

# SLIC

## Selective lateral intervention completion system



Rated to 10,000 psi  
[69 MPa]



Rated to 375 degF  
[191 degC]

### APPLICATIONS

- Multilateral completions with or without multilateral junctions
- Selective lateral intervention
- Selective hydraulic isolation of lateral

### BENEFITS

- Enables cost-effective rigless interventions with selective through-tubing access to the lateral or main bore

### FEATURES

- Stackable system for selective access to multiple laterals via different latch profiles and sealbore sizes
- Accessories for proper location and orientation across casing exit
- Provision for control lines bypass
- Interchangeable centralizer

The modular selective lateral intervention completion (SLIC) system enables through-tubing intervention in multilateral wells. It can be used to access the lateral or to hydraulically isolate the lateral from the main bore. Multiple modules can be installed for selective intervention access when one wellbore has multiple laterals.

### System components

Each SLIC system module is a tubular with a side opening, sealbores, and profiles for intervention tools. It uses standard tubing threads and is run in the well as part of the completion string.

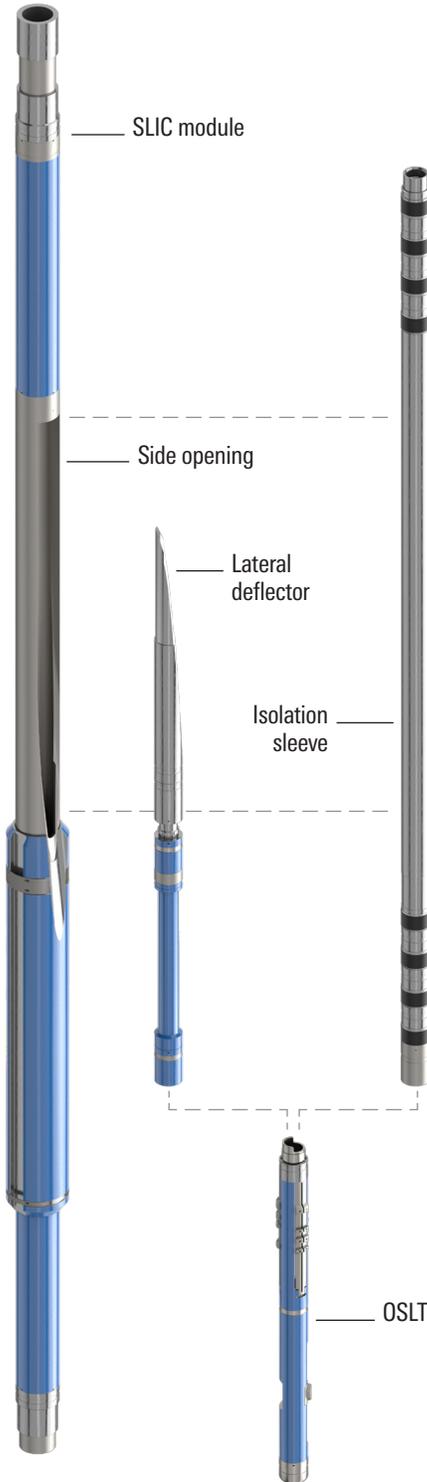
Three intervention tools are available with the system:

- orienting selective locating tool (OSLT)
- lateral deflector
- isolation sleeve.

### Selective through-tubing access

To access the lateral, the deflector tool is run in on CT or jointed pipe together with the OSLT, which provides orientation and latches the deflector in place inside the SLIC module. The deflector steers the intervention assembly into the lateral through the side opening of the SLIC module.

Alternatively, the OSLT can be run together with the isolation sleeve, which is a tubular with external seals. When the sleeve is latched in place inside the SLIC module, it seals in polished bores above and below the module's side opening, providing pressure integrity up to 10,000 psi to seal off the lateral. Access to and production from the main bore is available through the sleeve ID.



*The OSLT orients and latches the lateral deflector or the isolation sleeve inside the SLIC module to steer the intervention assembly into the lateral or hydraulically seal the lateral, respectively.*

## SLIC System Specifications

	3.5 SLIC	4.5 SLIC
Tubing size, in [mm]	3.5 [88.9]	4.5 [114.3]
Tubing weight, lbm/ft [kg/m]	9.2 [13.7]	12.6 [18.8]
Material	L-80 or 13Cr steel	L-80 or 13Cr steel
Thread	VAM TOP®	VAM TOP
Burst rating, psi [MPa]	10,000 [69]	10,000 [69]
Collapse rating, psi [MPa]	10,000 [69]	10,000 [69]
Temperature rating, degF [degC]	375 [191]	375 [191]
Max. setdown weight, lbf [N]	71,000 [315,824]	71,000 [315,824]
Max. tensile rating, lbf [N]	124,000 [551,580]	124,000 [551,580]
Intelligent completion compatibility	Yes	Yes
Control lines bypass	Up to 4 lines	Up to 4 lines
Max. number stackable	2	3
Sealbore ID options, in [mm]	2.81 [71.4] 2.75 [69.9]	3.775 [95.9], with three selective profiles instead of variable IDs
Lateral window drift, in [mm]	2.750 [69.9]	3.775 [95.9]
Isolation sleeve ID, in [mm]	1.750 [44.5]	2.500 [63.5]
Isolation sleeve pressure rating, psi [MPa]	10,000 [69]	10,000 [69]



Deflector

Once latched in place inside the SLIC module, the deflector steers the intervention assembly into the lateral through the side opening of the SLIC module.



Isolation sleeve

With the isolation sleeve latched in place inside the SLIC module, the lateral is sealed off.