

ABSTRACT**A SUSPENSORY ELECTRICAL SUBMERSIBLE SCREW PUMPING
SYSTEM**

A suspensory electrical submersible screw pumping system has oil lifting system and an electric system. The oil lifting system includes an upper connector, a protector, a fluid guiding sleeve, a driving mechanism, a shift coupling, four annular chambers named respectively first, second, third or fourth annular chambers, and a liquid outlet. The first, second, third, fourth annular chambers and the liquid outlet are sequenced and communicated. The electric system includes a motor down-lead, a central bore in the protector, fifth annular chamber and a wire outlet. The above suspensory electrical submersible screw pumping system features simple and reasonable structure, low cost, easy mounting and maintenance. Particularly, the suspensory electrical submersible screw pumping system can be realized and the efficiency of the screw pump is high. The pumping system will run normally in many situations, such as well liquid with a lot of sand, high pitch of the well, a lower suspensory position of the pump, many inflections on the sleeve and so on.