations thereof.

CLAIMS

1. A wellbore servicing system comprising:

a casing string disposed within a wellbore;

a work string at least partially disposed within the casing string and having a wellbore servicing tool incorporated into the work string, the wellbore servicing tool comprising:

a housing generally defining an axial flowbore;

a mandrel positioned within, and adapted to slide axially in relation to, the housing; and

one or more drag block assemblies connected to, and adapted to move axially together with the mandrel;

wherein the wellbore servicing tool is selectively transitionable between a jetting configuration and a mixing configuration;

wherein the wellbore servicing tool is configured to transition between the jetting configuration and the mixing configuration via contact between the wellbore servicing tool and the casing string, upon movement of the work string upwardly within the casing string, upon movement of the work string downwardly within the casing string, or by combinations thereof; and

wherein the one or more drag block assemblies are configured to provide said contact between the wellbore servicing tool and the casing string, thereby imparting longitudinal movement to the mandrel in relation to the housing.

2. The wellbore servicing system of claim 1, wherein the wellbore servicing tool is configured to transition:

first, from an indexing configuration to the jetting configuration;

second, from the jetting configuration to the indexing configuration;

third, from the indexing configuration to the mixing configuration; and

fourth, from the mixing configuration to the indexing configuration.

3. The wellbore servicing system of claim 2,

wherein the wellbore servicing tool is configured to transition from the indexing configuration to the jetting configuration upon movement of the work string upwardly within the casing string,

wherein the wellbore servicing tool is configured to transition from the jetting configuration to the indexing configuration upon movement of the work string downwardly within the casing string,

wherein the wellbore servicing tool is configured to transition from the indexing configuration to the mixing configuration upon movement of the work string upwardly within the casing string, and

wherein the wellbore servicing tool is configuration to transition from the mixing configuration to the indexing configuration upon movement of the work string downwardly within the casing string.

4. The wellbore servicing system of claim 2 or claim 3, wherein the housing comprises:

one or more high-pressure ports; and

one or more low-pressure ports.

5. The wellbore servicing system of claim 4,

wherein, when the wellbore servicing tool is in the jetting configuration, the mandrel blocks a route of fluid communication via the one or more low-pressure ports, and

wherein, when the wellbore servicing tool is in the mixing configuration, the mandrel does not block the route of fluid communication via the one or more low-pressure ports.

6 The wellbore servicing system of claim 4 or claim 5, wherein the movement of the mandrel relative to the housing is controlled by a J- slot.

7. The wellbore servicing system of claim 6, wherein the J-slot comprises:

a slot circumferentially disposed about at least a portion of the mandrel; and

a lug extending radially inward from the housing.

8. The wellbore servicing system of any one of claims 2 to 7, wherein the wellbore servicing tool is configured to provide an upward route of fluid communication therethrough in the indexing configuration, in the jetting configuration, and in the mixing configuration.

9. The wellbore servicing system of any of the preceding claims, wherein the wellbore servicing tool is configured to transition between the jetting configuration and

the mixing configuration without communicating an obturating member to the wellbore servicing apparatus, without removing an obturating member from the wellbore servicing apparatus, or combinations thereof.

10. A wellbore servicing tool comprising:

a housing generally defining an axial flowbore and comprising:

one or more high-pressure ports; and

one or more low-pressure ports;

a mandrel slidably positioned within the housing; and

one or more drag block assemblies, wherein the one or more drag block assemblies are configured to impart longitudinal movement to the mandrel via contact with a wellbore or casing string,

wherein, when the wellbore servicing tool is in a jetting configuration, the mandrel blocks a route of fluid communication via the one or more low-pressure ports, wherein, when the wellbore servicing tool is in a mixing configuration, the mandrel does not block the route of fluid communication via the one or more low-pressure ports, and wherein the wellbore servicing tool is configured to transition between the jetting configuration and the mixing configuration upon upward movement of the housing relative to the casing string, upon downward movement of the housing relative to the casing string, or by combinations thereof.

11. The wellbore servicing tool of claim 10, wherein the wellbore servicing tool is configured to transition between the jetting configuration and the mixing configuration without communicating an obturating member to the wellbore servicing tool, without removing an obturating member from the wellbore servicing tool, or combinations thereof.

