

JOHN G. HATTNER

Experience

M.B.A., Saint Mary's College of California, 1989; M.S., Geological Oceanography, Florida State University, 1980; B.S., Geology, University of Miami, Florida, 1976. Member: Dallas Geological Society, Houston Geological Society, American Association of Petroleum Geologists, Rocky Mountain Association of Geologists, Dallas Geophysical Society, and Society of Exploration Geophysicists. Certified Petroleum Geologist. Certified Petroleum Geophysicist.

1991 - Senior Geologist/Geophysicist and Vice President, Netherland, Sewell & Associates, Inc., Dallas, Texas. Work includes performing and supervising geological, geophysical, and petrophysical studies of domestic and international oil and gas fields, working with reservoir engineers to complete integrated geological, geophysical, and engineering interpretations of complex structures, interpreting 2-D and 3-D seismic data, and performing depth conversions.

Significant CBM projects over the last 10 years have included multiple domestic projects in the Black Warrior, San Juan, Raton, Uinta, and Powder River Basins; and international work in Switzerland, Czech Republic, Israel, China, and Australia. Australian evaluations involve projects in the Gippsland, Gunnedah, and Bowen basins.

Recent major domestic projects include: mapping and reserves determination of Mississippi Canyon 109; co-leader of a multidisciplinary equity team for third-party resolution of the Ursa Equity, deepwater Gulf of Mexico, on behalf of four major oil companies; mapping of large 3-D seismic survey integrating over 50 wells in the Western Gulf of Mexico for reserve determination; and evaluated reserves of multiple deepwater shaly sand fields for a major operator.

Recent major international projects include: coordinated six-month geological, geophysical, and petrophysical reserves study of 38 fields, offshore Mexico, for Pemex Exploration and Production (Pemex); coordinated one-year geological, geophysical, and petrophysical reserves study of 51 major onshore fields for Pemex; coordinated geological reserves evaluation of 11 major Hungarian fields, performed geological reserves study of 2 Hungarian fields for possible power plant reserve base; evaluation of the southern Austral Basin, including Tierra del Fuego, for the Argentina Divestiture Program involving field and exploration acreage mapping and evaluation; geological, petrophysical, and geophysical interpretation of three fields for a Nigerian LNG project; coordinate regular annual evaluations of 17 offshore Cameroon fields to determine in-place reserves including updating, mapping, and determining reserves for all workovers, new developments, and discoveries; coordinated three-month geological reserves study of 33 Bolivian gas fields; mapped 15 Egyptian fields for volumetric reserves and conducted exploration potential evaluation of the Western Desert of Egypt; conducted probabilistic reserves evaluation of 1.6 million-acre exploration block offshore Vietnam and mapped and assigned reserves for two discoveries on the concession; conducted probabilistic geological and geophysical reserves evaluation of a one million-acre block in Southern Chile; reviewed, evaluated, assigned risk, and ranked the exploration opportunity portfolio of Pemex as a member of an exploration committee.

1990 - 1991 Geologist/Geophysicist, Chevron Overseas Petroleum, San Ramon, California. Work included synthesis of exploration opportunities in Libya including regional review of available acreage and seismic, well, gravity, and magnetic data analysis for mapping to establish farm-in opportunities. Mapped Kudu gas field and nearby acreage for First Namibia license application and prepared the license application, which was awarded, and submitted the report to government for reference. Attended Seismic Stratigraphy and Basin Analysis Schools.

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- 1989 - 1990 Senior Geophysicist, Amoseas Indonesia, Jakarta, Indonesia. Analysis of seismic data in the Natuna Sea area to delineate and determine the best prospects for drilling. Initial work involved regional data synthesis, prospect mapping, and well proposal recommendations. Additional work included farmout reviews and recommendations.
- 1987 - 1989 Geologist/Geophysicist, Chevron Overseas Petroleum, San Ramon, California. Evaluated seismic data for Argentine 2nd Round Lease Sale in the Chaco Basin which resulted in the acquisition of new acreage. Interpreted geophysical data incorporating available well data to determine drillable prospects, leading to the drilling of two wells in the Sudan. Supervised reprocessing of seismic data and selected acquisition parameters and locations for the 1989 Sudan seismic survey. Attended Chevron Gravity and Magnetics, Geophysical Field Operations, and Extended Three-Week Stratigraphic Schools.
- 1982 - 1987 Development Geophysicist, Chevron Petroleum U.K., London, U.K. Processed the Ninian and Murchison 3-D surveys. Performed exploration acreage seismic interpretation and the development interpretation of Ninian 2-D and 3-D data. Member of Ninian Final Redetermination Group and Geophysical and Geological Model sub-committees, with responsibility for leading geophysical mapping project. Directed time, depth, and velocity map digitizing, processing, and conversion efforts. As Ninian field production maximization team geophysicist, performed seismic reinterpretation to define the field structural model to be integrated with stratigraphic studies for field development optimization. Served as a consultant to the U.K. partners in Statfjord equity, performing geophysical interpretation of geologic modeling and computer mapping procedures. Modelled and conducted several vertical seismic profiles (VSP's) including walkaway and offset VSP's and interpreted these VSP's to aid seismic interpretation in both the North and Celtic Seas. Attended Chevron Advanced Geophysical Processing and Extended Three-Week Structure Schools.
- 1980 - 1982 Geologist/Geophysicist, Chevron U.S.A. Inc., Lafayette, Louisiana. Interpreted seismic data, including the first 3-D interpretation for Chevron using interactive systems. Performed development mapping using integrated geophysical, geological, and well log data. Involved in wellsite geology, field mapping, and well proposals as a production geologist. Attended Chevron Well Logging, Geophysical Processing, and Acquisition Schools.

Publications

Eldridge, K.L.; Stipp, J.J.; Hattner, J.G.; and McDougal, E., 1975, "University of Miami Radiocarbon Dates IV," RADIOCARBON, Volume 16, p. 402-408.

Eldridge, K.L.; Stipp, J.J.; and Hattner, J.G., 1975, "University of Miami Radiocarbon Dates V," RADIOCARBON, Volume 18, p. 116-124.

Hattner, J.G. and Wise, S.W., Jr., 1979, "Calcareous Nannofossils from the Type Section of the Peedee Formation (Cretaceous) and Neighboring Localities in South Carolina," Southeastern Section Geologic Society of America, Abstracts with Program, Volume 11, Number 4, p. 182.

Hattner, J.G. and Wise, S.W., Jr., 1980, "Upper Cretaceous Calcareous Nannofossil Biostratigraphy of South Carolina," South Carolina Geology, Volume 24, Number 2, p. 40-117.

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Hattner, J.G.; Wind, F.H.; and Wise, S.W., Jr., 1980, "The Santonian-Campanian Boundary: Comparison of Nearshore - Offshore Calcareous Nannofossil Assemblages," 26th International Geological Congress (Paris), Micropaleontologie, Volume 3, p. 9-26.

Hattner, J.G., 1981, "Deep Sea Drilling Project, Leg 65 Neogene Nannofossil Biostratigraphy of the Gulf of California," Initial Reports of the Deep Sea Drilling Project, Volume 65: Washington, D.C., U.S. Government Printing Office.

Kaharooddin, F.A., et al, 1978, "ARA ISLAS Orcadas 11/76, Core Descriptions," Antarctic Research Journal.

References

Erik Finnstrøm

Norsk Hydro a.s., Oslo, Norway

Jerry Kopel

Chevron Overseas Petroleum Inc., San Ramon, California

Dave Lewis

Chevron United Kingdom, London

Dr. Nate Peterson

Retired from Chevron United Kingdom, London