

- ◆ Society of Exploration Geophysicists
- ◆ Society of Petroleum Engineers, Alaska Section Vice-Chairman 1999-2001, Chairman 2001-2002, SPEI Board of Directors and Western North America Regional Director, 2012-2015
- ◆ Geophysical Society of Alaska, President 1998-90 and 2005-2006

Mr. Walsh has over 40 years of experience in the Alaska petroleum exploration and production industry, with a diversified background ranging from basin analysis and lease sale assessment to production well planning and reservoir production modeling. Tom has been involved in the exploration, appraisal, or development phase of nearly every major field in North Alaska, including: Prudhoe Bay, Kuparuk, Endicott, Pt. McIntyre, Milne Point, and Niakuk. He has worked many of the sedimentary basins throughout the state, including: North Slope; Cook Inlet; Chukchi and Beaufort Seas; Nenana Basin; Yukon Flats; Kandik; North Aleutian Basin; Alaska Peninsula; and Copper River Basin. Tom's current interests focus on project management, and he served as Principal Investigator on a recently completed study of the resource potential of gas hydrates associated with the Barrow Gas Fields on the North Slope of Alaska. Tom was Principal in Charge of a PRA team managing the North Slope Borough gas development well drilling program. Tom is also engaged as project manager for two Cook Inlet Natural Gas evaluation and development projects, and has been extensively involved in the planning, design and subsurface development of the Cook Inlet Natural Gas Storage Project (CINGSA). Tom is managing partner of Petrotechnical Resources of Alaska, LLC, and has technical and administrative oversight responsibility for 80+ professional oil and gas consultants.

PROFESSIONAL EXPERIENCE

7/97 TO PRESENT – OIL AND GAS CONSULTANT, PETROTECHNICAL RESOURCES ALASKA

Principal-In-Charge of PRA team contracted to design and execute drilling of gas storage wells in the Cannery Loop Unit, Kenai, Alaska. Manage a multidisciplinary team responsible for technical aspects of well design; procurement; HSE; subsurface permitting and compliance; and execution of drilling, completion and production startup for this five well program.

Principal Investigator on a study of gas hydrate resource potential associated with the Barrow Gas Fields completed in December 2009. Led a diverse team of geoscientists and engineers in this integrated study, which broke new ground in the field of hydrate resource assessment. Completed a study of basin architecture and seismic stratigraphy in the Yukon Flats Basin for the U.S.G.S. Performing prospect analysis for independent clients in interior Alaska, and on the North Slope. Member of a multidisciplinary team managing the development of the Gas Storage Area of the Kuparuk River Field. Assessed the petroleum potential of a frontier interior Alaskan basin and designed and oversaw execution of a seismic acquisition program.

Assisting a regional Alaska native corporation in marketing their lands in several interior Alaskan basins. Designed a lease sale/exploration licensing plan for the Alaska Mental Health Trust Lands Office for their Cook Inlet Basin properties. Supervised construction of a 3D reservoir model for the Schrader Bluff Fm. in the Milne Point Field. Providing consulting support for independent oil and gas producers entering the North Slope market.

6/94 to 7/97 - CONSULTANT, ALASKA PETROTECHNICAL SERVICES INC.

Provided consulting reservoir geophysicist services to the Milne Point and Endicott Assets, BP Exploration (Alaska) Inc. Worked in a multidisciplinary team to appraise and develop new reserves in the Cascade accumulation.

9/91 to 4/94 - SENIOR PRODUCTION GEOPHYSICIST, BP EXPLORATION (ALASKA) INC.

Member of a multi-disciplinary team making development and planning decisions to optimize development of the Kuparuk River Oil Field. Built an integrated 3D reservoir model for use in reservoir development

8/88 TO 9/91 - SENIOR EXPLORATION GEOPHYSICIST, BP EXPLORATION (ALASKA) INC.

Conducted exploration prospect generation, partner negotiations, data acquisition and database management in the Chukchi Sea and Pt. McIntyre areas of Alaska's north slope oil province.

12/84 TO 8/88 - DEVELOPMENT GEOPHYSICIST, STANDARD ALASKA PRODUCTION CO.

Coordinated seismic data acquisition, processing, and data management for \$8mm Northern Tier 3D seismic survey. Seismic interpretation and development well planning responsibilities for NW Fault Block, Prudhoe Bay Oil Field.

4/81 to 12/84 - GEOPHYSICIST, SOHIO PETROLEUM CO.

Conducted mapping study and prospect generation of the Kuparuk Fm. hydrocarbon reservoir in the western periphery of the Prudhoe Bay Oil Field.

7/80 to 4/81 - SENIOR TECHNICAL ASSISTANT, SOHIO PETROLEUM CO.

Provided mapping support for Geophysical Mapping Task Force, Prudhoe Bay final equity determination

TECHNICAL and ANALYTICAL SKILLS

- ◆ Extensive experience with seismic interpretation tools
- ◆ Strong well log interpretation skills
- ◆ Ability to identify, communicate and quantify critical reservoir parameters
- ◆ Experience with a variety of reservoir description tools (Geomatic IRMS, SGM, Earth Vision)
- ◆ Strong multi-platform computer skills (Unix, Mac, Windows)
- ◆ Strong written and oral communication skills

INDUSTRY and COMMUNITY LEADERSHIP

- ◆ The Alaska Support Industry Alliance, Director 2006-2011, Executive Board Secretary, 2009-2011
- ◆ Petroleum Club of Anchorage, Director 2006-2007, Vice President, 2007-2008, President 2008-2009

SYNERGISTIC ACTIVITIES

Worked with Anchorage Utilities and DNR on predicting gas needs and potential solutions.