



'SB' SAMPLE BAILER



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The PARVEEN Sample Bailer is used to collect samples of debris from the well bore creating obstructions. PARVEEN Sample Bailer are available in two basic designs with ball or flapper shoe. The shoe opens when sample bailer assembly is forced in debris and closes when the sample bailer is forced out.

Engineering data for `SB' Sample Bailer			
SIZE (IN.)	F/N OD (IN.)	CONNECTING THREAD BOX (IN. TPI)	PART NO.
1.5	1.375	15/16-10 UN	051 - 001
1.75	1.375	15/16-10 UN	051 - 002
2	1.75	1-1/16-10 UN	051 - 003
2.5	2.313	1-1/16-10 UN	051 - 004
3	2.313	1-1/16-10 UN	051 - 005
4	2.313	1-9/16-10 UN	051 - 006

SAND PUMP BAILER

The pump bailer is used to remove the bulk of sand above the wireline tools / equipment. It is a hollow tube with a check valve (ball or flapper) at its lower end, which is usually mule shoe (cut at 45°). It contains a piston and valve attached to a rod which passes through a loose hold (for fluid bypass) at the upper end of the tube. This rod is attached to the tool string.

As the bottom of the bailer rests on the sand, the weight of the tool string pushes the piston to the bottom of the tube. As this piston is picked up, it sucks sand and debris into the bottom of the bailer. This slow ' stroking process' continues until the bailer is full.

HYDROSTATIC BAILER

A hydrostatic bailer consists of a chamber sealed at atmospheric pressure. When the bailer reaches the top of the sand and is jarred down, a shear disk is ruptured and the bottom hole pressure surging into the chamber sucks up the sand. A ball check in the bottom serves to trap the sand in the chamber.

These bailer are used to clean off sand or foreign materials from around a fishing neck very successfully and are not recommended for normal bailing operations. In soft sand , this bailer will bury itself each time it goes off. It usually requires a hard object against which to shear the disc.

Always use a pump bailer to remove the bulk of sand etc. until pump bailer is resting on the plug or whatever is to be removed. A hydrostatic bailer can then be used to clean around the fishing neck.

Hydrostatic bailer are not recommended for normal bailing operations because :

- Too slow
- A high possibility of sticking in the sand due to suction action when the sealed chamber is opened.

The sand pumps and hydrostatic bailer can be dangerous after pulling them to the surface and when unloading the sand , due to pressure trapped inside the chamber. Caution should be taken when removing the check valve on the bottom to make sure there is no pressure inside. This can be determined usually by how hard the bottom is to unscrew. Once should never completely remove the bottom while the bailer is pressured up. Do not hammer on a bailer to remove sand. These bailer are subject to bottom hole pressure. It is good idea to visually inspect these bailer for wear and wall reduction.

Hydrostatic bailer have pressure relief valves, and some have an automatic pressure relief valve. These become plugged easily and can be dangerous to handle , so observe the above caution when unscrewing the bottom.