CLAIMS

What is claimed is:

1. A ~~system, comprising:~~

~~a~~ riser telescoping joint ~~(130)~~ comprising:

a tube;

auxiliary fluid lines extending along the tube; and

a gooseneck conduit assembly ~~(154) affixed~~ affixable to the tube, the gooseneck conduit assembly when affixed~~(154)~~ comprising:

a plurality of gooseneck conduits ~~(156)~~ extending radially from the tube and connected with the auxiliary fluid lines; and

a locking mechanism that engages a locking pin ~~(303, 404)~~ affixed to the tube, displaced from the auxiliary fluid lines, to secure the gooseneck conduit assembly ~~(154)~~ to the tube.

2. ~~The system of claim 1, further comprising:~~

~~a surface platform (126);~~

~~a riser (122); and~~

~~a blow-out preventer (112) coupled to the riser (122);~~

~~wherein the telescoping joint (130) couples the riser (122) to the surface platform (126).~~

~~3~~. The ~~system~~ riser telescoping joint of claim 1, ~~wherein the telescoping joint (130)~~ further ~~comprises~~ comprising a support collar ~~(150)~~ coupled to and extending radially from the tube, the locking pin ~~(303, 404)~~ extending from the support collar ~~(150)~~ longitudinally along the tube.

43. The system riser telescoping joint of claim 32, wherein the support collar (150) comprises a plurality of clamps (412) each retaining an end of one of a plurality ofthe auxiliary fluid lines (152) extending along the tube.

54. The system riser telescoping joint of claim 43, wherein the locking pin (303, 404) increases in diameter in accordance with proximity to the support collar (150) to guide the gooseneck conduits (156) into alignment with the auxiliary fluid lines (152).

65. The riser telescoping jointsystem of claim 1, wherein the locking mechanism comprises a retractable bolt (314) that extendsextendable through a passage in the locking pin (303) to secure the gooseneck conduit assembly (154) to the tube.

76. The riser telescoping jointsystem of claim 1, wherein the locking mechanism comprises a rotatable socket (402) that receives the locking pin (404); wherein the rotatable socket (402) and the locking pin (404) comprises complementary longitudinal ridges (406, 610) and channels (408, 606), and the locking mechanism secures the gooseneck conduit assembly (154) to the tube by rotating the socket (402) to align the ridges (610) of the socket (402) with the ridges (406) of the pin (404).

87. The riser telescoping jointsystem of claim 76, wherein the locking mechanism comprises a pair of rotatable sockets (402) each receiving a locking pin (404); wherein each socket (402) of the pair rotates in a different direction to secure the gooseneck conduit assembly (154) to the tube.

98. The riser telescoping jointsystem of claim 1, wherein the locking mechanism comprises a locking member (326) that traverses an arc about the tube; wherein the locking member comprises a projection extending towards the

tube, the projection positioned in a circumferential channel ~~(1008)~~ of the tube to secure the gooseneck conduit assembly ~~(154)~~ to the tube.

~~10~~9. The riser telescoping joint~~system~~ of claim 1, wherein each gooseneck conduit ~~(156)~~ comprises a fluid flow channel ~~(1002)~~ and the diameter of the fluid flow channel ~~(1002)~~ is less than the thickness of material of the gooseneck conduit ~~(156)~~ surrounding the flow channel ~~(1002)~~.

10. A gooseneck conduit unit for a telescoping joint, comprising:

a base structure;

a plurality of gooseneck conduits removably mounted to the base structure;

an alignment socket removably mounted to the base structure, wherein the alignment socket guides the gooseneck conduit unit into position about the telescoping joint; and

a locking mechanism mounted to the base structure, wherein the locking mechanism secures the gooseneck conduit unit to the telescoping joint.

11. The gooseneck conduit unit of claim 10, wherein the locking mechanism comprises a hydraulic cylinder that actuates the locking mechanism.

12. The gooseneck conduit unit of claim 10, wherein the interior diameter of the alignment socket increases with distance from the base structure.

13. The gooseneck conduit unit of claim 10, wherein the locking mechanism comprises a retractable bolt that extends through a passage in a locking pin coupled to the telescoping joint to secure the gooseneck conduit unit to the telescoping joint.

14. The gooseneck conduit unit of claim 10, wherein the alignment socket is rotatably coupled to the locking mechanism, and the alignment socket comprises alternating ridges and channels corresponding to ridges and channels of a locking pin coupled to the telescoping joint; wherein the locking mechanism rotates the alignment socket to align the ridges of the socket and the pin to secure the gooseneck conduit unit to the telescoping joint.

15. The gooseneck conduit unit of claim 14, further comprising a pair of alignment sockets; wherein the locking mechanism rotates each socket of the pair in a different direction to secure the gooseneck conduit unit to the telescoping joint.

16. The gooseneck conduit unit of claim 10, wherein the locking mechanism comprises a locking member that traverses an arc about an inner circumference of the gooseneck conduit unit; wherein the locking member comprises a projection extending from the inner circumference, the projection dimensioned to engage walls of a circumferential channel of the telescoping joint to secure the gooseneck conduit assembly to the telescoping joint.

17. The gooseneck conduit unit of claim 10, wherein each gooseneck conduit comprises a fluid flow channel and the diameter of the fluid flow channel is less than the thickness of material of the gooseneck conduit surrounding the flow channel.

18. A system, comprising:

a surface platform;

a riser;

a blow-out preventer coupled to the riser;

a telescoping joint coupling the riser to the surface platform; the telescoping joint comprising:

a support collar for securing at least one gooseneck conduit assembly to the telescoping joint, the gooseneck conduit assembly including gooseneck conduits and the support collar comprising a plurality of locking pins each dimensioned to align the gooseneck conduit assembly with auxiliary fluid lines disposed about the telescoping joint, and to secure the gooseneck conduit assembly to the telescoping joint.

19. The system of claim 18, further comprising at least one gooseneck conduit assembly, wherein each gooseneck conduit assembly comprises:

an alignment socket that engages one of the locking pins to align the gooseneck conduit assembly with the auxiliary fluid lines; and

a locking mechanism that secures the gooseneck conduit assembly to the locking pins.

20. The system of claim 19, wherein the locking mechanism comprises at least one of:

a retractable bolt dimensioned to extend through a passage in one of the locking pins to secure the gooseneck conduit assembly to the locking pin;

alternating ridges and channels on an interior surface of the alignment socket; wherein the locking mechanism rotates the alignment socket to align the ridges of the alignment socket with ridges of one of the locking pins to secure the gooseneck conduit assembly to the locking pin; and

a locking member that traverses an arc about the telescoping joint; wherein the locking member comprises a projection extending towards the telescoping joint, the projection positioned in a circumferential channel of the telescoping joint to secure the gooseneck conduit assembly to the telescoping joint.

21. The system of claim 18, further comprising at least one of:

a plurality of clamps attached to the support collar, each clamp securing to the support collar an end of one of the auxiliary fluid lines disposed about the telescoping joint;

an upper split ring retainer coupled to the top of the support collar and disposed orthogonal to sections of the support collar; and

a lower split ring retainer coupled to the top of the support collar and disposed orthogonal to sections of the support collar.