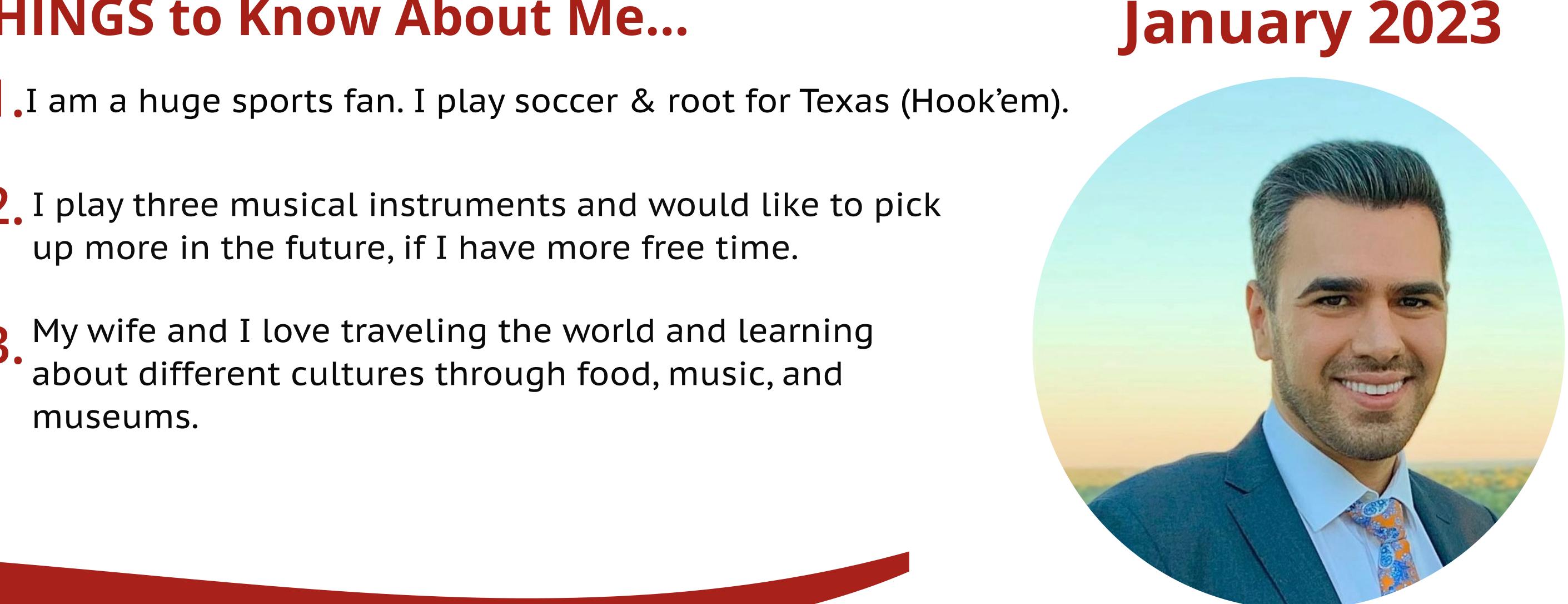


THINGS to Know About Me...

2. I play three musical instruments and would like to pick up more in the future, if I have more free time.

3 My wife and I love traveling the world and learning about different cultures through food, music, and museums.



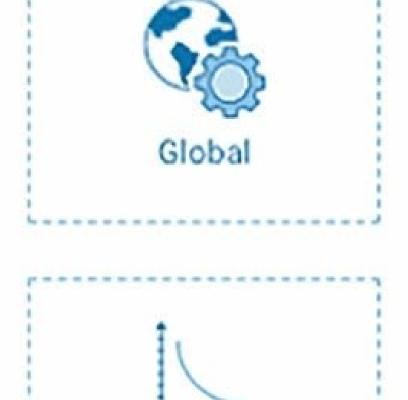
Hamed Darabi **Chief Technology Officer** QRI



#### Digital Transformation and Sustainability through SpeedWise

#### Who is QRI and what is SpeedWise?

QRI was founded in 2007 and built a reputation as leaders in reservoir management. The company is known globally as a value-creation enterprise that helps NOCs and small and large IOCs enhance production, reserves, and capital efficiency. Over time, the company took internal processes and traditional engineering workflows in O&G and began automating them. This evolved into SpeedWise, a comprehensive Al-based technology platform that includes 19 patents and 45 registered trademarks. SpeedWise is an end-to-end reservoir management platform that, fundamentally, addresses the same value-proposition as QRI did in the beginning – to increase production, reserves and capital efficiencies while reducing environmental footprint.



