# arkcls

# Seismic Net Pay

### *An improved method to estimate net pay from seismic attributes*

This method was originally proposed by Connolly[1] in his 2005 & 2007 papers and was given further credence in papers from (Simm[2] 2009) and (Meza et al[3] 2015)

ARK CLS Seismic Net Pay (SNP) accurately estimates net pay from seismic attributes and is proven to be effective over a wide range of reservoir thicknesses, including thin bed reservoirs. Dependent on the input data and calibration, it can be used to make estimates of either net pay or net rock volume. Net pay estimation is key to reservoir appraisal and development.

## MAIN BENEFITS:

♦♦ Provides a robust workflow for a wide range of reservoir thicknesses, including thin bed

♦♦ Provides significant improvement over reflectivity based and other techniques

♦♦ The chart below, from an independent study by a supermajor, shows the accuracy of SNP
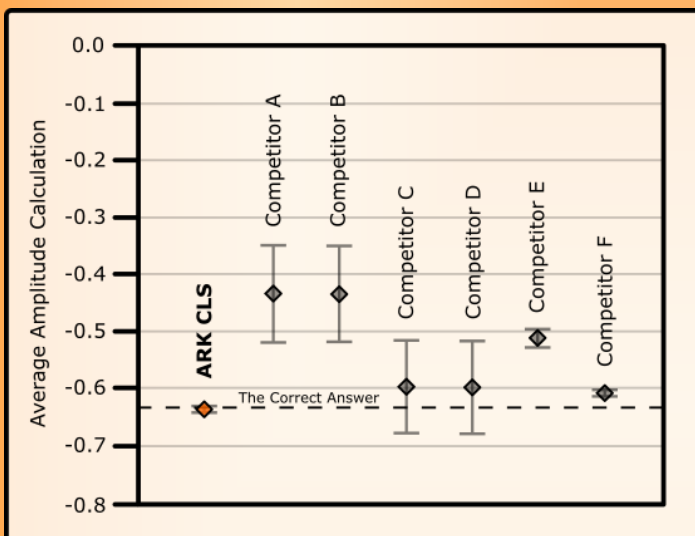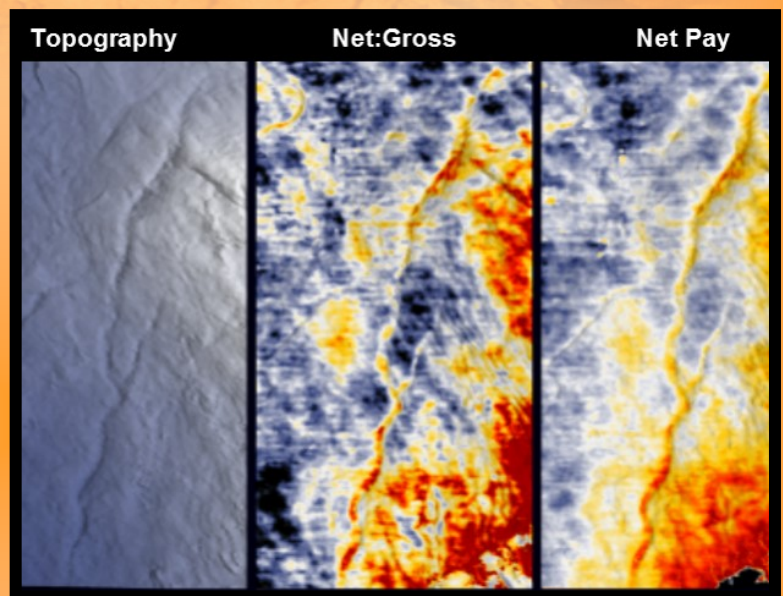
♦♦ Well data is used to calibrate the estimates of net pay to ensure maximum accuracy

♦♦ Fully integrates with coloured inversion workflow

♦♦ Fast, robust, inexpensive, easy to use

♦♦ Available as a plug-in for Petrel*, OpendTect and other Windows and Linux platforms

# FOR MORE INFORMATION CONTACT US ON +44 1234 834864

[1]Connolly, P.A., 2005, Net Pay estimation from seismic attributes, EAGE Extended Abstracts , Connolly, P.A., October 2007, A simple, robust algorithm for seismic net pay estimation, The Leading Edge. [2]Simm, R., 2009, Simple net pay estimation from seismic: A modelling study: First Break, 27 45-53. [3]Meza, R.G., Florez, J.M., Kuzmin,S., and Castagna, J.P., 2015, Quantitative assessment of the seismic net-pay method: A case study: InterpretationB25-B36