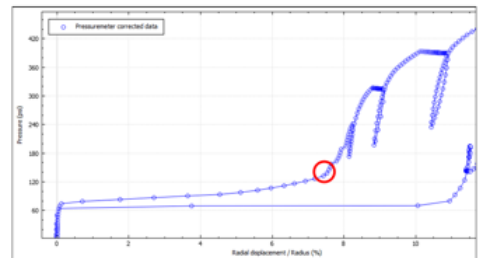
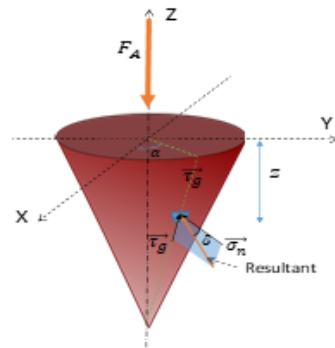


Gain Insight Unlock the rock!



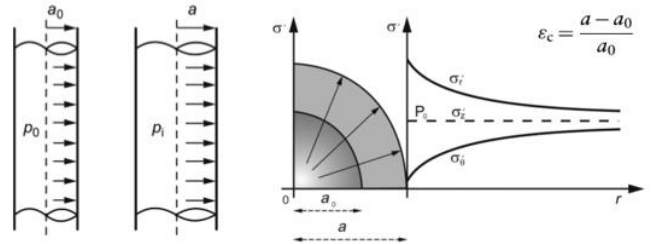
Integrity Insitu

INSITU ROCK STRENGTH DATA
INTEGRITYINSITU.COM

Physical acquisition of rock properties and stress magnitudes.

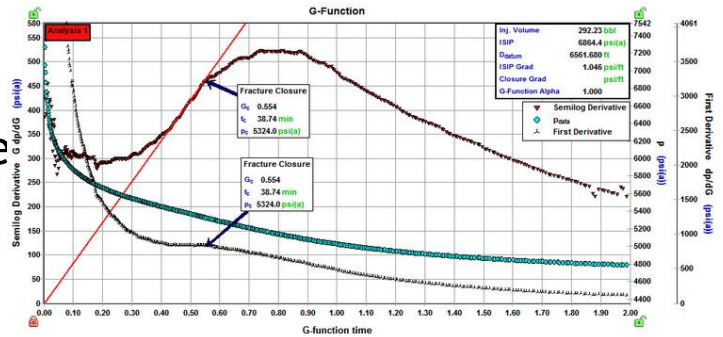
Intelligent Packer

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



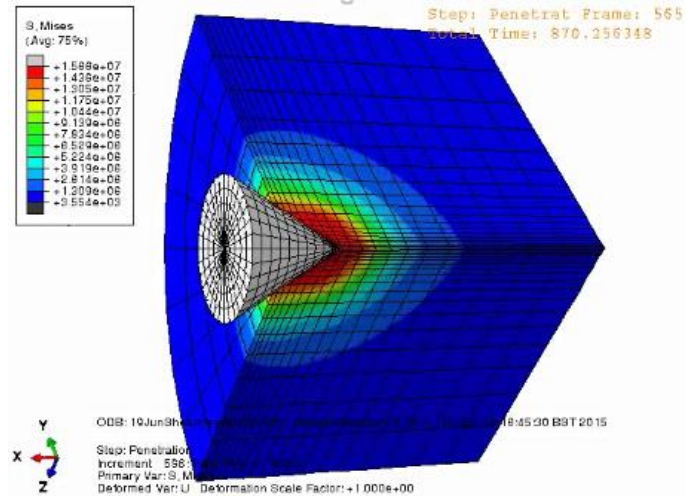
Mini-Frac

- Low volume, high pressure fluid injection



Shear Head

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



Integrity Insitu

INSITU ROCK STRENGTH DATA

INTEGRITYINSITU.COM

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



Integrity Insitu

INSITU ROCK STRENGTH DATA

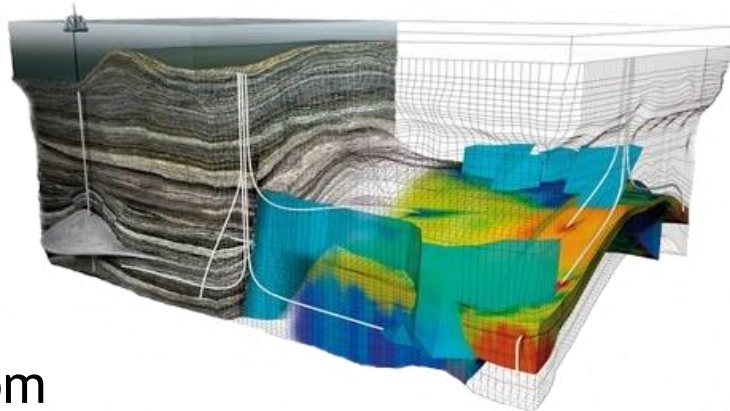
INTEGRITYINSITU.COM

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

www.integrityinsitu.com

info@integrityinsitu.com

 integrity-insitu

t @integrityinsitu f integrityinsitu

 integrityinsitu

1515 28th Steet NE
Calgary, Alberta T2A 3T1



Integrity Insitu

INSITU ROCK STRENGTH DATA
INTEGRITYINSITU.COM