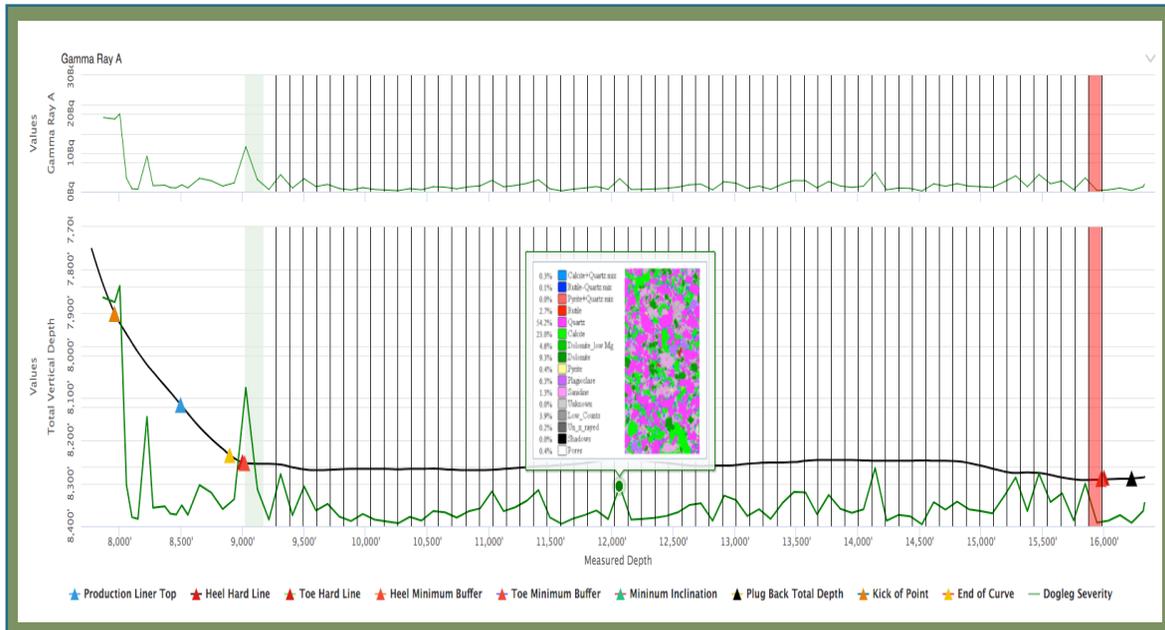


# Completion Design



Designing a perf plan requires the completions engineer to juggle a number of variables, constraints and criteria. You must consider heel and toe hardlines, maximum and minimum buffers, dogleg severity, production liner, casing shoe, trigger toes and more. Taking all of these constraints into account, you can then define maximum completed lateral length...but this is just the beginning. Then you must consider the perfs per cluster, which may vary by cluster. And don't forget the clusters per stage. While you're at it, you need to consider wireline data which can impact cluster spacing. Then when you have all of that, you still need to fit your plan to the available completed lateral length. It is more of an art than a science, with much of the process happening in the experienced engineer's head.

Because of the number of variables to consider, it is not uncommon for errors or omissions to occur. These mistakes can be costly. DeepData is the first solution to organize, systematize and visualize the perforation planning process. It takes the risk out of perforation planning, enabling the completion engineers to sleep better, knowing that he has accounted for all of the constraints. It also dramatically reduces the perforation planning process from hours to minutes, which is critical, especially in manufacturing mode.

In short, DeepData's Completion Design Module makes completion engineers faster, more efficient, and less error prone. It automates the mundane calculations so that you can focus on optimizing each well for the rock you encounter.

# Features & Benefits

Feature	Benefit
<b>Captures &amp; Applies Heel &amp; Toe Constraints:</b> Simply clone your company's various heel & toe constraints and they are automatically applied to determine the completed lateral length for you.	Instead of visually checking various constraints, they are cloned for each well, and applied for you, enabling you to focus on higher-value issues like maximizing production.
<b>Automates Calculations:</b> Calculates min/max completed lateral length by incorporating all possible constraints.	Completions engineers are too valuable to spend their time on mundane calculations, they should be focusing on how to maximize outcomes. DeepData handles the mundane for you, while presenting the tools for you to optimize your wells.
<b>Flexible Enough to Vary Perf per Cluster and Clusters per Stage:</b> Provides you fine-tuned control to design the perfect perf plan for each well.	Templates and cloning enable tremendous efficiency, but DeepData also provides you the ability to fine tune everything.
<b>Overlay Perfs and Relevant Data Series on a Directional Survey:</b> See the conditions you will encounter, enabling you to tune your perf plan.	Visualize all sorts of data, e.g. wireline data, over your perf plan, to make sure that you are maximizing the results for each well.
<b>Clone for Ease &amp; Speed:</b> DeepData's unique cloning capability enables you to clone company constraints, while addressing the unique characteristics of each well.	By integrating various automation tools DeepData reduces the time spent on perf planning from hours to minutes, freeing you to focus on optimization.
<b>Creates Complete Perf Plan &amp; Materials Lists:</b> These documents can then be distributed automatically to your distribution list.	A turnkey solution that generates the output you need to execute a successful well stimulation.
<b>Leverage Templates:</b> Templates for constraints, distribution email lists dramatically improve efficiency.	DeepData is dedicated to delivering precision solutions with speed and efficiency.

## Get Started Today

Through automation and wireline overlays, DeepData enables the engineered completion with alacrity and precision.

