CLAIMS

1. A selective tool apparatus, comprising:

   a cage mandrel having a fluid passageway therethrough and a seat insert located therein and coupled adjacent a lower end thereof, said seat insert having a fluid passage extending therethrough and having a first seal ring located adjacent an upper end of said fluid passage;

   a locator mandrel having a fluid passageway therethrough and coupled to said cage mandrel adjacent said lower end of said cage mandrel;

   a key prop mandrel slidably coupled to and extending over said cage mandrel, a lower end of said key prop mandrel including key props;

   a key having first and second opposing sections located about an outer perimeter and adjacent an upper end of said locator mandrel, wherein said key props are slidable with respect to said key and positionable between a first section and said outer perimeter of said locator mandrel and a second section and said outer perimeter of said locator mandrel, respectively, when said key is in a deployed position; and

   a drop seal having a first end coupled to an upper end of said key prop mandrel and a second end that is slidably captured within said cage mandrel, said second end configured to be received within an upper end of said seat insert to form a seal between said fluid passageway of said cage mandrel and said fluid passageway of said locator mandrel.

2. The apparatus of claim 1, further comprising a key retainer that is slidably positionable from a retaining position to a retracted position with respect to said key to allow said key to move to said deployed position.

3. The apparatus of claim 2, wherein said key retainer comprises a retainer section coupled to a spring housing, said spring housing coupled to a dog that is slidably engageable with a recess profile of a main mandrel that is coupled to said locator mandrel, said retainer section being slidable with respect to said locator mandrel and said spring housing being slidable with respect to said locator mandrel and said main mandrel.

4. The apparatus of claim 3, further comprising a first spring captured between a shoulder of said spring housing and a shoulder of said main mandrel that extends along a length of said main mandrel.

5. The apparatus of claim 1, wherein said key has springs on opposing sides thereof that bias said first and second sections outwardly from said outer perimeter to said deployed position.

6. The apparatus of claim 5, wherein said springs are an opposing pair of helical springs.

7. The apparatus of claim 1, wherein said seat insert has a second seal positioned about an outer diameter of said seat insert that forms a seal between said seat insert and said locator mandrel.

8. A well servicing system, comprising:

a servicing rig having a tubing associated therewith, said tubing positionable within a production tubing of a well that has at least one landing nipple located along its length;

a servicing tool for testing said production tubing of said well, said servicing tool comprising:

a cage mandrel having a fluid passageway therethrough and a seat insert located therein and coupled adjacent a lower end thereof, said seat insert having a fluid passage extending therethrough and having a first seal ring located adjacent an upper end of said fluid passage of said cage mandrel;

a locator mandrel coupled to said cage mandrel adjacent said lower end and having a fluid passageway therethrough;

a key prop mandrel slidably coupled to and extending over said cage mandrel, a lower end of said key prop mandrel including key props;

a key having first and second opposing sections located about an outer perimeter and adjacent an upper end of said locator mandrel, and having an outer diameter profile that is cooperatively engageable with a landing nipple profile of said production tubing of said well, wherein said key props are slidable with respect to said key and positionable between said first section and said outer perimeter of said locator mandrel and between said second section and said outer perimeter of said locator mandrel, respectively, when said key is in a deployed position;

a drop seal having a first end coupled to an upper end of said key prop mandrel, and a second end that is slidably captured within said cage mandrel and being configured to be received within an upper end of said seat insert to form a seal between said fluid passageway of said cage mandrel and said fluid passageway of said locator mandrel; and

a key retainer that is slidably positionable from a retaining position to a retracted position with respect to said key to allow said key to move to said deployed position.

9. The system of claim 8, wherein said key retainer comprises a retainer section coupled to a spring housing, said spring housing coupled to a dog that is slidably engageable with a recess profile of a main mandrel that is coupled to said locator mandrel, said retainer section being slidable with respect to said locator mandrel and said spring housing being slidable with respect to said locator mandrel and said main mandrel.

10. The system of claim 9, further comprising a first spring captured between a shoulder of said spring housing and a shoulder of said main mandrel that extends along a length of said main mandrel.

11. The system of claim 8, wherein said key has springs on opposing sides thereof that bias said first and second sections outwardly from said outer perimeter to said deployed position.

12. The system of claim 11, wherein said springs are an opposing pair of helical springs.

13. The system of claim 8, wherein said seat insert has a second seal positioned about an outer diameter of said seat insert that forms a seal between said seat insert and said locator mandrel.

14. A method of testing a production tubing in a well, comprising:

attaching a service tool to a service tubing, said service tool comprising:

a cage mandrel having a fluid passageway therethrough and a seat insert located therein and coupled adjacent a lower end thereof, said seat insert having a fluid passage extending therethrough and having a first seal ring located adjacent an upper end of said fluid passage;

a locator mandrel coupled to said cage mandrel adjacent said lower end and having a fluid passageway therethrough;

a key having first and second opposing sections located about an outer perimeter and adjacent an upper end of said locator mandrel; and

a key prop mandrel slidably coupled to and extending over said cage mandrel, said key prop mandrel having key props that are slidable with respect to said key and positionable between said first section of said key and said outer perimeter of said locator mandrel and said second section of said key and said outer perimeter of said locator mandrel, respectively, when said key is in a deployed position;

using said service tubing to position said service tool at a first location within said well;

moving said key to said deployed position;

moving said service tool, uphole, until said key engages a first landing nipple profile of a production tubing;

positioning said key props between said first section and said outer perimeter and said second section and said outer perimeter of said locator mandrel, respectively, when said key is engaged with said landing nipple profile;

moving a drop seal into said seat insert to engage said first seal ring to create a seal between said fluid passageway of said cage mandrel and said fluid passageway of said locator mandrel; and

pressuring said production tubing of said well, uphole of said seal.

15. The method of claim 14, wherein moving said key to said deployed position includes sliding a key retainer of said service tool downwardly with respect to said locator mandrel to a releasing position to thereby release said key and allow said key to move to said deployed position.

16. The method of claim 14, wherein said positioning said key props and moving said drop seal occur simultaneously.

17. The method of claim 14, wherein moving said key to said deployed position, includes engaging a dog that is coupled to said key retainer against a shoulder of said landing nipple and pulling said service tool, uphole, until said dog is received within a recess of a main mandrel that is coupled to said locator mandrel.

18. The method of claim 17, wherein said pulling causes a spring captured in a spring housing coupled to a retainer section of said key retainer to compress to allow said retainer section to slide downhole from said key and thereby allow said key to move to said deployed position.

19. The method of claim 14, further comprising moving said service tool either uphole or downhole to a second landing nipple profile and engaging said key in said second landing nipple and testing said production tubing located uphole of said seal.