12. A wellbore servicing method comprising:

positioning a work string having a wellbore servicing tool incorporated therein within a casing string disposed within a wellbore, wherein the work string is positioned such that the wellbore servicing tool is proximate to a first subterranean formation zone, the wellbore servicing tool comprising:

a housing generally defining an axial flowbore:

a mandrel positioned within, and adapted to slide axially in relation to, the housing; and

one or more drag block assemblies connected to, and adapted to move axially together with, the mandrel;

configuring the wellbore servicing tool via contact with the casing string to deliver a jetting fluid, wherein configuring the wellbore servicing tool comprises moving the work string upwardly with respect to the casing string, moving the work string downwardly with respect to the casing string, or combinations thereof;

communicating the jetting fluid via the wellbore servicing tool;

configuring the wellbore servicing tool via contact with the casing string to deliver at least a portion of a fracturing fluid, wherein configuring the wellbore servicing tool comprises moving the work string upwardly with respect to the casing string, moving the work string downwardly with respect to the casing string, or combinations thereof; and

communicating at least a portion of the fracturing fluid via the wellbore servicing tool;

wherein the one or more drag block assemblies are configured to provide said contact between the well bore servicing tool and the casing string, thereby imparting longitudinal movement to the mandrel in relation to the housing.

13. The method of claim 12, wherein communicating the jetting fluid via the wellbore servicing tool forms a perforation within the casing string, a cement sheath surrounding the casing string, a wellbore wall, or combinations thereof.

14. The method of claim 12 or claim 13, wherein communicating at least a portion of the fracturing fluid via the wellbore servicing tool comprises communicating a first component fluid of the fracturing fluid via a first route of fluid communication, wherein the first route of fluid communication comprises a flowbore of the work string.

15. The method of claim 14, further comprising communicating a second component fluid of the fracturing fluid via a second route of fluid communication, wherein the second route of fluid communication comprises an annular space between the work string and the casing string.

16. The method of any one of claims 12 to 15, wherein communicating at least a portion of the fracturing fluid via the wellbore servicing tool initiates and/or extends a fracture within the first subterranean formation zone.

17. The method of any one of claims 12 to 16, wherein the housing comprises:

one or more high-pressure ports; and

one or more low-pressure ports; and

wherein the wellbore servicing tool further comprises a J-slot configured to control the movement of the mandrel relative to the housing.

18. The method of claim 17, wherein the wellbore servicing tool is configured to transition:

first, from an indexing configuration to the jetting configuration;

second, from the jetting configuration to the indexing configuration;

third, from the indexing configuration to the mixing configuration; and

fourth, from the mixing configuration to the indexing configuration.

19. The method of claim 18,

wherein transitioning the wellbore servicing tool from the indexing configuration to the jetting configuration comprises moving of the work string upwardly within the casing string,

wherein transitioning the wellbore servicing tool from the jetting configuration to the indexing configuration comprises moving the work string downwardly within the casing string, wherein transitioning the wellbore servicing tool from the indexing configuration to the mixing configuration comprises moving the work string upwardly within the casing string, and wherein transitioning wellbore servicing tool from the mixing configuration to the indexing configuration comprises moving the work string downwardly within the casing string.

20. The method of any one of claims 12 to 19, further comprising determining a position of the wellbore servicing tool within the wellbore, wherein the position of the wellbore servicing tool is determined via the contact with the casing string.

21. The method of claim 20, wherein the wellbore servicing tool interacts with one or more features of the casing string.

22. A wellbore servicing system comprising:

a casing string disposed within a wellbore;

a work string at least partially disposed within the casing string and having a wellbore servicing tool incorporated therein, wherein the wellbore servicing tool comprises:

a housing generally defining an axial flowbore and comprising:

one or more high-pressure ports; and

one or more low-pressure ports;

a mandrel slidably positioned within the housing; and

one or more drag block assemblies contacting an inner bore surface of the casing string, wherein the one or more drag block imparts longitudinal movement to the mandrel,

wherein, when the wellbore servicing tool is in a jetting configuration, the mandrel blocks a route of fluid communication via the one or more low-pressure ports,

wherein, when the wellbore servicing tool is in a mixing configuration, the mandrel does not block the route of fluid communication via the one or more low-pressure ports, and wherein the wellbore servicing tool transitions between the jetting configuration and the mixing configuration upon upward movement of the housing relative to the casing string, upon downward movement of the housing relative to the casing string, or by combinations thereof.