Petrophysical Solutions,Inc.

Barry J. Wilson
Senior Petrophysical Consultant

Summary: Over 20 years of experience in geological well operations, wellsite geology, development and EOR field studies, and petrophysical projects. Certified instructor for PetroWorks® (Landmark), GES® and PRIZM® (GeoGraphix). Working knowledge of Powerlog®, Geolog®, TerraStation® and GeoFrame®.

Professional Experience:

Petrophysical Solutions, Inc
Senior Petrophysicist. Multiwell petrophysical field studies in Gulf of Mexico, South Texas, West Texas, former Soviet Union, Colombia, Brazil, Venezuela, China and North Sea. Domestic and international instructor for Landmark (PetroWorks) and GeoGraphix (Prizm, GES). Rewrote substantial portions of Prizm training manual to enhance training documentation. Extended onsite international assignment for Corpoven in Venezuela. Assisted with Landmark software training for SOCAR Reservoir Modelling Center staff. Deepwater GOM operations support for development drilling program. Onsite mentoring and workflows for multiple clients.

Integrated Geoscience Technology, Inc.
Petrophysical/Geologist Associate. Participated in multiwell petrophysical field studies in Kazakstan (2 projects), West Africa, Colombia, West Texas and Russia for multiple clients. Experienced in log database preparation, quality control and analysis. Ongoing in-house petrophysical assignment with Conoco. Wellsite supervision of logging operations for Amerada Hess and BHP (Americas).

Amoco Production Company
Operations Geologist. Responsible for planning, coordination, contractor selection, office and wellsite supervision of exploration and significant development wells in the Gulf of Mexico, onshore Gulf coast and west Texas. Lead operations geologist for Amoco deepwater and subsalt exploration program in Gulf of Mexico. Worked in team environment with drilling engineer, exploration project team and log analyst in planning and drilling process.

Exploitation Geologist. Performed geological field studies in support of development and secondary recovery programs in west Texas and onshore Gulf Coast as part of exploitation team with production and reservoir engineers. Significant achievements include major improvements in waterflood efficiency in Midland Farms (Grayburg) Unit, major field study incorporating fieldwide infill drilling program in Cedar Lake (San Andres) Unit which led to additional infill drilling and property acquisitions, and development prospect in Welch field (Miocene) subsequently drilled as new pool discovery.

Exploration Geologist. Regional mapping and prospect generation in downdip Yegua tend (onshore Gulf Coast). Participated in development of Arctic strategy for Alaska and Canada.

Sun Exploration and Production
Geologist. Mapping project in Michigan Basin Silurian reef trend integrating well data with regional gravity survey.

Unitex, Limited
Geologist. Data acquisition and mapping in various parts of the Williston Basin.

Publications, etc.:

MS Thesis: "Depositional Environments and Diagenesis of the Aux Vases Formation, Illinois Basin"; Southern Illinois University, 1985.

"Depositional Environments and Diagenesis of Sandstone Facies in the Aux Vases Formation" (abstract); SEPM Midyear Convention, 1985.

Representative Fields/Formations of Major Studies:

Field: Yamal Peninsula, Russia; 60+ wells. Editing and analysis

Field: McAllen-Pharr (South Texas, Vicksburg), 40+ wells. Database cleanup and analysis for reservoir modelling study.

Field: Slick Ranch (South Texas, Vicksburg), 9 wells. Editing and analysis for 4-D project.

Field: Alibekmola field study, Kazakhstan, 12 wells. Editing and evaluation.

Operations: Deepwater GOM operations support, King/King's Peak/Marlin field development.

Field: Midland Farms Deep Unit (Permian Basin), 80+ wells. Editing, normalization And analysis.

Field: Ninian field, North SeaData QC and editing (20 wells)

Operations: Bohai Bay, China: operations and project support for exploration and Delineation wells; assisted with well evaluations for reserves certification presentation to Chinese oil ministry.

Field: Brazil, 3rd bid round: petrophysical analysis in Campos, Santos and Sergipe basins.

Field: Cabimas field, Venezuela: editing and normalization (70 wells)

Field: SMI 268 field, Gulf of Mexico: multiwell petrophysical study (130+ wells)

Field: Guneshli field, Caspian Sea: petrophysical workflow training for SOCAR staff

Field: Seminole (San Andres) Unit, West Texas. 700 well detailed petrophysical study.

Field: Ellenberger fractured pay evaluation (10 wells)

Field: Llanos Basin, Colombia: 40 well petrophysical study.

Operations: US Gulf Coast and offshore: petrophysical operations support for various clients.

Field: Norte de Monagas, Venezuela. 80 well petrophysical study performed onsite in Corpoven offices in Venezuela.

Field: West Jo Mill (Spraberry), West Texas. 70 well petrophysical study.

Field: High Island (Gulf of Mexico): 120 well petrophysical study.

Field: Mongolia: Petrophysical field study using Soviet-style log data.

Field: Kazakstan: Two regional petrophysical studies using Soviet-style well log, core and test data.

Field: Valverde Basin, west Texas: regional project involving application of petrophysical model to 200 wells in Wolfcamp tight-gas trend.

Operations: Deepwater and subsalt trends, offshore Gulf of Mexico: well planning, contractor selection and quality control, office and wellsite supervision.

Formation: Downdip Yegua trend, onshore Gulf Coast: regional mapping, prospect generation and evaluation.

Project: Alaska: regional study, development of Amoco Arctic strategy.

Field: Welch Field (Miocene), south Louisiana. Geologic mapping and log correlation in support of field prospect (subsequently drilled as discovery).

Operations: Wilcox and Yegua trends, onshore Gulf Coast: well planning, contractor selection and quality control, office and wellsite supervision.

Field: Cedar Lake (San Andres) Unit, west Texas: development of geological/petrophysical model in support of waterflood project.

Field: Midland Farms (Grayburg) Unit, west Texas: evaluation of geologic/petrophysical data in support of waterflood remediation study.

Operations: West Texas: well planning, contractor selection and quality control, office and wellsite supervision.

Education:

BS in Geology, 1983, University of North Dakota
MS in Geology, 1985, Southern Illinois University