

## CASED HOLE ANALYSIS TOOL (CHAT)

Formation Evaluation for Exploration, Reservoir Monitoring and Problem Well Diagnostics

### Measurements:

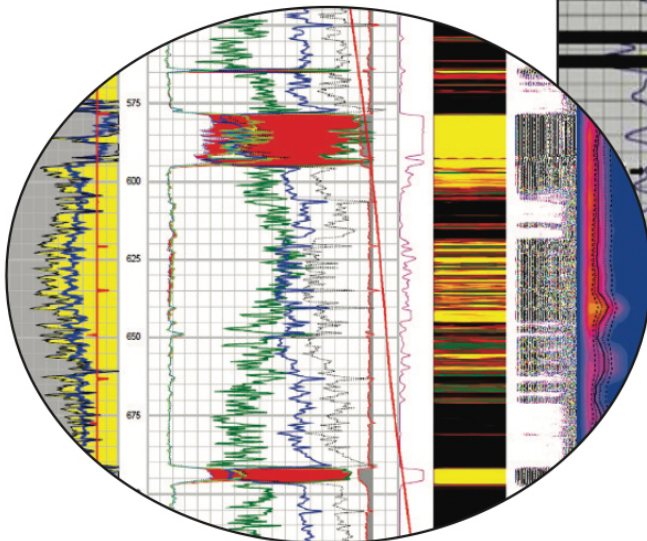
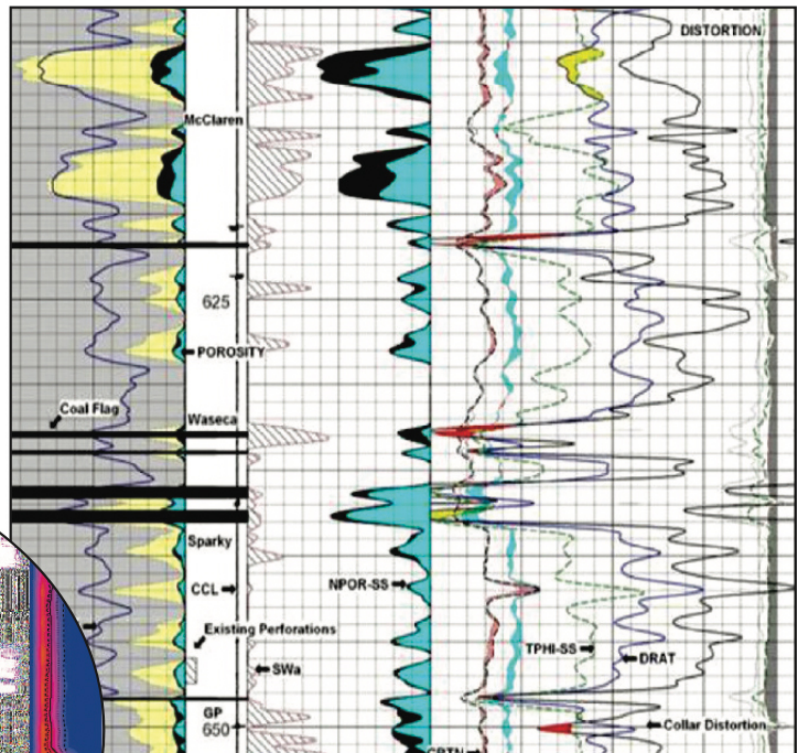
- Thermal Neutron
- Epithermal Neutron
- Formation Density
- Gamma Ray
- Casing Collar Locator

### Deployment (SRO and Memory):

- Electric Line and Slickline
- E-Coli and Standard Coil (Memory)
- Tractor
- Pump Down
- Drill Pipe

### Applications:

- Primary Porosity Measurements
- Reservoir Potential Evaluation
- Reservoir Depletion Evaluation
- Coal Bed Methane (CBM)
- Surface Casing Vent Flow
- Horizontal Wellbore Evaluation
- Full Memory Application
- Problem Well Diagnostics
- Dry Wellbore Formation Evaluation
- Bypassed Pay Evaluation
- Identify Up-Hole Potential
- Annular Fluid Identification



Size	Pressure	Temperature	H <sub>2</sub> S / CO <sub>2</sub>
43 mm (1 11/16")	103 MPa (15,000 psi)	150°C (300°F)	yes / yes
83 mm (3 1/4")	103 MPa (15,000 psi)	150°C (300°F)	yes / yes