

iPerf[®] 2.0
Perforating Performance Software

NEXT GENERATION PERFORATING SIMULATION SOFTWARE

wellbore Diameter: 3.5 in
casing OD: 2.675 in
casing ID: 2.09 in
Gun Diameter: 2.125 in

GEOdynamics[®]



Optimize Your Perforating Completion Design Decisions Using Our Industry Leading Simulation Software

Why Simulate?

Perforations play a critical role in well performance, providing the connection between the wellbore and undamaged reservoir. Failure to properly evaluate available perforating systems and configurations can lead to suboptimal completion and assets that are less profitable than planned.

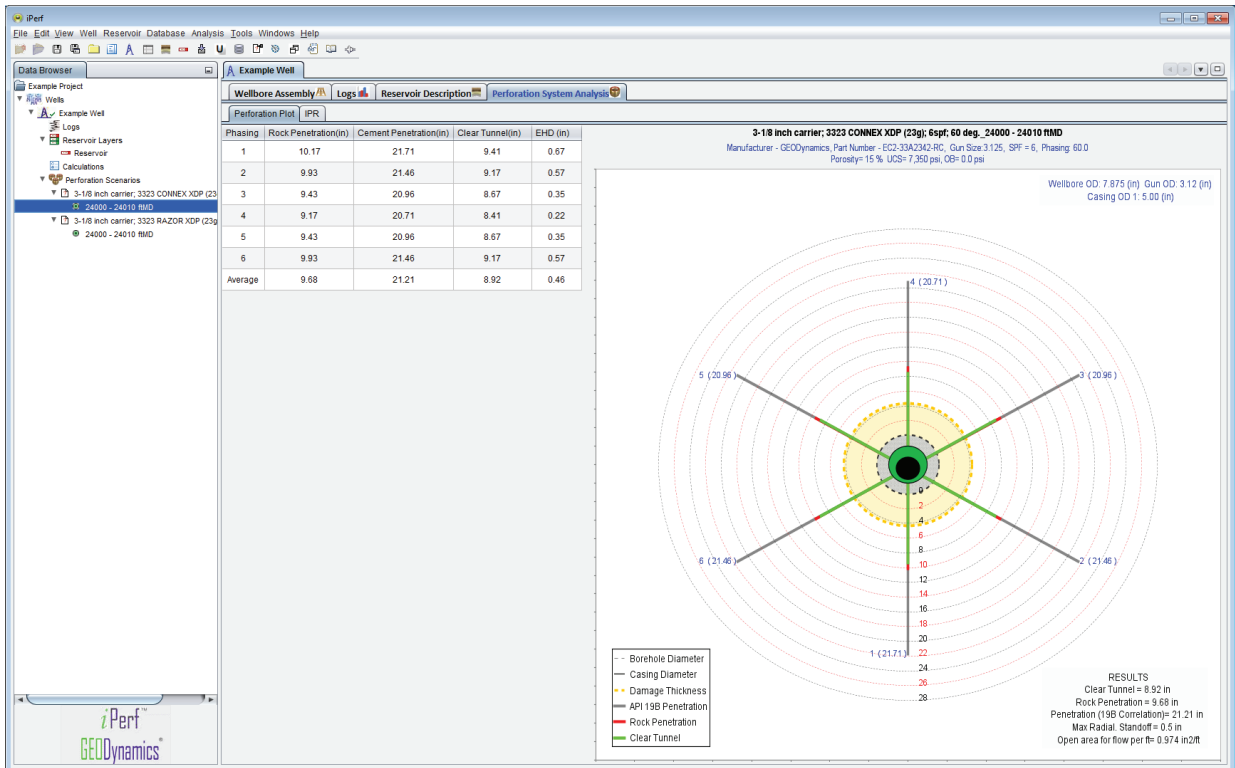
iPerf® 2.0 provides a method of evaluating various alternative carrier and charge configurations under differing wellbore and reservoir conditions and the resulting impact on well inflow and outflow performance.

iPerf® 2.0 Charge Performance Analysis

Optimization of perforating charge performance for a specific wellbore and formation configuration is beneficial to the design of the completion system. iPerf® 2.0 simulator uses the latest modeling developments to deliver realistic downhole system performance, which is based on findings from over 5000 laboratory charge tests conducted in formation rock under downhole conditions. Simulation performance results include entry hole, rock penetration, clear tunnel, and production estimates.

CUTTING EDGE FEATURES

- Simulate different gun systems & reservoir conditions
- Vendor independent gun database
- Depth of penetration, entrance hole, clear tunnel calculations using rock based correlations
- Stressed rock penetration model
- Inflow performance (IPR) simulation
- Based on rock penetration models
- Tubing performance simulation (VLP)
- Diagnostic PLT for various scenarios.
- Log based UCS calculations & pay zone selection



GET THE “HOLE” PICTURE

FOR MORE INFORMATION CONTACT US AT:

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