CLAIMS

1. An anchor system comprising:
   (a) an anchoring device; and
   (b) at least one of a restriction indicator and a load isolation device in operable communication with the anchoring device.

2. An anchoring system as claimed in claim 1 wherein the system includes both of the restriction indicator and the load isolation device.

3. An anchoring system as claimed in claim 1 wherein the restriction indicator presents a gage diameter larger than a largest gage diameter of the anchoring device.

4. An anchoring system as claimed in claim 3 wherein the restriction indicator includes a surface at the gage ring diameter that is short in axial length.

5. An anchoring system as claimed in claim 1 wherein the restriction indicator includes a frustoconical feature.

6. An anchoring system as claimed in claim 1 wherein the restriction indicator is releasably affixed to a lower cone of the anchoring device by a release member.

7. An anchoring system as claimed in claim 6 wherein the release member is a shear ring.

8. An anchoring system as claimed in claim 1 wherein the load isolation device includes a plurality of fingers.

9. An anchoring system as claimed in claim 8 wherein the plurality of fingers include enlarged ends in operable communication with a lower cone of the anchoring device.

10. An anchoring system as claimed in claim 1 wherein the load isolation device is releasably affixed to a shear sleeve of the anchoring device by a releasable member.

11. An anchoring system as claimed in claim 10 wherein releasable member is a shear screw.

12. An anchoring system as claimed in claim 1 wherein the load isolation device extends beyond a terminus of a shear sleeve to an extent to ensure that the load isolation device can stroke enough to set the anchoring device before the shear sleeve is in a position relative to the load isolation device to be co-terminus therewith.

13. An anchoring system as claimed in claim 1 wherein a shear sleeve extends beyond a terminus of the load isolation device to an extent to ensure that the shear sleeve must engage a separate structure receptive thereto before the load isolation device is actuated.

14. An anchoring system as claimed in claim 13 wherein the separate structure is a tubular installed in a borehole prior to the system engaging the separate structure.

15. An anchoring system as claimed in claim 1 wherein the load isolation device is configured to have a gage diameter significantly smaller than any other gage diameter of the system.

16. A method for setting of an anchoring system comprising:

(a) protecting an outer gage diameter of an anchoring device with a restriction indicator having a gage diameter greater than any gage diameter of the anchoring device; and

(b) configuring the restriction indicator to hold a selected amount of string weight in the event that the system contacts a restriction in a borehole in which the system is being run.

17. A method for setting of an anchoring system as claimed in claim 16 further comprising:

(a) configuring the anchoring system to actuate only upon reaching a setting location by requiring a load isolation device to release and shift before actuation of the anchoring device can occur.

18. A method for setting an anchoring device of an anchor system comprising:
    (a) running the device as claimed in claim 1;
    (b) landing one of the restriction indicator at a restriction or the load isolation device at a setting location; and
    (c) signaling the landing in a restriction or setting the anchoring device.

19. An anchoring system as claimed in claim 1 wherein the system further includes a hydraulic actuation configuration.

20. An anchoring system as claimed in claim 19 wherein the hydraulic actuation configuration includes a bottom sub having a hydraulic pathway in association therewith and a port in fluid communication with the pathway, the port being in fluid communication with a hydraulic chamber configured to cause movement of the load isolation device upon application of fluid pressure in the hydraulic chamber.

21. An anchoring system as claimed in claim 19 wherein the hydraulic pathway is fluidly connected to tubing pressure.

CLAIMS

The invention claimed is:

1. An anchor system comprising:

an anchoring device;

a lower cone arranged to effectuate setting of the anchoring device;

a shear sleeve disposed within the lower cone, the lower cone releasably affixed to the shear sleeve; and

at least one of a restriction indicator having a greater overall radial dimension than any other component of the anchor system when the anchoring device is in an unset condition and including an indicator release member configured to secure the restriction indicator to an exterior of the lower cone, the indicator release member having a selected release load value, or a load isolation device having a smaller overall radial dimension than the anchoring device and restriction indicator and including an isolation release member configured to secure the isolation device to the shear sleeve to axially space an actuation shoulder of the load isolation device from the lower cone, the isolation release member having a selected release load value, the restriction indicator and/or the isolation device being in operable communication with the anchoring device.

2. An anchoring system as claimed in claim 1 wherein the system includes both of the restriction indicator and the load isolation device.

3. An anchoring system as claimed in claim 1 wherein the system includes the restriction indicator, and the restriction indicator presents a gage diameter larger than a largest gage diameter of the anchoring device in the unset condition.

4. An anchoring system as claimed in claim 3 wherein the restriction indicator includes a gage surface at the gage diameter of the restriction indicator that is short in axial length relative to an axial length of the restriction indicator.

5. An anchoring system as claimed in claim 1 wherein the system includes the restriction indicator, and the restriction indicator includes a frustoconical feature.

6. An anchoring system as claimed in claim 1 wherein the system includes the restriction indicator, and the indicator release member is a shear ring.

7. An anchoring system as claimed in claim 1 wherein the system includes the load isolation device, and the load isolation device includes a plurality of fingers.

8. An anchoring system as claimed in claim 7 wherein the plurality of fingers include enlarged ends in operable communication with the lower cone.

9. An anchoring system as claimed in claim 1 wherein the system includes the load isolation device, and the isolation release member is a shear screw.

10. An anchoring system as claimed in claim 1 wherein the system includes the load isolation device, and the load isolation device extends beyond a terminus of the shear sleeve to an extent to ensure that the load isolation device can stroke enough to set the anchoring device before the shear sleeve is in a position relative to the load isolation device to be co-terminus therewith.

11. An anchoring system as claimed in claim 1 wherein the system includes the load isolation device, and the shear sleeve extends beyond a terminus of the load isolation device to an extent to ensure that the shear sleeve must engage a separate structure receptive thereto before the load isolation device is actuated.

12. An anchoring system as claimed in claim 11 wherein the separate structure is a tubular installed in a borehole prior to the system engaging the separate structure.

13. A method for setting of an anchoring system comprising:

protecting an outer gage diameter of an anchoring device with a restriction indicator having a gage diameter greater than any gage diameter of the anchoring device, in an unset condition of the anchoring device; and

configuring the restriction indicator with a release member to hold a selected amount of string weight in the event that the system contacts a restriction in a borehole in which the system is being run prior to the release member releasing, the release member

releasably securing the restriction indicator to an exterior of a lower cone of the anchoring device, the lower cone arranged to effectuate actuation of the anchoring device.

14. A method for setting of an anchoring system as claimed in claim 13 further comprising:

configuring the anchoring system to actuate only upon reaching a setting location by requiring a load isolation device to release and shift before actuation of the anchoring device can occur.

15. A method for setting an anchoring device of an anchor system comprising:

running the device as claimed in claim 1;

landing one of the restriction indicator at a restriction or the load isolation device at a setting location; and

signaling the landing in a restriction or setting the anchoring device.

16. An anchoring system as claimed in claim 1 wherein the system further includes a hydraulic actuation configuration.

17. An anchoring system as claimed in claim 16 wherein the system includes the load isolation device, and the hydraulic actuation configuration includes a bottom sub having a hydraulic pathway in association therewith and a port in fluid communication with the pathway, the port being in fluid communication with a hydraulic chamber configured to cause movement of the load isolation device upon application of fluid pressure in the hydraulic chamber.

18. An anchoring system as claimed in claim 17 wherein the hydraulic pathway is fluidly connected to tubing pressure.