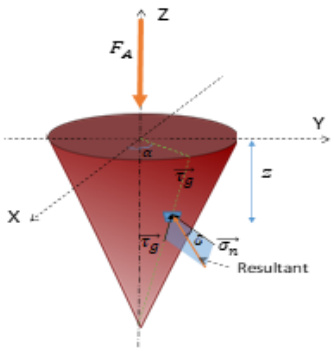
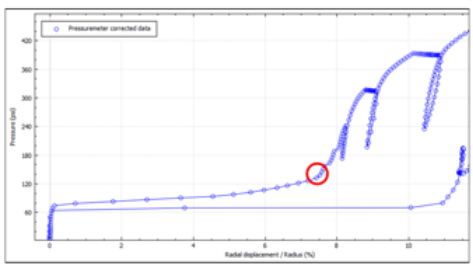
Gain Insight

Unlock the rock!





Integrity Insitu LLC

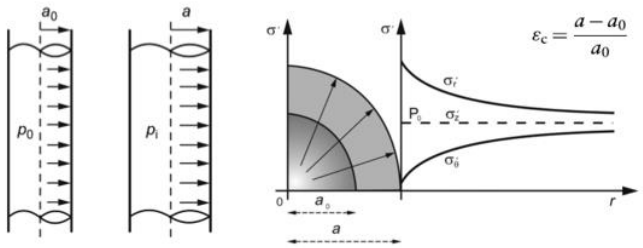
INSITU ROCK STRENGTH DATA

INTEGRITYINSITU.COM

Physical acquisition of rock properties and stress magnitudes.

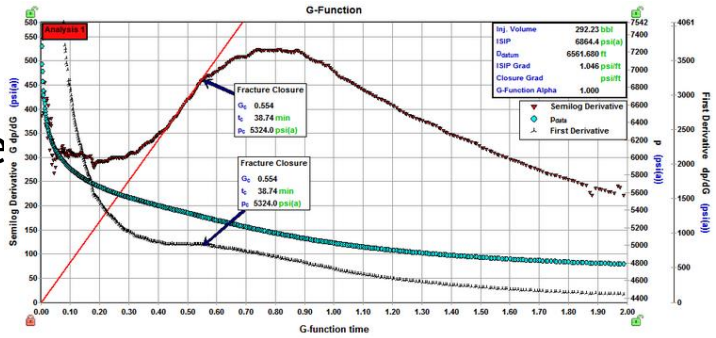
Intelligent Packer

- Instrumented membrane that measures the rock's response to applied force



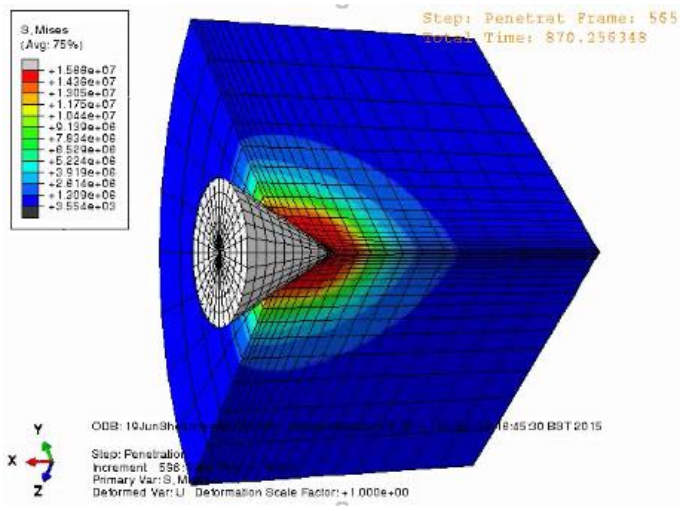
Mini-Frac

- Low volume, high pressure fluid injection



Shear Head

- Downhole combination of a direct shear box test and a 'scratch test'



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INSITU ROCK STRENGTH DATA

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Universal data that crosses industry borders.

Physically Measured via the HTHP Insight Tool:

Minimum In Situ Stress
Permeability
Average In Situ Stress
Shear Modulus
Limit Pressure
Residual Strength
Stress Anisotropy Orientation
Cohesion
Friction Angle
UCS
Tensile Strength
Brittleness

Finite Element Modelling Outputs:

Effective Insitu Horizontal Stress
Undrained Shear Strength
Undrained Shear Modulus
Unloading Shear Strength
Shear Stiffness Coefficient
Shear Exponent of Elasticity
Maximum Shear Modulus
Insitu Pore Pressure
Dilation Angle
Critical State Friction Angle
Dynamic Viscosity of Pore Fluid

Readily Derived:

Young's Modulus
Poisson's Ratio

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INSITU ROCK STRENGTH DATA

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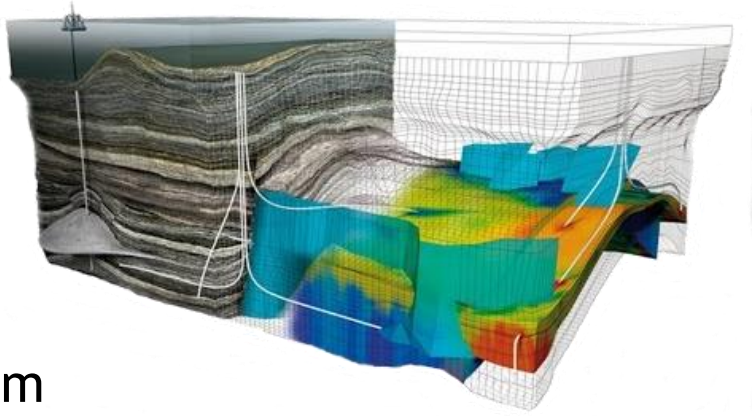
Mechanical measurements that make all the difference.

Do you prefer real-time results or painful wait time?

Is in situ data important to you and your models?

We physically measure in situ rock strength and stress properties via mechanical testing of the wellbore wall!

Cory Fehr, PMP
President
(403) 923-2908
cfehr@integrityinsitu.com



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