

RapidConnect

TAML 3 sand-exclusion multilateral junction

APPLICATIONS

- Wells with TAML 3 specifications
- Wells needing sand control at the junction
- Reservoirs with the same pressure and flow regimes
- Layered, compartmentalized, or faulted reservoirs
- Wells needing increased reservoir drainage
- Infill wells in mature assets with slot constraints
- New and reentry oil or gas wells, producers or injectors
- Wells with commingled production

BENEFITS

- Reduced risks, time, and costs due to operational simplicity and field-proven reliability

FEATURES

- Continuous locking rail that provides ultrahigh-strength junction
- Selective reentry to both laterals with wireline, coiled tubing, or drillpipe access
- Ability to be stacked for multiple TAML 3 junctions in a single wellbore
- Full retrievability
- Compatibility with most sandface completions
- Flexible junction placement
- Stable lateral access for the life of the well
- Mechanical reentry into all laterals

The RapidConnect* TAML 3 sand-exclusion multilateral junction provides ultrahigh junction stability and strength. This field-proven system, with its strong, reliable, extremely robust junction, combines simple installation with junction flexibility. System features include a continuous locking rail that acts as an effective sand barrier.

The two main junction components are the template and the connector. These lock together to provide sand exclusion at the junction. This junction provides formation stability at the casing exit and is most suited for unstable, caprock or in-reservoir applications.

With a systematic quantitative risk assessment to identify the best location, the RapidConnect junction can be used for new or reentry wells that have the same pressure regimes. Operational simplicity reduces risks, time, and costs.

RapidConnect junction components can be installed with either the index casing coupling (ICC) or packer-based systems. At minimal cost, the ICC can be installed in advance for a permanent depth and orientation reference with full casing integrity.



RapidConnect TAML 3 sand-exclusion multilateral junction.

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RapidConnect TAML 3 Sand-Exclusion Multilateral Junction Specifications

| | | | |
|---|----------------------------------|----------------------|--------------------|
| Casing size, in | 7 | 9 $\frac{5}{8}$ | 10 $\frac{3}{4}$ |
| Casing weight, lbm/ft [kg/m] | 23, 26, 29, 32, 35 [38.69–47.62] | 40–53.5 [59.52–79.6] | 55.5 [82.58] |
| Lateral hole, in [mm] | 6.125 [155.6] | 8.5 [215.9] | 9.5 [215.9] |
| Lateral ID, in [mm] | 3.50 [88.9] | 3.958 [100.5] | 3.958 [100.5] |
| Main bore ID, in [mm] | 4.00 [101.6] | 4.421 [112.29] | 4.421 [112.29] |
| Collapse resistance, [†] psi [kPa] | 1,500 [5,080] | 2,500 [17,237] | 2,500 [17,237] |
| Window type | Milled casing exit | Milled casing exit | Milled casing exit |
| TAML level | 3 | 3 | 3 |
| Sand exclusion, u | Not available | 40 | 40 |

[†]Burst and collapse pressure ratings.

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Schlumberger