



SRS™ 2–Level 2 Multilateral

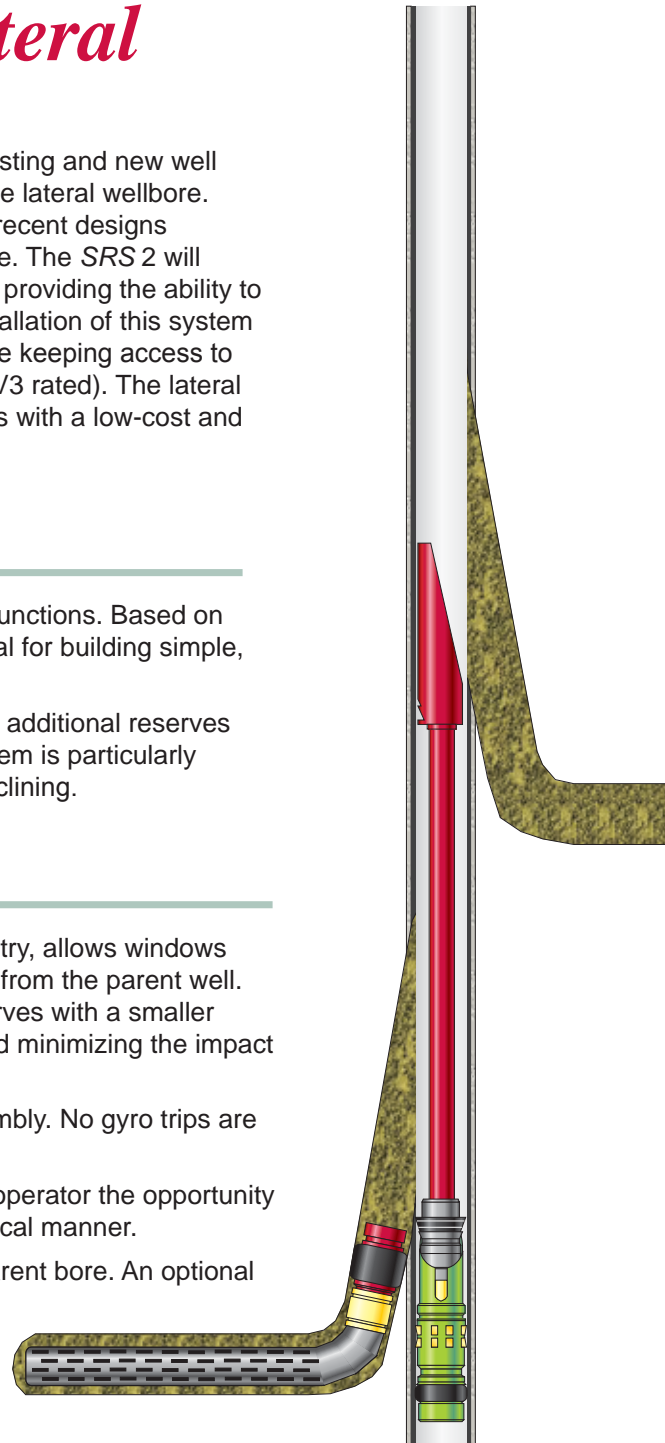
Weatherford's SRS 2 selective re-entry system is designed for existing and new well applications. It creates Level 2 junctions with full liner access to the lateral wellbore. The system combines proven Weatherford technology with more recent designs developed to meet today's demand for increased well performance. The SRS 2 will allow clients to sidetrack numerous times from a parent well while providing the ability to mill the lateral windows in close proximity to one another. The installation of this system allows for the re-entry of a specific lateral branch at any time, while keeping access to the mainbore due to the large ID PakLatch™ packer (ISO 14310 V3 rated). The lateral can be completed or left open-hole. The SRS 2 provides operators with a low-cost and reliable Level 2 multilateral solution.

Applications

- The SRS 2 multilateral system is designed for creating Level 2 junctions. Based on proven technologies that reduce trips and save rig time, it is ideal for building simple, low-cost, and low-risk junctions in cased wellbores.
- Because it allows economical, closely spaced laterals to access additional reserves while maintaining production from the original wellbore, the system is particularly suitable for wells in mature fields where production rates are declining.

Features, Advantages and Benefits

- The self-orienting latch assembly, used in both milling and re-entry, allows windows to be milled close together, increasing the number of sidetracks from the parent well. These closely spaced laterals provide access to additional reserves with a smaller footprint, optimizing production while reducing drilling costs, and minimizing the impact on the environment.
- The latch assembly can be oriented repeatedly without disassembly. No gyro trips are necessary in the re-entry phase.
- The laterals can be completed or left open-hole. This gives the operator the opportunity to meet the requirements of the application in the most economical manner.
- The large ID packer provides access to the lower zone in the parent bore. An optional flow-activated lateral re-entry tool allows selective deployment through multiple packers. These re-entry capabilities enable the operator to make improvements that extend the life of the wellbore and maintain optimal productivity.





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Specifications

Casing size (in./mm)	5.500 139.700	7.000 177.800	9.625 244.475
Casing weight (lb/ft, kg/m)	20 to 23 29.8 to 34.2	23 to 32 34.2 to 47.6	40.0 to 53.5 59.5 to 79.6
PakLatch packer			
Maximum OD (in./mm)	4.44 112.7	5.87 149.0	8.25 209.5
Minimum ID (in./mm)	2.68 68.2	4.00 102.3	6.00 153.1
Maximum Torque (ft-lb/N•m)	5,000 6,779	7,500 10,169	10,000 13,558
Maximum pressure differential (psi/kPa)*	5,000 at 275°F 34,470 at 135°C		
QuickCut™ whipstock			
Mill range OD (in./mm)	4.500 to 4.625 114.300 to 117.475	5.875 to 6.250 149.225 to 158.750	8.375 to 8.625 212.725 to 219.075
Shear value (lbf/daN), mill from whipstock	14,000 6,228	28,000 to 43,000 12,455 to 19,127	40,000 to 59,000 17,793 to 26,245
PakLatch latch assembly			
Stab-in force (lbf/daN), latch into packer	<5,000 <2,224		
Shear release nominal force lbf/daN, unlatch from packer	60,000 26,690		
Pressure rating from below with standard shear ring (psi/kPa)	5,435 37,473	2,912 20,078	1,357 9,356
Maximum OD (in./mm)	4.43 112.6	5.87 149.0	8.24 209.4
Minimum ID (in./mm)	1.75 44.4	2.69 68.3	3.75 95.2
Re-entry guide			
Minimum ID (in./mm)	1.50 38.1	2.50 63.5	2.25 57.1
Maximum OD (in./mm)	3.45 87.6	4.65 118.1	6.50 165.1
Face angle	6°		
Running tool OD (in./mm)	4.50 114.3	5.75 146.0	8.13 206.5

*Or 80% of casing pressure rating if less than these values. Latch shear ring value may reduce maximum pressure differential.