JOHN L. RIETMAN P.G.
Marine Geologist

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SUMMARY OF QUALIFICATIONS

Founder of Geo-Marine Technology, established in 1997.

Professional Geoscientist licensed in the State of Texas – License # 673 (Geology) and American Institute of Professional Geologists (AIPG) Certified Professional Geologist # 10850

Proficient in offshore geologic hazard investigations, marine construction surveys, hydrographic surveys, marine geology, and oceanographic investigations. Interpreted and reported on over 1,300 lease block and construction hazard surveys (pipeline and cable route) in the Gulf of Mexico, Caribbean, Pacific, Atlantic, and Arctic oceans

Twenty-eight years hands-on experience in project management and data quality control both onshore and offshore. Extensive equipment operation/design/repair experience

Author of a suite of hydrographic, seismic, and marine geology interpretation programs

Broad marine geographic experience ranging from shoreline to abyssal and the arctic to the equatorial tropics.

EXPERIENCE

8/97-Present Geo-Marine Technology
Missoula, Montana

Position:
Founder/Certified Professional Geologist (TX and AIPG)

Geo-Marine Technology was licensed as a California business in August 1997 (license # 21671) and in Missoula Montana in 2006 (BL20060763). The company provides environmental, geological, engineering and hazard analysis services to the government, oil industry, and seismic industry. Services include quality control, and analysis of various types of oceanographic, acoustic, and seismic data. As the owner and Marine Geologist for Geo-Marine Technology, John Rietman specializes in high-resolution geophysics, shallow penetration acoustic systems, sonar technology, and hydrographic surveying. His assignments have taken him from the Beaufort and Chukchi seas to the Caribbean and from the West African shelf to the Gulf of Thailand. He has authored over 1,300 reports for construction, hazard, and marine surveys, and has presented papers in Trinidad relating to Offshore surveying and geologic phenomena.

6/89-8/97 Racal Geophysics/NCS International
Houston, TX / Ventura, CA

Position:
Marine Geologist

Duties: Writing technical proposals, organizing project logistics, survey data acquisition and quality control, data interpretation and report writing for a large variety of offshore construction and geologic hazard surveys. These surveys were conducted on a worldwide basis. NOTABLE CONTRIBUTIONS: Trained several offshore survey crews in hazard survey data collection. Wrote numerous computer programs to aid in interpretation and data reduction for hazard surveys-data reduction included complete mapping in AutoCAD. Supervisor for a complex, multi-vessel, 3-D seismic survey in Dubai. Client Rep for a major pipeline installation survey, offshore and onshore Thailand.

EXPERIENCE con't

5/88-6/89 CONSULTING GEOLOGIST/GEOPHYSICIST
Escondido, CA

Project Management for a land based geophysical survey, marine side scan sonar mosaic construction and report writing, high-resolution seismic data acquisition and interpretation for a coastal engineering project, and collecting seismic and sonar data in the Chukchi Sea.

9/87-5/88 TERRA GEOTECHNICAL — Position:
Escondido, CA — Senior Geologist/Chief Geophysicist

Project manager and chief scientist for land-based and shallow marine investigations.

4/86-9/87 CONSULTING GEOSCIENTIST
San Diego, CA

Contract supervising geologist for several marine hazard investigations and land-based geophysical investigations

6/84-4/86 INTERSEA RESEARCH CORP. — Position:
San Diego, CA — Senior Geophysicist/Chief Geologist

4/82-5/84 RACAL GEOPHYSICS INC. — Position:
Houston, TX ; Bryan, Texas — Senior Geophysicist/Marine Geologist

12/80-3/82 CGG — Position:
Denver CO — Processing Geophysicist / Seismic Party Mgr.

8/79-12/80 U.S. DEPARTMENT OF ENERGY — Position:
Savannah River Labs. — Field Geologist

EDUCATION

1/93 QC TOOLS/ADVANCE GEOPHYSICAL
Two-week course using the CENSUS 3-D Binning program, and the PROMAX Seismic Processing system.

9/82-Present
CONTINUING EDUCATION (Various)
Course work in Salt Tectonic Processes, Turbidite Systems, Shelf and Shoreline Sands, Well Log Analysis, Deltaic Processes, AutoCad, Basic Programming.

9/74-3/79 UNIVERSITY OF MONTANA — BS GEOLOGY
Missoula, MT

9/73-5/74 INDIANA STATE UNIVERSITY — PHYSICS major
Terre Haute IN
Recipient of an honors scholarship in Physics.

PROFESSIONAL AFFILIATIONS

Licensed Professional Geologist - Texas Board of Professional Geoscientists License # 673
Certified Professional Geologist – American Institute of Professional Geologists License #10850
Member American Association of Petroleum Geologists since 1982
Marine Technical Society Member

EQUIPMENT AND TECHNICAL

The following lists geological/geophysical equipment systems that Mr. Rietman has hands-on experience in operating/maintaining/troubleshooting and repairing:

GEOPHYSICAL/OCEANOGRAPHIC/HYDROGRAPHIC:
Licensed with Kingdom Suite (SMT), SonarWeb/SonarWiz (Chesapeake Technology). Field systems include: Side scan sonar, Scanning Sonar, Subbottom profilers, Magnetometers, Gradiometers, Echosounders, Gravity Meters, Analog and digital recorders, winches and cabling, Scintillometers, Salinometers, pH testing, radio-navigation systems, Differential GPS satellite positioning systems, Ultra-short baseline acoustics, Long baseline acoustics, current meters, tide gauges.

SEISMIC:
Digital recording systems (Various), Multi-channel seismic streamers, Depth birds, Seismic sources (Airgun arrays, water guns, sparkers, boomers, mini-sleeve exploders, compressors, generators, explosives).

COMPUTER:
IBM and compatibles, RISC and Silicon Graphics platforms, plotters, digitizers, communications interfaces, etc. Software includes a wide variety of programs in DOS, Windows and UNIX operating systems

PROGRAMMING:
Field experience writing numerous utility programs. Programs include side scan sonar and magnetometer mapping programs, DXF utilities for use with AutoCAD, a bathymetric data reduction program, and numerous file I/O/String processing routines for use in bathymetric processing, SEG-Y file editing/manipulation, and side scan sonar data processing.

GEOGRAPHIC EXPERIENCE:

These are regions where Mr. Rietman has direct experience evaluating the marine geology:

Gulf of Thailand and the southeast coast of Thailand, Malaysia and Singapore, South China Sea, Red Sea, Persian Gulf, Offshore Cameroon, Gambia and Senegal, Southern Caribbean Basin (Aruba), Columbus Basin, Eastern Offshore Trinidad, Gulf of Paria (Trinidad/Venezuela), Trinidad North Coast Marine Area, Barbados Accretionary Prism, Santos Basin (Brazil), Chukchi and Beaufort seas, Cook Inlet, Offshore Baja California Mexico, Offshore and Onshore California USA, Gulf of Mexico and southern Florida Shelf.