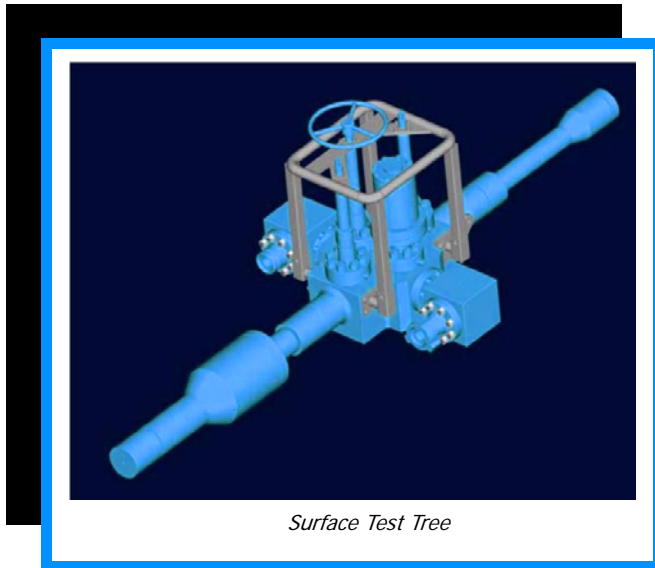


# SURFACE TEST TREE



The surface test tree controls the flow of fluid from the well. It consists of four gate valves—a master valve, a swab valve, a kill valve, and a hydraulically actuated flow valve.

A swivel below the central body of the test tree allows tubing to rotate freely, while the test tree remains stationary. The central body has a handling sub to allow lifting and adjusting the height of the tree.

**TETRA PRODUCTION TESTING SERVICES**

## TECHNICAL SPECIFICATION

<b>Working Pressures:</b>	68.95 MPa (10,000 psi)
<b>Working Temperature Range:</b>	-29°C to 176°C (-20°F to 350°F)
<b>Service:</b>	H <sub>2</sub> S
<b>Standard:</b>	NACE MR0175
<b>Code:</b>	API 6A, ANSI B31.3
<b>Number of Valves:</b>	(4) 8.03-centimeter (3 1/16-inch) 68.95 MPa (10,000 psi)
<b>Valve Types:</b>	Gate Valves
<b>Crossovers:</b>	8.03-centimeter (3 1/16-inch) BX-154 x 8-centimeter (3-inch)—1502
<b>Flanges:</b>	API 6A 8.03-centimeter (3 1/16-inch) BX-154
<b>Handling Sub:</b>	14.6-centimeter (5 3/4-inch) 4 Stub Acme Box x Pin
<b>End Connections:</b>	
<b>Top Saver Sub:</b>	14.6-centimeter (5 3/4-inch) 4 SA RH Pin x RH Box
<b>Bottom Saver Sub:</b>	14.6-centimeter (5 3/4-inch) 4 SA Pin x 15.7-centimeter (6 1/8 inch) 4 Stub Acme Box
<b>Production Ell Block:</b>	8.03-centimeter (3-inch)—1502 Female
<b>Kill Ell Block:</b>	8.03-centimeter (3-inch)—1502 Male
<b>Lift Eye:</b>	8.03-centimeter (3-inch) diameter Pad Eye