

CLAIMS

What is claimed is:

1. A high pressure seal adapter for a conductor housing of a wellhead, the high pressure seal adapter having a unitary body comprising:
a first circular bore extending through said unitary body; and
a second circular bore adjacent said first circular bore and extending through said unitary body; wherein
said seal adapter is capable of being installed in said conductor housing.
2. The high pressure seal adapter of claim 1, further comprising at least one seal extending around a perimeter of said unitary body, said at least one seal contacting said conductor housing.
3. The high pressure seal adapter of claims 1 or 2, wherein said seal adapter receives a high pressure riser in said first circular bore when said seal adapter is installed in said conductor housing, said high pressure riser having a lower surface that contacts said flange and at least one seal extending around an outside perimeter of said riser, said at least one seal contacting said side wall to facilitate well drilling operations through said high pressure riser and said first bore for a first well.
4. The high pressure seal adapter of any one of the previous claims, further comprising an upper and lower planar surface, wherein said lower planar surface rests on a flange of said conductor housing and said upper planar surface is substantially coplanar with an upper surface of said conductor housing when said seal adapter is installed in said conductor housing.
5. The high pressure seal adapter of any one of the previous claims, wherein said seal adapter may be rotated 180 degrees and installed in said conductor housing to facilitate well drilling operations for a second well.

6. The high pressure seal adapter of any one of the previous claims, wherein said seal adapter is capable of operating at well pressures up to 34.5 Mega Pascals.

7. A method of facilitating high pressure drilling and extraction operations for a well, the well comprising a conductor having a conductor housing attached thereto, the method comprising the steps of:

providing high pressure seal adapter having a unitary body comprising:
a first circular bore extending through said unitary body; and
a second circular bore adjacent said first circular bore and extending through said unitary body; and
installing said seal adapter in said conductor housing.

8. The method of claim 7, further comprising:
connecting a high pressure riser to said conductor housing, said high pressure riser having a lower surface that extends into said first circular bore and contacts said flange, and at least one seal extending around an outside perimeter of said riser, said at least one seal contacting said side wall to facilitate well drilling operations through said high pressure riser and said first bore for a first well.

9. The method of claim 8, wherein, when said well drilling operations are completed for said first well, the method further comprises:
removing said high pressure riser;
removing said seal adapter;
rotating said seal adapter 180 degrees;
reinstalling said seal adapter in said conductor housing;
connecting a first casing hanger through said second bore to the conductor housing;
and

connecting said high pressure riser to said conductor housing, said high pressure riser having a lower surface that extends into said first circular bore and contacts said flange, and at least one seal extending around an outside perimeter of said riser, said at least one seal contacting said side wall to facilitate well drilling operations through said high pressure riser and said first bore for a second well.

10. The method of claim 9, wherein, when said well drilling operations are completed for said second well, the method further comprises:

removing said high pressure riser;

connecting a second casing hanger through said first bore to the conductor housing;

installing first and second casings in said first and second well, respectively;

attaching a first wellhead to said conductor housing above said first well; and

attaching a second wellhead to said conductor housing above said second well.

11. The method of any one of claims 7-10, wherein;

said seal adapter further comprises an upper and lower planar surface; and

said step of installing said seal adapter further comprises seating said lower planar surface on a flange of said conductor housing such that said upper planar surface is substantially co-planar with an upper surface of said conductor housing.

12. The method of any one of claims 7-11, wherein said high pressure drilling and extraction operations are conducted at well pressures up to 34.5 Mega Pascals.