

Water Investigation Tool

The Expro Water Investigation Tool (WIT™) combines a downhole video camera with several logging sensors designed to pinpoint hydrocarbon and water entry points in wells where water cuts are in excess of 50%.

In high water cut wells, traditional electronic sensors used for determining water hold up and phase composition are less than accurate. Even recent array tools have limitations based on their sensor technology and materials combined with their placement within the wellbore.

With a camera as the primary sensor, hydrocarbon entry points into a water phase are very clear. The additional temperature / pressure / spinner sensors help identify water ingress points. A Gamma Ray and Casing Collar Locator are also included for correlation purposes.

The Expro WIT is especially suited for deviated wells where segregated flow makes fluid ingress and identification more challenging.

Applications:

- Fluid identification in high water cut wells
- Low flow rate wells
- Deviated wells
- Mechanical investigation surveys
- Water entry in gas wells

Features:

- Instant visualisation of downhole conditions
- Full view of entire wellbore
- See below the tool string into 'dead' areas
- Fully functional client viewer software



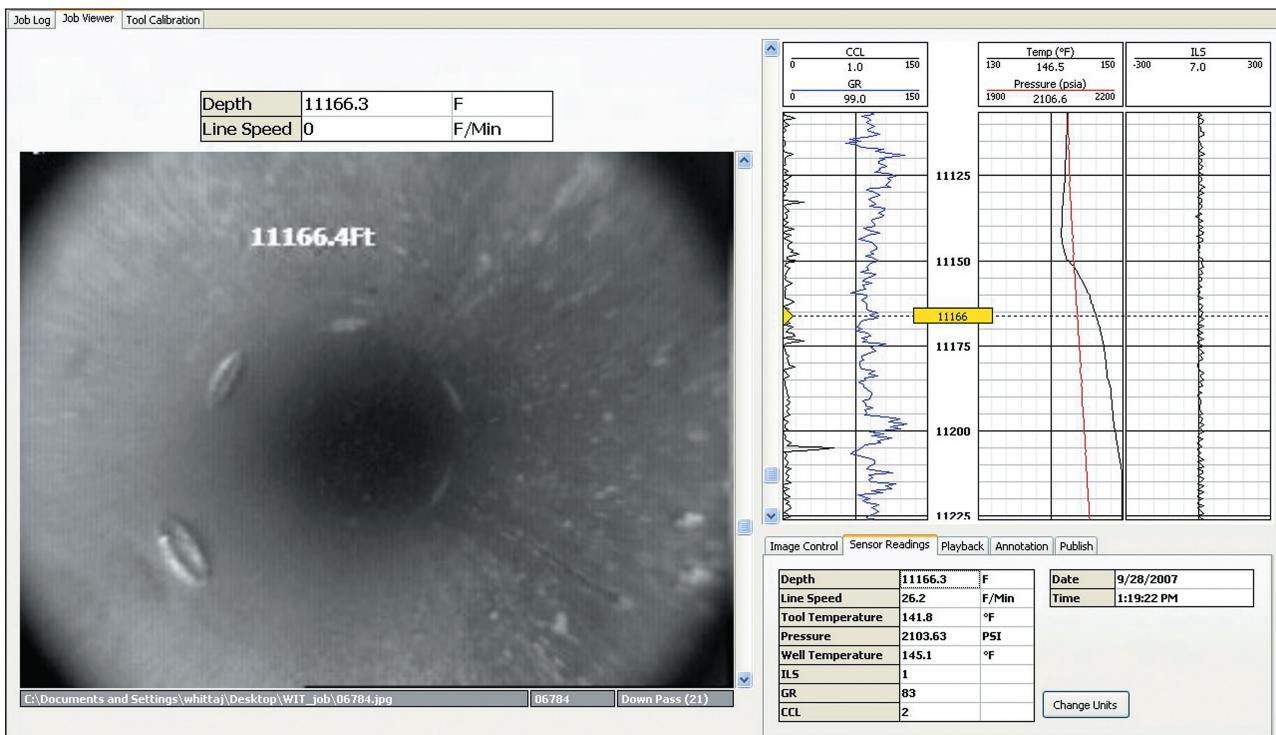
Production Monitoring



Water Investigation Tool

Technical Specifications:

Length	22.3ft (6.8m)
Diameter	1 ¹¹ / ₁₆ " (43mm)
Weight	42lbs (19kg)
Max. Temperature	275°F (135°C)
Max. Pressure	10,000 psi (69 MPa)
Spinner	1 ¹¹ / ₁₆ " (43mm) or 2 ¹ / ₈ " (54mm) In-line
Pressure Sensor	Piezo-resistive
Temperature	Fast response well bore
Frame Rate	1.3 seconds per sample



Client viewer software package showing integrated sensor and video data

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