



JOHN L. RIETMAN PG, CPG

Geo-Marine Technology President

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SUMMARY OF QUALIFICATIONS

- Founder and President of Geo-Marine Technology, Inc. established in 1997
- Professional Geoscientist licensed in the State of Texas-Lic#673 (PG), state of Alaska – Lic#699 (PG) and American Institute of Professional Geologists (AIPG)-Lic#10850 (CPG)
- Proficient in offshore geologic hazard investigations, marine construction surveys, hydrographic surveys, marine geology, and oceanographic investigations.
- Interpreted and reported on over 1,370 lease block and construction hazard surveys (pipeline and cable route) in the Gulf of Mexico, Caribbean, Pacific, Atlantic, and Arctic oceans as well as numerous inland lake and river surveys.
- Thirty three 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.
- Litigation experience involving offshore mobile rigs/pipelines in the Gulf of Mexico (expert witness and professional consultant)

EXPERIENCE

8/97-Present GEO-MARINE TECHNOLOGY INC.
Missoula, Montana

Position: **President**
Licensed and Certified Professional Geologist

Geo-Marine Technology is a team of professional scientists that specializes in pre-survey research and reporting, ship-board survey support, and post-survey analysis and interpretation of geophysical and geotechnical data for the offshore energy and telecommunications industries. John Rietman specializes in high-resolution geophysics, shallow penetration acoustic systems, sonar technology, hydrographic surveying and 2D/3D seismic interpretation. 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 1,350 reports for telecommunication, construction, hazard, and marine surveys.

6/89-8/97 RACAL GEOPHYSICS/NCS INTERNATIONAL Position: **Marine Geologist**
Houston, TX / Ventura, CA

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 off Dubai and Abu Dhabi. 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, high-resolution seismic data acquisition and interpretation for a coastal engineering projects, collecting and interpreting seismic and sonar data in the Chukchi Sea, ice gouge studies in the arctic ocean.

9/87-5/88 TERRA GEOTECHNICAL Position: [Senior Geologist/Chief Geophysicist](#)
Escondido, CA

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

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

Supervising geologist for marine hazard investigations and land-based geophysical investigations.

6/84-4/86 INTERSEA RESEARCH CORP. Position: [Senior Geologist/Chief Geophysicist](#)
San Diego, CA

4/82-5/84 RACAL GEOPHYSICS INC. Position: [Senior Geologist/Chief Geophysicist](#)
Houston, TX / Bryan, Texas

12/80-3/82 CGG Position: [Processing Geophysicist/ Seismic Party Mgr.](#)
Denver CO

8/79-12/80 U.S. DEPARTMENT OF ENERGY Position: [Field Geologist](#)
Savannah River Labs

EDUCATION

01/93 QC TOOLS/ADVANCE GEOPHYSICAL
Two-week course using the CENSUS 3-D Binning Program, and the PROMAX Seismic Processing System

09/82-Present
CONTINUING EDUCATION (Various)
Course work in [Salt Tectonic Processes](#), [Turbidite Systems](#), [Shelf and Shoreline Sands](#), [Well Log Analysis](#), [Deltaic Processes](#), [AutoCAD](#), [Basic Programming](#).

09/74-03/79 UNIVERSITY OF MONTANA BS GEOLOGY
Missoula, MT

09/73-05/74 INDIANA STATE UNIVERSITY PHYSICS
Terre Haute IN

CERTIFICATIONS

2012 OPITO BOSIET Certified

PROFESSIONAL AFFILIATIONS

Licensed Professional Geologist - Texas TBPG License # 673
Certified Professional Geologist - American Institute of Professional Geologists #10850
Professional Geologist – Alaska License #699
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 repairing, and interpreting data:

GEOPHYSICAL/OCEANOGRAPHIC/HYDROGRAPHIC:

Licensed with Kingdom Suite (SMT), SonarWeb and 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, radionavigation systems, Differential GPS satellite positioning systems, Ultra-short baseline (USBL) and Long baseline (LBL) acoustics, current meters, tide gauges, sediment sampling/coring, CPT.

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). Processing and field QC with Radex Pro processing Software; past experience with Pro Max and census (3D binning).

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, AutoCAD, GIS, various mapping and graphics programs, BASIC and VB programming.

PROGRAMMING:

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

GEOGRAPHIC EXPERIENCE

These are a few of the regions where Mr. Rietman has direct experience evaluating the marine geology, oceanography and physical processes:

Southeast Asia: Gulf of Thailand and the southeast coast of Thailand, Malaysia, Singapore, South China Sea

Middle East: Red Sea, Persian Gulf

Mediterranean: Cyprus, Egypt, Israel

Africa: Cameroon, Gambia, Senegal

Caribbean: Aruba, Curacao, Trinidad/Tobago, Barbados, Colombia, Panama, Venezuela, Haiti, Virgin Islands, San Andres

South and Central America: Ecuador, Peru, Brazil, Colombia, Argentina, Panama, Nicaragua, El Salvador

Arctic: Chukchi and Beaufort seas, Greenland

USA: Cook Inlet, Gulf of Alaska, Offshore and Onshore California, Oregon, Washington, Gulf of Mexico, Florida, Delaware, New Jersey, Michigan, Montana, Lake Michigan, Lake Huron, numerous rivers, lakes, reservoirs, and bays

Pacific Ocean: North Pacific Basin, Shikoku Basin, Philippine Sea, Japan Trench, Emperor Seamount Chain, Nankai Trough, Izu-Bonin Volcanic Arc, Kyushu-Palau Ridge, Baja California (Mexico), Japan, Eastern Pacific Abyss

North Sea: Norway