



COLLOIDAL BORESCOPE FLOWMETER

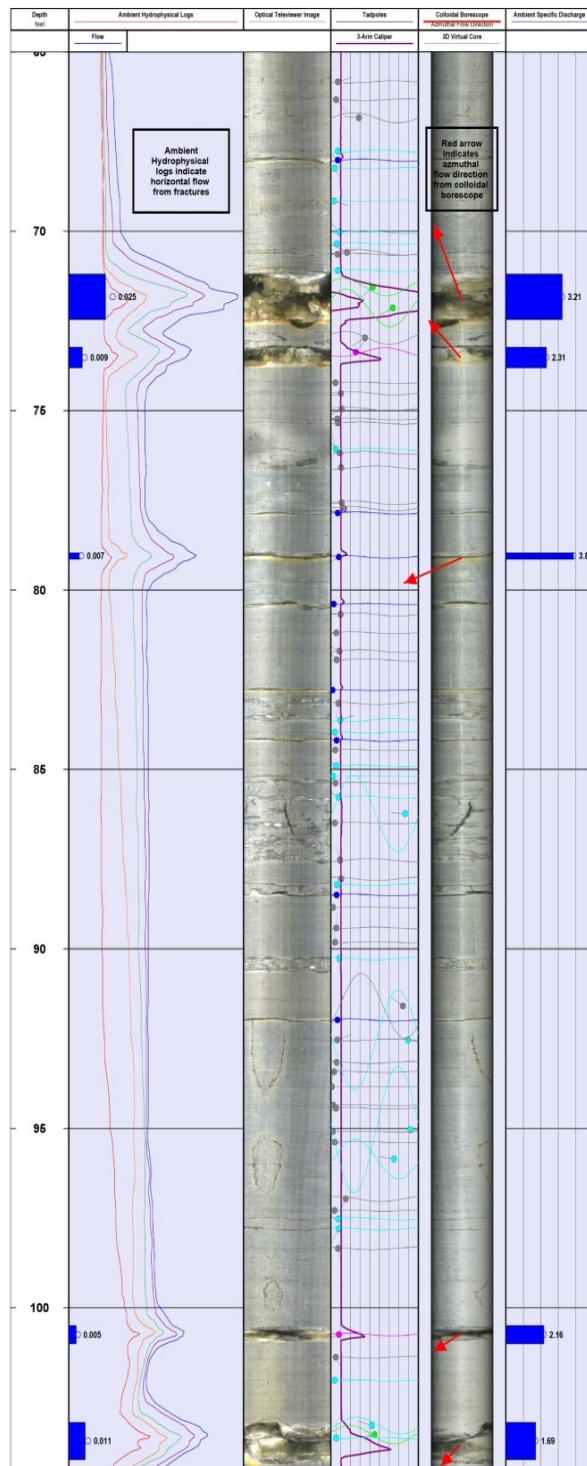
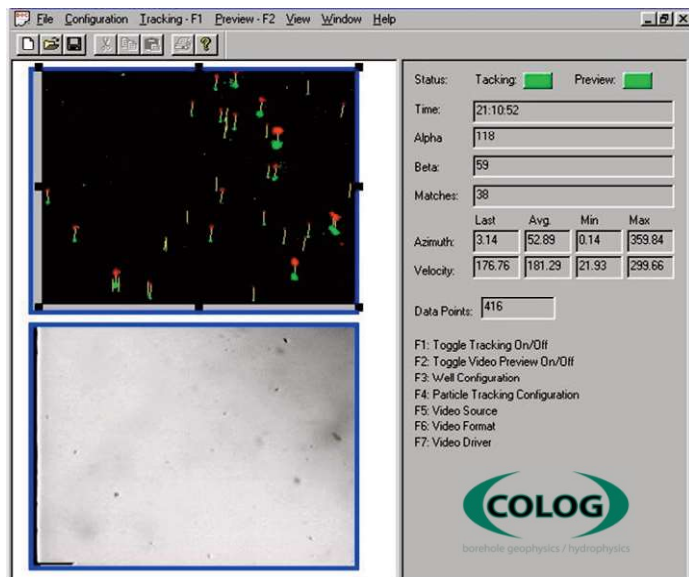
The Colloidal Borescope Flowmeter (CBFM) was developed to accurately determine horizontal groundwater velocity and direction in wells and open boreholes. Acquiring multiple real-time tracking measurements of colloids inherent in groundwater provides statistically-assured data. The resulting dataset is a compilation of thousands of tracked vectors at specific depths. Utilizing existing monitoring wells for test locations saves costs and eliminates the need for additional new piezometers.

APPLICATIONS:

- + Assess groundwater capture zones
- + Plan locations for monitoring, injection, and extraction wells
- + Calibrate horizontal groundwater models
- + Provide evidence for groundwater contamination litigations
- + Evaluate cross-hole hydraulic connections
- + Determine contaminate transport

PROBE SPECIFICATIONS:

Diameter:	45 mm (1.75 in.)
Length:	54 cm (1.77 ft.)
Max Temperature Rating:	45°C (113°F)
Max Pressure Rating:	82 bar (1190 psi)
Flow Velocity Range:	0 to 30 mm/sec (0 to 5.9 ft/min)
Max Depth:	305 m (1000 ft.)
Min Particle Size:	10 µm
Min Borehole Diameter:	51 mm (2.0 in.)



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