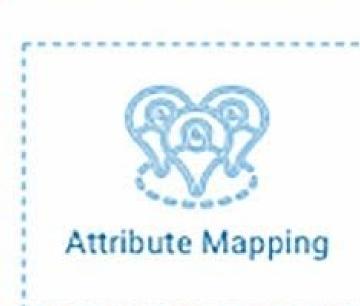




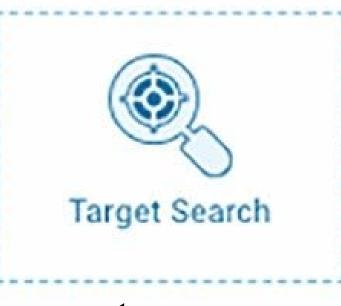














SpeedWise Waterflood Management: Injector/Producer Recommendations

## What pain points does SpeedWise address, and what

role is it playing in oil & gas digital transition? Today, every oil and gas company is going through some level of digital transformation and facing many challenges. Legacy data in non-digital format and unstructured data, traditional workflows are inadequate to efficiently unlock valuable information from massive amounts of data teams are dealing with.

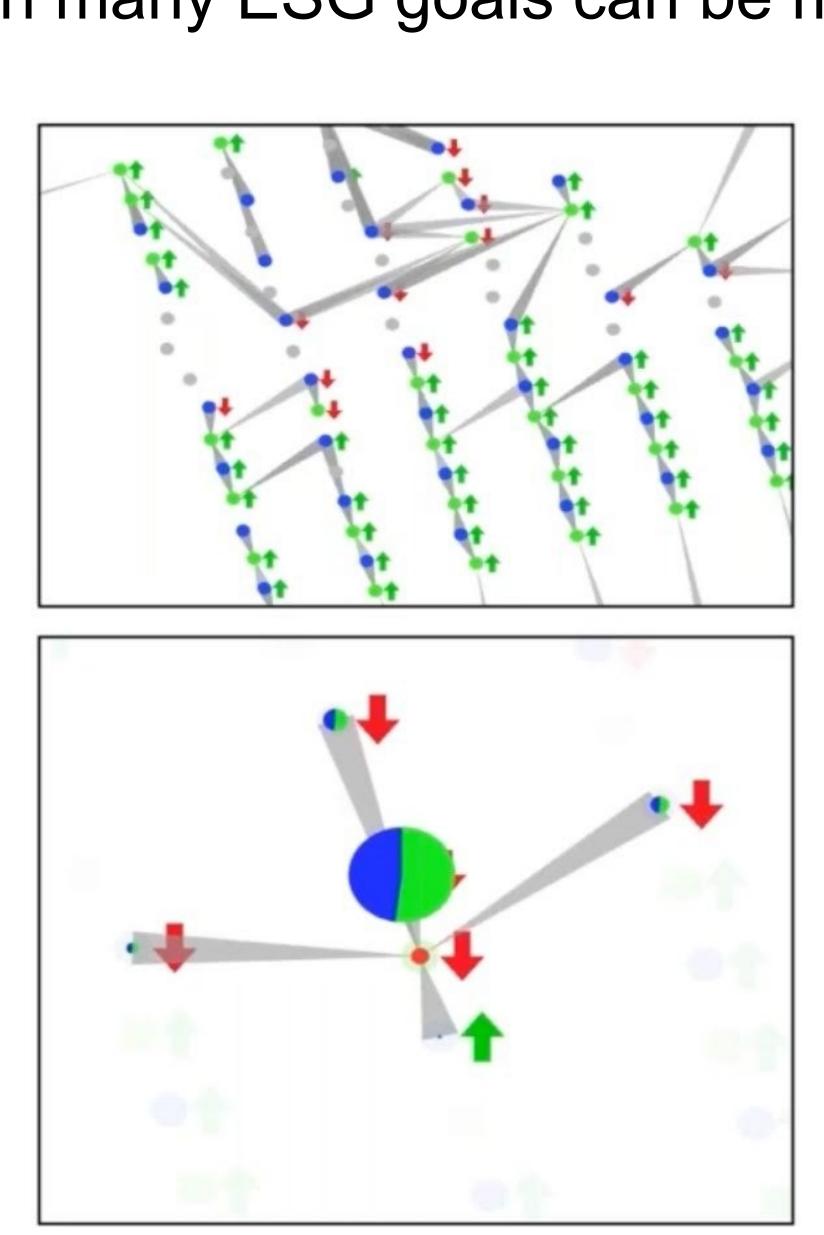
SpeedWise Galaxy is a cloud-native, integrated reservoir management platform that addresses these challenges head on. Asset teams can efficiently clean and organize subsurface data, and the platform is equipped with many modern subsurface, data-driven workflows that optimally blend physics and AI to effectively solve complex engineering problems such as well placement, waterflood optimization, artificial lift design, etc. Teams get better results and better optimized field development plans, much faster. SpeedWise is equipped with an intuitive, automated ML pipeline specifically designed for Geo Engineers and scientists without a comprehensive data science background. This makes ML accessible to everyone in the organization.

