

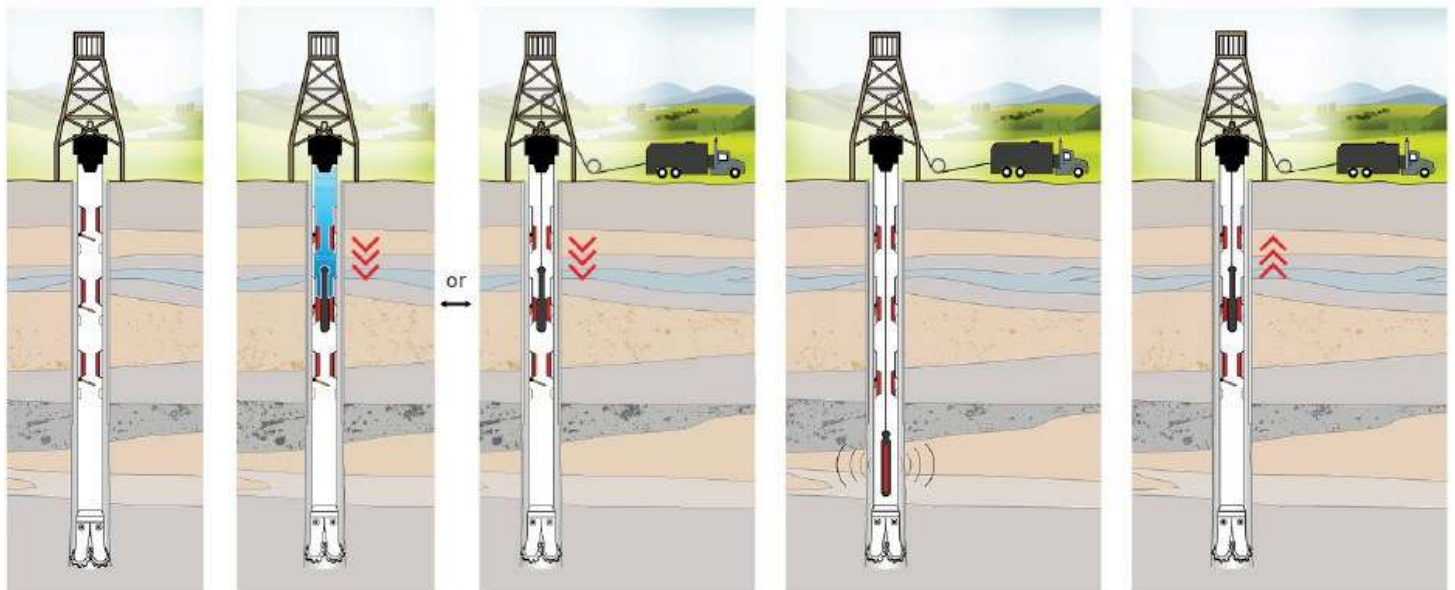
— Saving rig time

create a clear path for the wireline to pass through the valves. This is achieved by using a pump down or slickline tool to allow wireline access through the valves. All Switchfloat valves are designed to be opened and closed using a wireline actuation tool. This tool can be retrieved on wireline if necessary.

To undertake directional surveys on wireline conventional string float valves must be removed from the drill string. Additional tripping of pipe to achieve this adds significant rig time to directional surveys on wireline.

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- Allows surveys in drill pipe without the removal of drill string float valves
- Reduced make and break cycles on drill string threaded connections
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Drilling Ahead

Pumping the actuation tool opens all the Switchfloat valves utilised to open the Switchfloat valves.

Wireline operations

Tools safely conveyed through pumped actuation tool may be

Closing Switchfloat Valves

to install another Switchfloat valve functionality. If necessary it is possible to close the

