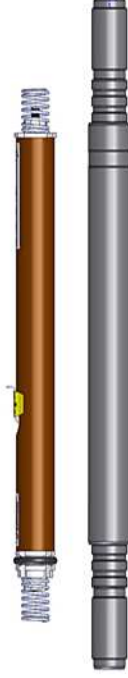
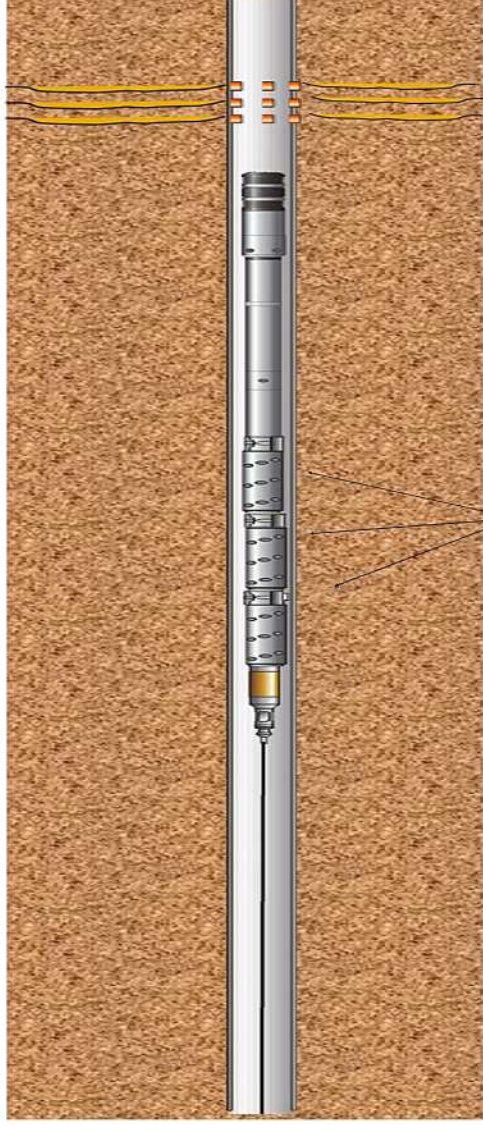


# Select-Fire System

## Perforating Services

The Baker Hughes new select-fire system is a step change in select fire operations, utilizing a unique electrical/ballistic transfer system that eliminates the inherent weakness in current technologies which use ported subs and require on-site wiring. The electronic switches are previously addressed and used to identify the plug and each gun in the perforating string before deployment. The switch and detonator are pre-packaged, eliminating wiring at location.



### Case History

Since the technology's introduction as a commercial product, 600 successful selections with no failure. For one US land client, 450 consecutive selections have been ran without failure., in a campaign where 7 guns and one composite plug were deployed per run.,



#### Applications:

- Selective perforating operations
- Single run "plug and perf" operations
- Pump down perforating operations

#### Benefits:

- Increased safety (switch will not pass current until properly addressed)
- Reliable - no moving parts or activation pressure required
- Efficient one-trip multi-gun plug and shoot operations.
- Operationally simple
- Allows redundancy - no missed zones no missed production

#### Features:

- Up to 32 selections
- Temperature rating 350° F 175° C
- Pressure rating 20,000 psi
- Two-way communications with CCL in motion
- Unique address
- Operates with PX-1 systems
- Ability to test gun string at safe depth