MagVAR®

Magnetic Variation Services LLC

www.MagVAR.com

The MagVAR Recovery Simulator

The MagVAR Recovery Simulator is an open online tool which predicts wellbore placement errors based on user defined specifications.

Several costly impacts of wellbore placement errors include: wellbore collisions, reduced oil recovery and infraction of lease lines. Our recovery simulator quantifies the economic impacts of these risks in a user-friendly application.

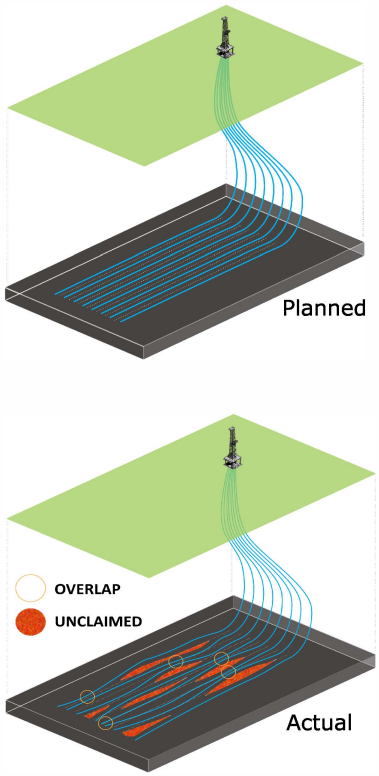
MagVAR's President Dr. Stefan Maus' recent presentation at ISCWSA
https://www.magvar.com/node/248

In today's uncertain market, maximizing recovery is key to maintaining the viability of assets. However, in an effort to cut costs and stay on budget, Oil and Gas Operators oftentimes choose to sacrifice quality. These sacrifices can lead to unintended consequences such as inaccurate well placement and unclaimed reserves.

To illustrate the impacts of poor well placement, MagVAR has developed a Recovery Simulator to help Oil and Gas Operators estimate the amount of resources left in place using wellbore placement methods with varying degrees of accuracy. By inputting parameters such as number of wells, well spacing, lateral length, etc. users can subsequently choose different accuracies of well placement methods such as the application of enhanced magnetics (IFR) and/or advanced Survey Management. Once the simulation has been run, the user receives a summary of results that display how much of the resource could be left in place based on the different wellbore surveying method(s) chosen.

The Recovery Simulator was recently presented at ISCWSA's 43rd meeting in Fort Worth, TX and was recognized by industry experts as a valuable tool to demonstrate the economic impacts of poor surveying.

Wellbore placement error
of the planned well vs the actual recovery



Simulate your recovery here:
https://tools.magvar.com/mvrs/

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