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PETROPHYSICS

Apache petrophysics group provides rigorous characterization of the physical properties of rocks, pores, and fluids, and integrates this information with other disciplines to maximize impact to the organization's profitability.












TECHNOLOGY

Petrophysics at Apache is an integrated discipline where we value the incorporation of multiple data sources in our evaluation. Our results and recommendations are based on analyses and workflows that are calibrated to all available subsurface and surface data, thereby reducing the uncertainty typically associated with log only evaluations. The petrophysics group offers these key technologies:

-  Log analysis and interpretation;
-  Core analysis and interpretation;
-  Core-to-log integration;
-  Resource and reserve estimation;
-  Permeability prediction (flow rates);
-  Pore pressure prediction and interpretation;
-  Well planning and operations;
-  Rock physics;
-  Training;
-  Staffing;
-  Software support; and
-  Advice and consultation on difficult problems.

AREAS APPLIED

Apache petrophysics is used on a global basis, and includes, but is not limited to, the following areas:

-  Egypt;
-  North Sea;
-  Argentina;
-  Canada;
-  Gulf of Mexico: on-shore, shelf and deepwater;
-  Permian basin;
-  Oklahoma;
-  Northwest Shelf of Australia;
-  Alaska;
-  Mexico; and
-  other parts of South America.

EXTERNAL ACTIVITIES

Apache petrophysicists are engaged in a broad range of activities in the professional community. Members of our team work closely with the SPWLA, SPE, SEG, AAPG, HGS and GSH. We also encourage our staff to present technical talks and publish technical papers of interest to the petrophysical and geoscience communities.

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