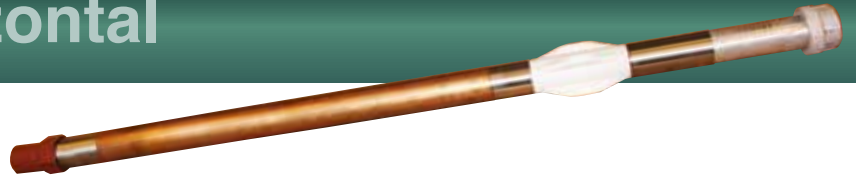




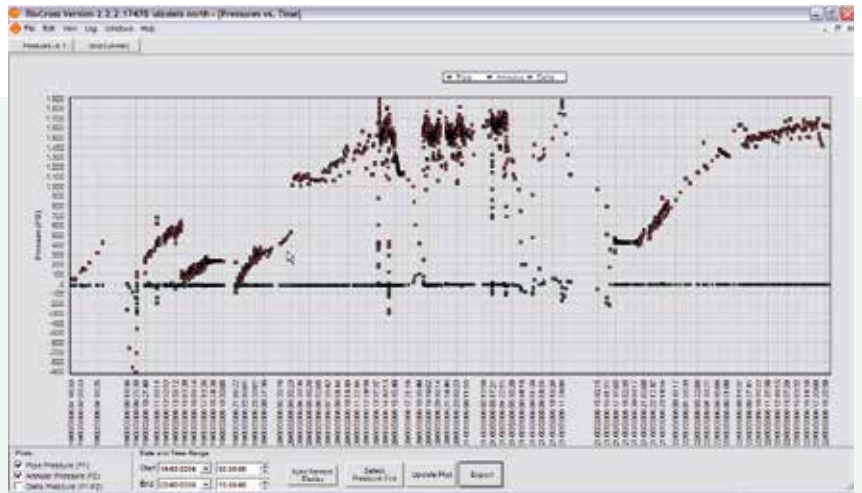
Pressure Module

Prime Horizontal



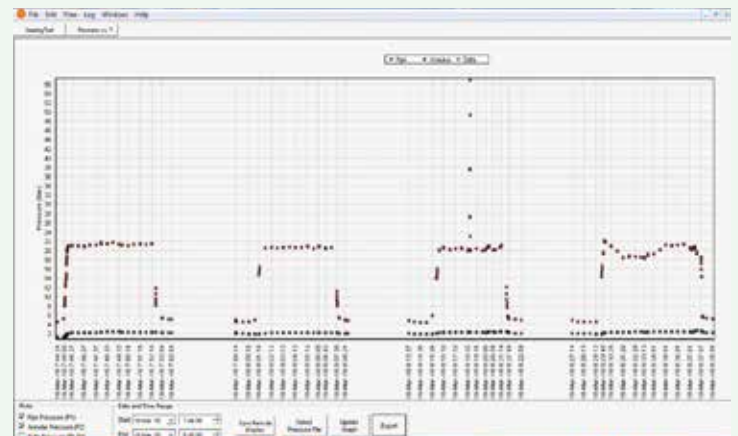
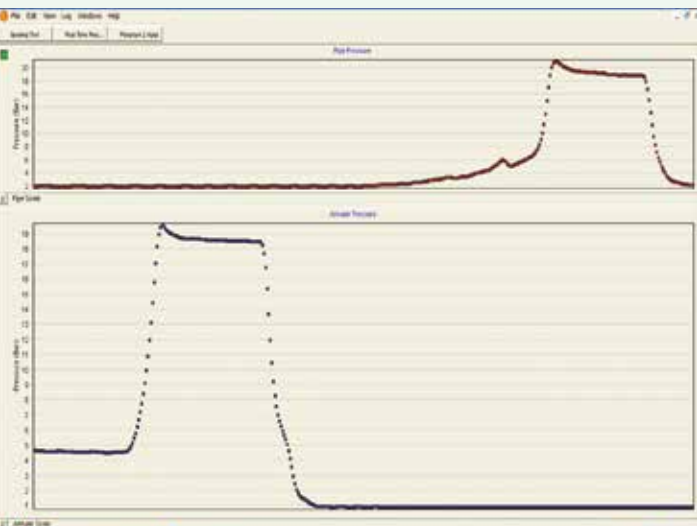
Pressure Module

A Pressure Module is used to measure downhole pressure. It gives real-time measurements of mud pressure both inside the drill pipe and in the annulus just behind the drill bit. Pressure measurements are taken behind the bit when jetting. When using a mud motor the pressure is measured directly behind the mud motor.



The pressure data is monitored and stored by the standard RivCross software used with the Paratrack-2 system. The pressure can be viewed in real time. It is also stored for later use. The software allows easy graphical representations of pressure variations with time, an example of which is shown in Figure 3. Alarms can also be set in the software and will trigger if pressure limits are exceeded during drilling.

Because it is capable of giving a rapid indication of an increase in downhole pressure, the measurement of pressure while drilling is an effective technique to reduce the risk of bentonite (drilling mud) breakout during the drilling process. It can also help ensure that a drilled hole is kept clean and free of blockages, thus reducing operational risks.



Examples of a post-job PWD drilling charts

Pressure Module Specifications

Length	600mm
Drillpipe annulus gauge	350 bar full scale
Pilot hole annulus gauge	35 bar full scale

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