

DAS Hybrid to Geochain/Optical phones

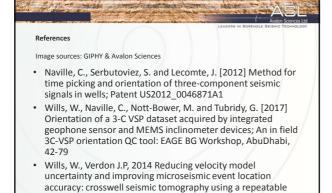
- Increased robustness for hostile wells (ROI)
- Measurement of sensor orientation even with rig source VSP
- Dynamic Range for both microseismic/monitoring and high energy VSP
- Instant velocity model calibration with DAS hybrid above 3-C sensors
- Modular upgrade with backwards compatibility to future proof and take advantage of new BHS technology

www.avalonsciences.com

GOING FORWARD: Industry Demands!

- Push for lower frequency It's all about the low frequency (>1Hz) – Optical Phone & DAS
- Increased Sensitivity and Noise Immunity Multiple Phones / High Vector Fidelity
- Deeper, hotter for longer! A permanent application Regulation for post fracture/reservoir stimulation operations (months – years after well operations).

www.avalonsciences.com



downhole sparker source: SEG Beijing BG Workshop, 55-59.

