

FRACFIGURE

NextGen Hydraulic Fracture Imaging

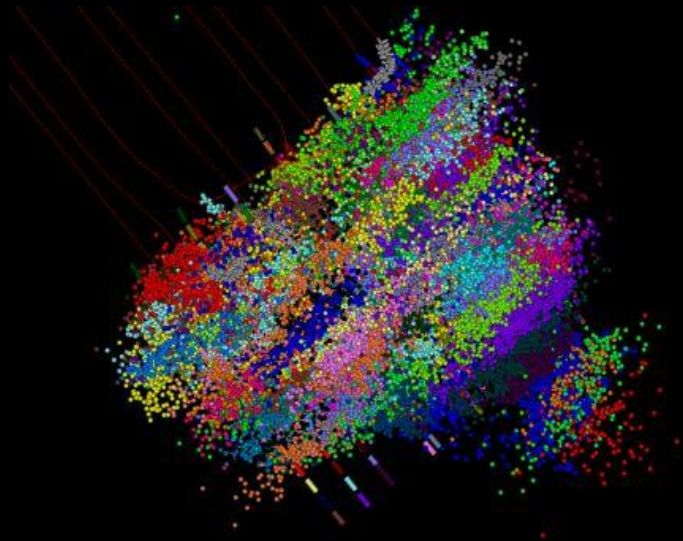
SEISMIC SCIENCE

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

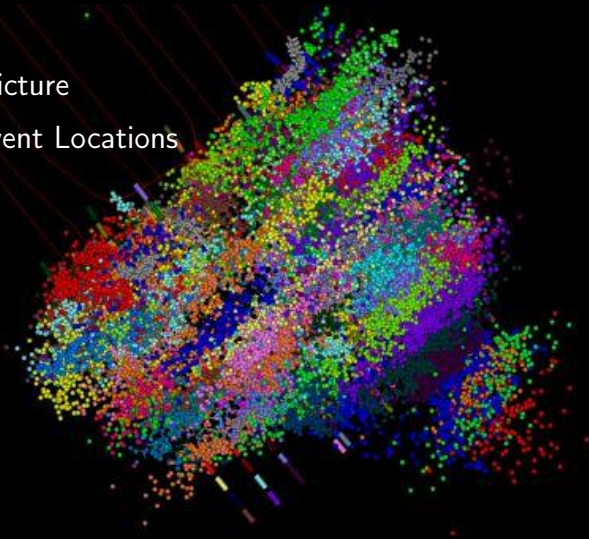






State of Microseismic Imaging

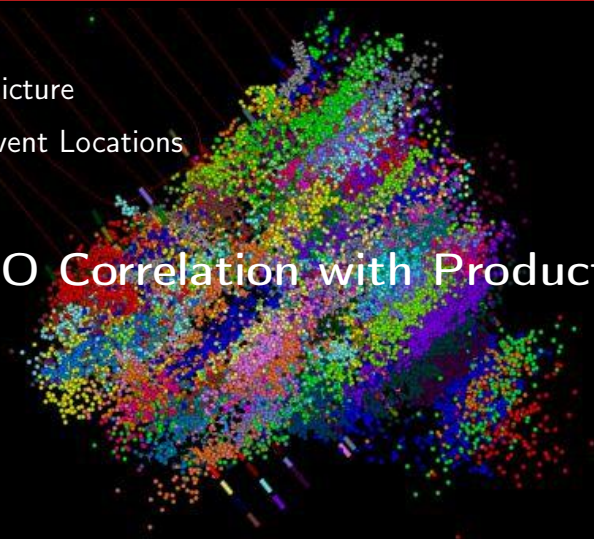
- ✗ Incomplete Picture
- ✗ Inaccurate Event Locations



State of Microseismic Imaging

- ✗ Incomplete Picture
- ✗ Inaccurate Event Locations

✗ NO Correlation with Production!

