

# Pore Pressure Prediction



More than 25% of drilling's non-productive time is due to overpressure. In addition to decreasing the NPT, correct prediction of the pressure regime in a well enables faster drilling, less formation invasion and therefore improved production.

Our service offers:

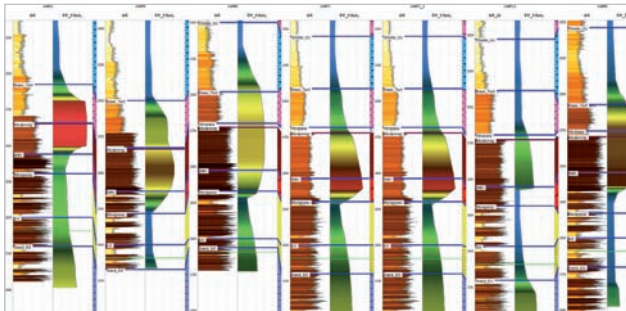
Prospect pore pressure and fracture gradient prediction

Integrated engineering, well log, seismic and geological interpretation

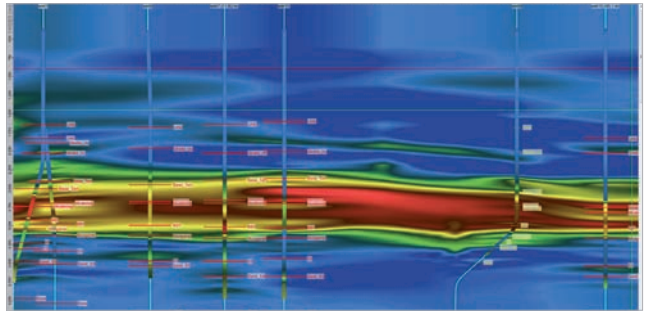
Seal analysis including centroid effects

Pore pressure volumes

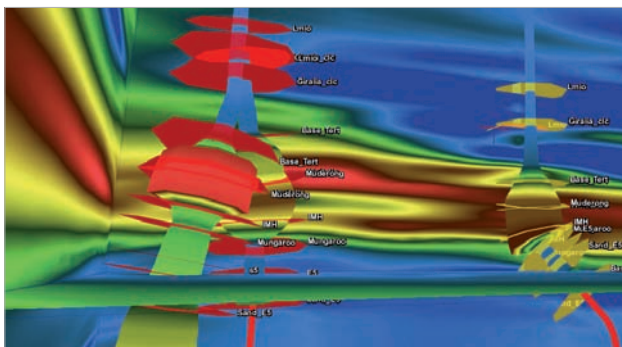
High resolution velocity picking



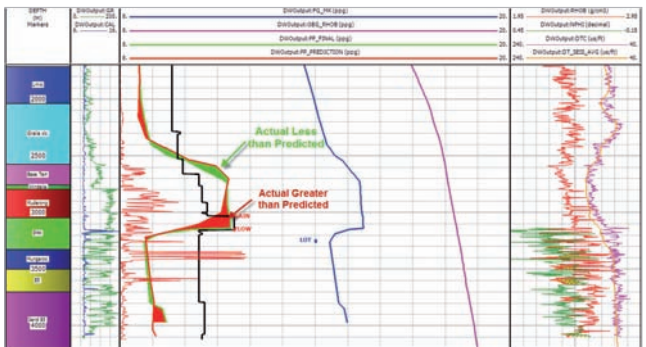
**FIGURE 1**  
Petrophysical interpretation of existing wells to define geological relationships and to define true in-situ well pressure conditions.



**FIGURE 2**  
Well actual pore pressure calibrated to velocity information. Uncertainty away from well control can be further reduced by high density velocity picking.



**FIGURE 3**  
Volumes of vertical and horizontal stress for use in well planning, but also useful to the explorationist.



**FIGURE 4**  
Comparison of predicted vs actual pressure from a newly drilled well. When all available data is used correctly overpressure can be predicted within +/- 0.5ppg