FracFigure
NextGen Hydraulic Fracture Imaging

Seismic Science

Unconventional Solutions
Problem

✓ How do I optimize completions?
✓ Where do I re-frac?
✓ Well-spacing?

✓ Fracture geometry?
✓ Where are the proppants?
✓ What are the SRV and drainage?
State of Microseismic Imaging
State of Microseismic Imaging

❌ Incomplete Picture
❌ Inaccurate Event Locations
State of Microseismic Imaging

✗ Incomplete Picture
✗ Inaccurate Event Locations

✗ NO Correlation with Production!
get the Science Right
get the Science Right

\textbf{FracFigure}
FracFigure honors the Physics
✓ Event Locations
✓ Event Locations

✓ Rock Properties!
✓ Yields detailed fracture geometry
✓ Know where your proppants are
✓ Accurate SRV and drainage

✓ Accurate production forecast
✓ Optimize completions
✓ Optimize re-frac
✓ Optimize child wells
Secret Sauce

Accurate & Unique

Fraction of Cost
Reduce time by Half
Proprietary technology Patent pending

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Business & Product Dev

PhD, Colorado School of Mines
R&D, BP Americas – Advanced Imaging
J. Clarence Karcher Award
Best Paper in Geophysics

Canonical
In-house Cluster

Google Cloud
Successes

- Bakken
- Meramec
- 3 Industry projects

$200k Grant
✓ TAM – $1.5 B
✓ 2019 projected revenue – $200 k
✓ 2020 projected revenue – $1 M
✓ 2021 projected revenue – $6 M
Operators

Service Providers