

## WIRELINER AND PERFORATING SERVICES



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### Select Fire™ and Testing

#### **Multiple-Zone Perforating and Testing**

##### **Step 1**

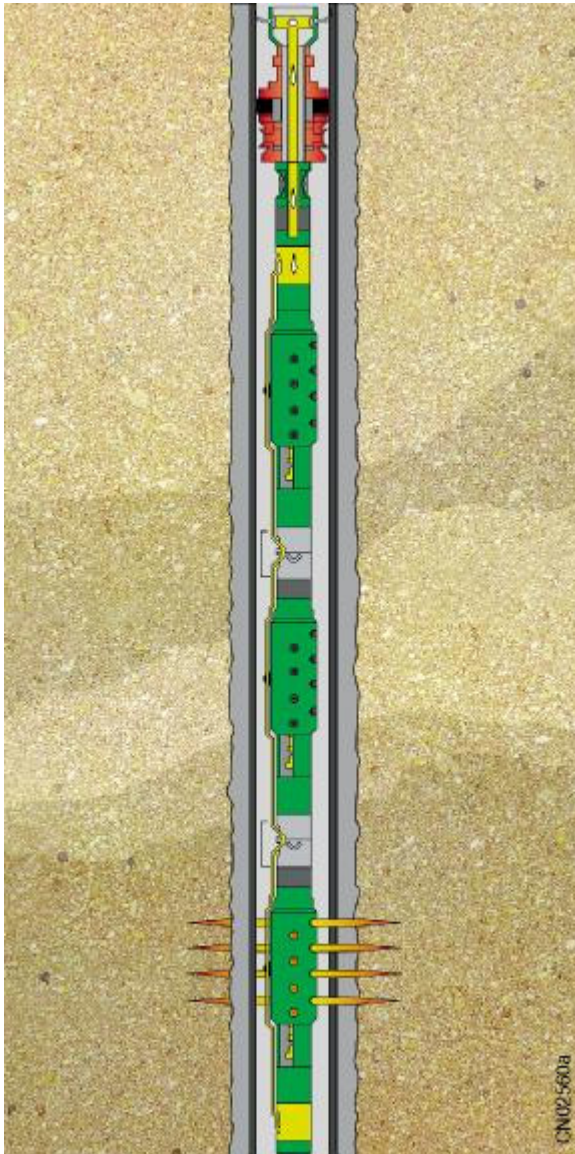
Annulus pressure from above the packer enters the Crossover Tool and is applied to the first (b Head. The first Select Fire™ Sub keeps pressure from reaching the second Firing Head. The tim bleed off pressure. When the guns detonate, the firing train continues to the Select Fire Sub. TI path to the Second Firing Head. The zone is tested.

##### **Step 2**

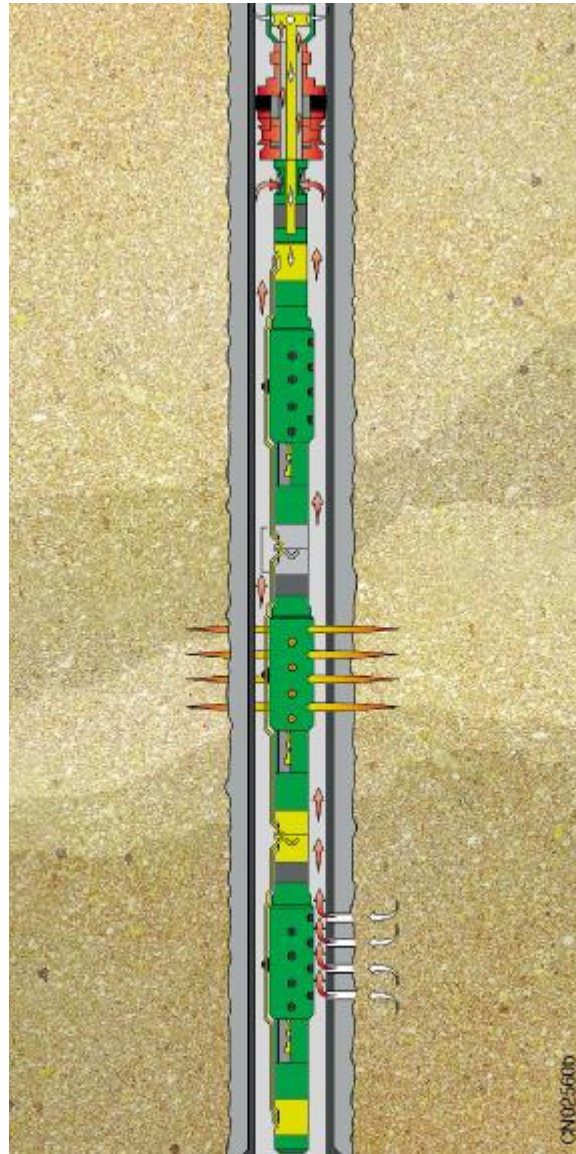
Annulus pressure is reapplied and travels to the second Time-Delay Firing head. The First Press pressure from venting through the first set of perforations. Pressure is released, the gun fires, Sub fires and opens a path to the third gun. Production from the second zone is commingled wi zone for testing.

##### **Step 3**

Pressure applied to the annulus passes though the Annulus Pressure Crossover and down the c Time-Delay Firing head. The second Pressure Isolation Sub keeps pressure from venting throug and second zones. Pressure is released, the guns fire, and flow from all three commingled for t



CN02-560a



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2

Step 1

Step 3

Step

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