

# DRILLING IN THE DARK

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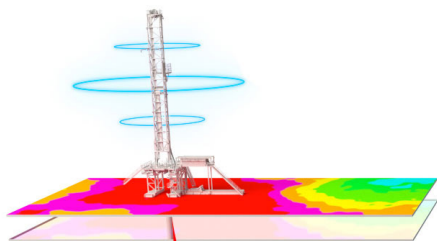
## HERE'S AN ANALOGY FOR YOU...

You're navigating in the city, and your GPS tells you to turn left in 500ft, but you're in the far-right lane, so by the time you hear it, that turn is impossible. You finally get in the left lane by the next intersection, but now the GPS is telling you to turn right because the next street is a one-way and it wants you to loop back to where you missed the turn. Of course once you're finally set up to make the correct turn you don't know which of the three lanes you should be in because you don't know what the next turn will be.

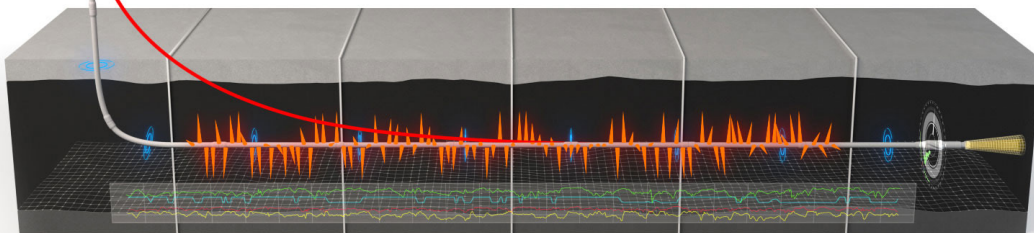
## SOUND FAMILIAR?

Except in our world the drilling group is at the edge of their original window, which happens to be in the center of the target. They slide down to "stay in the window" but end up going out of zone. Now they trigger a target line change saying they need to steer up (and slide yet again).

## SOLUTION? LET'S LOOK AT THE WHOLE MAP



Automated Geosteering from H&P offers a combined view of drilling and geology (e.g., being able to see the "whole map"). With this technology, the drillers have an early idea that they are actually in the center of the zone and do not need to slide. Of course, if they miss this detail and decide to plan for a slide anyway, the Geologists get an early slide warning and can make a preemptive target change - letting the driller know there's no need to slide.



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for more information about Automated Geosteering from H&P. It's time to start allowing for closer integration between drilling and geology so we can ultimately deliver a high value well - together.