CLAIMS

1. A method of producing a side pocket mandrel body (1) for use in a hydrocarbon well side pocket mandrel assembly, which side pocket mandrel body (1) comprises:

- a first end (2) displaying a first connection arrangement (3) for connecting the side pocket mandrel body (1) to an up-hole section of a production tubing of the hydrocarbon well, and a second end (4) displaying a second connection arrangement (5) for connecting the side pocket mandrel body (1) to a down-hole section of the production tubing,
- a longitudinal, through-going main conduit (6) for communicating with a central passageway of the production tubing, and
- a side pocket section (7) comprising at least one side pocket (8) for retrievably housing an injection fluid flow control device configured to stimulate a production flow rate of the hydrocarbon well,

which method comprises the steps of:

- providing a continuous, solid piece of material with the through-going main conduit (6),
- in the solid piece of material, forming said at least one side pocket (8) by machining a bore (21), displaying an external entrance opening (23), into a laterally offset section (7) of the solid piece of material generally parallel to the main conduit (6) such that an internal wall section (9) of the solid piece of material is brought to separate the main conduit (6) from the machined bore (21),
- plugging the entrance opening (23) of the machined bore (21) with a fluid-tight plug (20),
- providing at least one opening (16) from an outside of the side pocket mandrel body (1) into the at least one side pocket (8), thereby forming an injection fluid inlet,
- providing at least one opening in the wall section (9), thereby forming an injection fluid outlet, and
- providing the solid piece of material with the first and the second connection arrangements (3, 5), thereby rendering the side pocket mandrel body (1) connectable to the up-hole and down-hole sections of the production tubing.

2. The method according to claim 1, wherein the step of forming said at least one side pocket (8) comprises machining structures (19) for interacting with latches and seals of the injection fluid flow control device in an internal surface (18) of the machined bore (21).

3. The method according to claim 1, wherein the step of forming said at least one side pocket (8) comprises inserting a hollow cylinder into the machined bore (21) prior to the step of plugging the entrance opening (23), which cylinder, on the inside surface thereof, comprises structures for interacting with latches and seals of the injection fluid flow control device.