

WellWatcher Advisor* Software Modules

Technologies

	Monitoring Module		Flow Allocation Module	Completion Module	Production Module		Reservoir Module	
Manara* production and reservoir management system	Real-time pressure, temperature, equipment health check, and alarms	Water cut, flow rate, and back allocation		Well cleanup, productivity index, and reservoir pressure	Production optimization	Gas breakthrough identification	Permeability and skin	Reservoir boundary effects
IntelliZone Compact* modular multizonal management system, Proteus* electrohydraulic flow control and monitoring system	Real-time pressure, temperature, equipment health check, and alarms		Flow rate and back allocation	Well cleanup, productivity index, and reservoir pressure	Production optimization	Gas breakthrough identification	Permeability and skin	Reservoir boundary effects
Hydraulic flow control valves with WellWatcher* permanent monitoring system gauges	Real-time pressure, temperature, equipment health check, and alarms		Flow rate and back allocation	Well cleanup, productivity index, and reservoir pressure	Production optimization	Gas breakthrough identification	Permeability and skin	Reservoir boundary effects
FloWatcher* flow rate, fluid density, and PT monitoring system	Real-time pressure, temperature, equipment health check, and alarms	Water cut	Flow rate and back allocation	Well cleanup, productivity index, and reservoir pressure		Gas breakthrough identification	Permeability and skin	Reservoir boundary effects
Dual WellWatcher system PT gauges on tubing	Real-time pressure, temperature, equipment health check, and alarms	Water cut				Gas breakthrough identification		
Single WellWatcher system PT gauge	Real-time pressure, temperature, equipment health check, and alarms							