#### Can you elaborate on the ultimate ROI of adopting a platform like SpeedWise?

SpeedWise accelerates digital transformation; allowing domain experts and asset teams to get from data to the solution much faster and enabling O&G operators to manage assets more efficiently. The ultimate outcome is improved capital efficiency, increased production, increased reserves, and reduction in an organization's environmental footprint. For example, selecting the best subsurface targets for well placement - using SpeedWise - will result in more barrels with less investment on drilling, significantly improving capital efficiency.

#### With growing ESG demands and increasing policy regulations, operators are having to adopt and instill strict ESG values. How does SpeedWise help oil and gas companies with this?

SpeedWise addresses the sustainability problem by nature, helping companies meet business KPIs while being aligned with ESG values. In general, better reservoir management leads to better ROI and less environmental footprint. As an example, using SpeedWise for targeting well locations results in producing more barrels using a smaller number of wells. In other words, less energy and resources to produce more barrels. Another example is waterflood optimization. If we manage our waterflood program optimally, we can meet our production targets with minimum amount of injected or produced water. On top of that, QRI also partners with companies that have the same sustainable environmental stewardship principles of pushing towards net zero. One example is Infinity Water Solutions, who is reshaping how the field gathers, recycles, stages and sources (on-demand) water for production. Both QRI and Infinity are accelerating the pace at which many ESG goals can be met.



SpeedWise Reservoir Opportunity: Flexible settings enable workflows to adapt to field specific Complexities

#### How does SpeedWise differentiate itself from other machine learning and Al tools on the market?

The biggest differentiation is that SpeedWise Galaxy is an end-to-end reservoir management platform. It isn't just a data management or visualization tool, of course it serves those functions (data storage, data management, sharing, versioning, etc.), but on top of that the platform is equipped with automated, cross-functional, and data-driven workflows that combine physics and Al to solve complex reservoir management problems, addressing geology, production, drilling and environmental aspects. In addition, the technology has a global track record. We have more than 100 examples that show over 20 – 50% in capital efficiency improvement. The unified user experience and the automated nature of the workflow significantly reduces the time to value by more than 90%. So, asset teams can spend most of their time vetting the results and exploring alternative scenarios for field development plans in other words, focusing on what they do best. Bottom line, better risk mitigation and more confident decision making.

#### Being able to work and collaborate remotely is more critical than ever, especially in an industry where domain experts were already working in siloed environments. Can you talk about the collaborative aspects of SpeedWise?

Unfortunately, reservoir management workflows are burdened by functional silos. Look at the current industry practice for well selection. Geo-physicists and Geologists look at seismic data and geo models to identify the best locations. Then Reservoir Engineers submit production activity, and then Drilling Engineers may do a visibility analysis to see if they can hit the target from the determined platform location. So, in this process everyone is working with their own data and software and the team is not communicating enough. The Geologist may select the well location and three months later the well is not passing the drilling requirement, so the process starts all over again.

Using SpeedWise, asset teams collaborate in real-time. The platform's collaborative features fundamentally change the way asset teams work by addressing the issue of these functional silos. Every asset team member collaborates in a single platform to solve these problems - despite data and software discrepancies.

#### Oil and Gas companies deal with massive amounts of reservoir data that is very sensitive. How can you ensure that the data is secure when using SpeedWise?

SpeedWise is a cloud-native application hosted on the AWS cloud. In fact, QRI is an AWS Energy Competency Partner, which means we must meet strict guidelines to ensure the security of our customer's data. AWS Partners must undergo a rigorous technical validation process, including a customer reference audit. We have a shared responsibility model with AWS. AWS is protecting infrastructures that run SpeedWise in the cloud, including software, hardware, networking, and the facilities that run those services. Then there are also security measures on the application layer to ensure the highest level of security, such as identity and administrative access management roles and credential management, and many more security measures taken on the application layer.



### To connect with Hamed Darabi **CLICK HERE**

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