



Petrophysical Solutions, Inc.

Dr. Matthew B. Carr
Senior Petrophysicist

Professional Experience:

Petrophysical Solutions, Inc.

Petrophysicist responsible for seismic petrophysics, rock properties analysis, and integration of well and seismic data.

Rock Solid Images, Houston, Texas

Chief petrophysicist responsible for petrophysical products design, quality control, and standards for all rock properties analysis.

Amoco Production Company, Houston, Texas

Petroleum geologist senior grade: petrophysicist, conducted petrophysical rock properties analysis in strategic technology group, in conjunction with world wide exploration effort. Was 1 of 3 petrophysicists supporting risk mitigation through rock properties, corporate-wide all BP-Amoco prospects evaluated prior to and following drilling.

Phoenix Development Company, Dallas, Texas; and the Carr Technology Group, Stafford, Virginia

Consultant: Petrophysicist evaluated new drilling technology with respect to formation evaluation and production of hydrocarbons.

Perception and Decision Systems, Columbia, South Carolina

Consultant: Petrophysicist, conducted special core analysis.

University of South Carolina

Instructor, laboratory instructor for Sandstone Petrology, Physical Geology, and Environmental Geology.

Education:

Ph.D. Petrophysics: 1996, University of South Carolina.

Dissertation Title: Quantification of microstructural elements in natural porous media with correlation to single phase and multiphase flow parameters.

MSc. Petrophysics: 1993, University of South Carolina.

Thesis Title: Analysis of nuclear magnetic resonance T₁ distributions in a porous carbonate reservoir, with calibration to petrographic image analysis.

B.S. Geology: 1991, Old Dominion University.

Skills:

Well log analysis for geophysical applications.

Seismic rock properties.

Classic petrophysics and formation evaluation.

Sandstone and carbonate petrology and its relation to petrophysics.

Instructor: Industry short courses; *Open hole well log analysis, geophysical well log analysis*

Petrographic image analysis; multi-variate analysis of natural systems (vector analysis; neural networks).

Classical statistics and geostatistics; Abnormal pore pressure evaluation, interpretation of nuclear magnetic resonance data in natural porous media, computer proficiencies (SAS, DOS, FORTRAN, various WINDOWS applications, UNIX, PETCOM, PETROSOLUTIONS, PETROTOOLS, PETROWORKS, STRATWORKS, iMOSS).

Honors, Awards and Affiliations:

Sigma Gamma Epsilon, National Honor Society for the Geosciences, member 1989-1991.

Amoco Production Company minority scholarship/fellowship 1989 -1996.

American Geological Institute minority scholarship 1990 -1996.

American Association of Petroleum Geologists, member 1990-present.

Society of Professional Well Log Analysts, member 1997-present.

Society of Exploration Geophysicists, member 2002-present.

State of Texas Professional Geophysicist #6689

US Patent awarded for system for utilizing seismic data to estimate subsurface lithology, 2005.

Areas worked

North America

United States	Arkoma Basin, Oklahoma
United States	Anadarko
United States	Greater Green River Basin
United States	Permian Basin
United States	Delaware Basin
United States	Powder River Basin
United States	Onshore Gulf of Mexico
United States	Offshore Shelf Gulf of Mexico
United States	Deep Water Gulf of Mexico
United States	North Slope – Alaska
United States	Cook Inlet - Alaska
Canada	Western Canada Sedimentary Basin
Canada	Orphan Basin

Africa

W. Africa	Offshore West Africa (Nigeria, Angola, Gabon and Equatorial Guinea)
Egypt	Nile River Delta
N. Africa	Offshore Tunisia
S. Africa	Orange River Basin

South America

Brazil	Offshore Brazil
Trinidad	Offshore Caribbean

Asia

Indonesia	East Java Sea
Saudi Arabia	Rub'al-Khali Basin, Greater Ghawar Uplift
China	South China Sea
India	Godavari – Indian Ocean
Japan	

Australia

East Timor Sea	
----------------	--

Europe

UK	North Sea
Denmark	North Sea
Germany	North Sea
Norway	Norwegian Sea, North Sea and Barents Sea