What is claimed is:

1. A packer setting mechanism, comprising:

a setting chamber housing positionable about a mandrel to define at least a portion of a setting chamber between the mandrel and the setting chamber housing;

a setting port fluidically coupling a through bore of the mandrel with the setting chamber;

a valve element biased toward a closed position within the setting port; and

a guide sleeve disposed about the mandrel in a first position that props the valve element to an open position, the guide sleeve moveable to a second position in response to a threshold pressure applied to the setting chamber that releases the valve element to the closed position.

2. The packer setting mechanism of claim 1, further comprising:

an element-setting piston exposed to the setting chamber, the element-setting piston moveable into engagement with an annular sealing element in response to a setting pressure applied to the setting chamber.

3. The packer setting mechanism of claim 1, further comprising:

a guide sleeve piston exposed to the setting chamber and coupled to the guide sleeve, the guide sleeve piston moveable in response to the threshold pressure applied to the setting chamber.

4. The packer setting mechanism of claim 3, further comprising a shear member initially securing the guide sleeve in the first position, the shear member configured to shear in response to the threshold pressure applied to the guide sleeve piston.

5. The packer setting mechanism of claim 3, further comprising a spring biasing the guide sleeve to the second position.

6. The packer setting mechanism of claim 1, further comprising an element-setting piston and a guide sleeve piston axially opposite one another with respect to the setting port.

7. The packer setting mechanism of claim 6, wherein the guide sleeve moves axially away from the setting port in response to the threshold pressure, and a spring biases the guide sleeve back toward the setting port in response to bleeding off the threshold pressure.

8. The packer setting mechanism of claim 2, wherein the threshold pressure is greater than the setting pressure.

9. The packer setting mechanism of claim 2, wherein releasing the valve element to the closed position isolates the setting chamber to pressure in the mandrel of at least 50% higher than the setting pressure.

10. A wellbore sealing tool, comprising:

a mandrel positionable in a wellbore and defining a mandrel through bore for fluid communication with a tubular conveyance;

an annular sealing element disposed about the mandrel;

a setting mechanism including a setting chamber and a setting port along the mandrel fluidically coupling the mandrel through bore to the setting chamber, the setting mechanism configured for deploying the sealing element outwardly in response to a setting pressure applied to the setting chamber through the setting port;

a valve element moveable between an open position and a closed position with respect to the setting port; and

a guide member initially propping the valve element to the open position and then releasing the valve element to the closed position in response to a threshold pressure applied to the setting chamber through the setting port.

11. The wellbore sealing tool of claim 10, wherein the setting mechanism further comprises an element-setting piston disposed on the mandrel exposed to the setting chamber, wherein the setting pressure applied to the element-setting piston deploys the sealing element outwardly into engagement with the wellbore.

12. The wellbore sealing tool of claim 11, wherein the setting mechanism further comprises:

a shear member initially securing the guide member in a first position initially propping the valve element to the open position; and

a guide member piston coupled to the guide member for shearing the shear member in response to the threshold pressure applied to the guide member piston.

13. The wellbore sealing tool of claim 12, wherein the threshold pressure at which the shear member is configured to shear is greater than or equal to the setting pressure applied to the element-setting piston to deploy the sealing element outwardly into engagement with the wellbore.

14. The wellbore sealing tool of claim 12, wherein the element-setting piston and the guide member piston are on opposite sides of the setting port to be urged axially away from one another in response to pressure supplied to the setting chamber.

15. The wellbore sealing tool of claim 12, further comprising a biasing member for biasing the guide member toward a second position, wherein the guide member is initially moved away from the second position in response to the threshold pressure before the biasing member urges the guide member to the second position releasing the valve element to the closed position.

16. A method of sealing a wellbore, comprising:

lowering an annular sealing element on a mandrel into a wellbore;

initially propping a valve element in an open position with a guide sleeve to hold open a setting port along the mandrel;

supplying a setting pressure through the setting port into a setting chamber defined about the mandrel to deploy the annular sealing element into engagement with the wellbore; and

moving the guide sleeve to release the valve element to a closed position closing the setting port, thereby isolating the setting chamber to pressures greater than the setting pressure.

17. The method of claim 16, further comprising:

performing a wellbore service comprising delivering a service fluid down through the mandrel and into an annulus sealed by the annular sealing element, wherein the service fluid is pressurized to greater than the setting pressure.

18. The method of claim 16, wherein moving the guide sleeve to release the valve element comprises applying a threshold pressure through the setting port into the setting chamber to shear a shear member initially preventing movement of the guide sleeve to release the valve element.

19. The method of claim 16, further comprising:

biasing the valve element toward the closed position using a first biasing member, to urge the valve element to the closed position when released by the guide sleeve; and

biasing the guide sleeve from a first position propping the valve element in the open position to a second position at which the guide sleeve releases the valve element.

20. The method of claim 17, wherein the setting chamber is isolated to pressures in excess of a maximum pressure rating of the setting chamber.