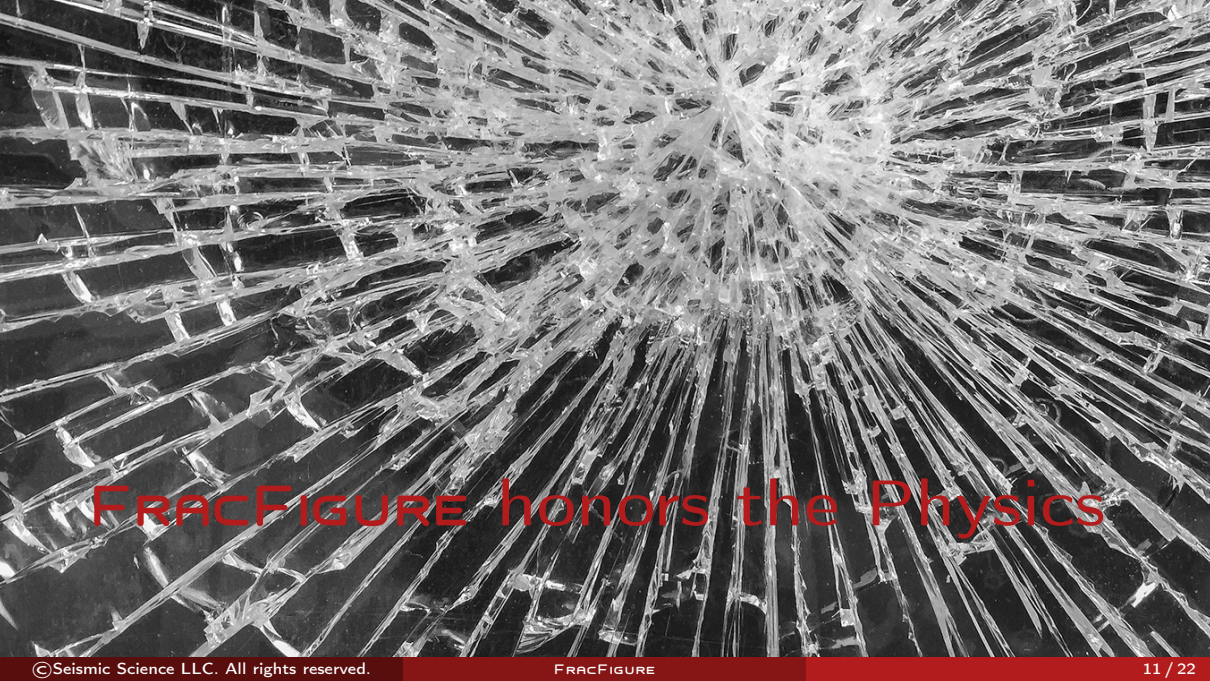


get the Science Right

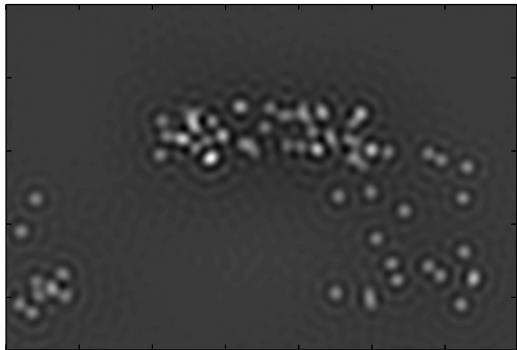
get the Science Right

FRACFIGURE

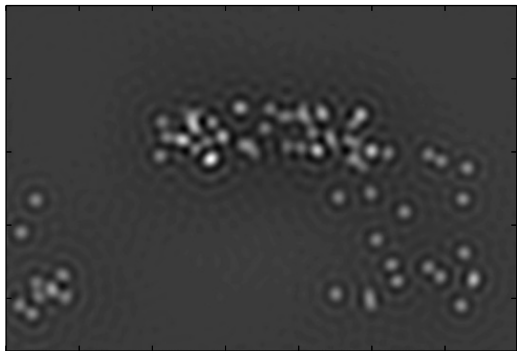




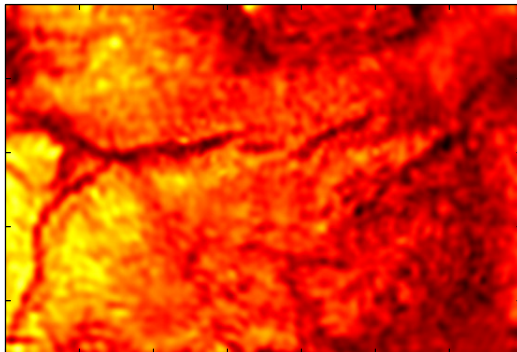
FRACFIGURE honors the Physics



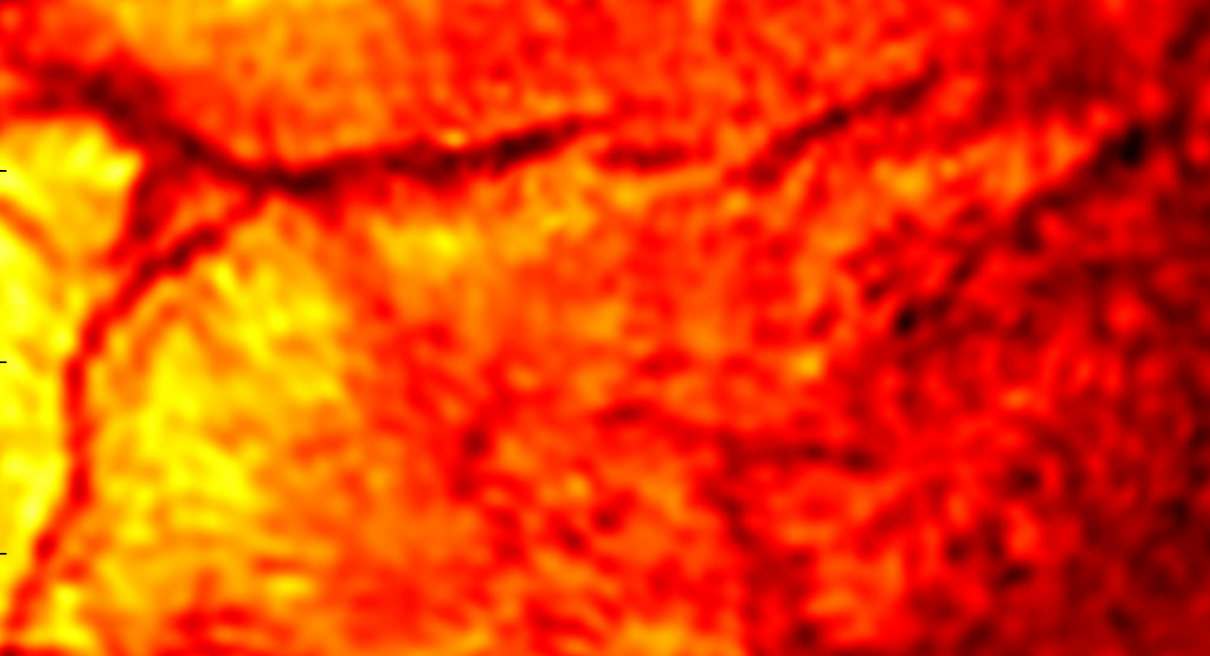
✓ Event Locations



✓ Event Locations

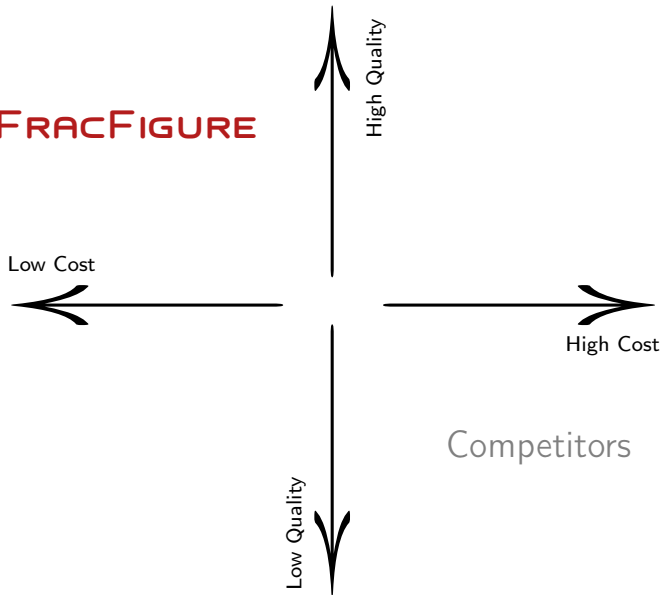


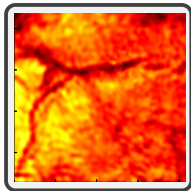
✓ Rock Properties!



- ✓ Yields detailed fracture geometry
 - ✓ Know where your proppants are
 - ✓ Accurate SRV and drainage
-
- ✓ Accurate production forecast
 - ✓ Optimize completions
 - ✓ Optimize re-frac
 - ✓ Optimize child wells

FRACFIGURE





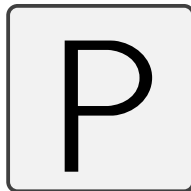
Accurate & Unique



Fraction of Cost



Reduce time by Half



Proprietary technology
Patent pending



Jyoti Behura
Business & Product Dev



Canonical
In-house Cluster



Google Cloud

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

- ✓ 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

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