

**M.S. Geophysics**, University of Utah, Salt Lake City, Utah, April 1984

*Thesis : A Model Study of a Thin Plate in Free-Space for the EM37 Transient Electromagnetic System.*

**B.A. Geology** (with distinction), University of Colorado, Boulder, Colorado, December 1977, Engineering option

**PEGGIE R. GALLAGHER**

*Geophysicist*

- ◆ Society of Exploration Geophysicists

## **PROFESSIONAL EXPERIENCE**

### **2005- Present Geophysicist, Petrotechnical Resources of Alaska (PRA)**

The primary focus of my work at PRA, has been assisting with seismic data management on many oil and gas-related projects, both in-house and for clients; this includes data management support tasks, seismic workstation support for 2D and 3D interpretation projects, seismic processing oversight, gathering and organizing survey data for clients, and providing data to the state of Alaska. I also worked on contract with BP, ConocoPhillips, and the Minerals Management Service (MMS, now BOEM), with seismic data, loading, cataloging, organizing, and archiving projects. At PRA, a principle client has been Doyon, Ltd., one of the thirteen Alaska Native Regional Corporations; I was involved during the acquisition and processing of numerous 2D and 3D seismic projects in the interior of Alaska. Since about 2006, I have been the primary seismic data management person for Cook Inlet Region, Inc. (CIRI), another Alaska Native Corporation. CIRI receives complete 2D and 3D seismic datasets acquired on CIRI lands from various companies. I also have assisted CIRI with seismic sales, and provided CIRI seismic for clients to view and evaluate.

### **July 1997 - May 1999 GeoQuest Data Manager**

Contract with **Esso Petroleum Ltd.**, Leatherhead, Surrey, England, through my own company, Gallagher Geophysics Ltd.

Responsible for maintaining GeoQuest seismic workstation data, primarily in IESX format, including 150 GeoQuest projects covering the North Sea and other offshore areas around Britain. Data management tasks included project creation, project and disk maintenance, copying, loading, and IESX problem solving..

### **January 1992 - February 1996 GeoQuest Data Manager**

Direct term contract with **BP Exploration**, Anchorage, Alaska.

Data manager for GeoQuest's IES and IESX project data for three production teams, though primarily for Prudhoe Bay production team. Areas of responsibility included project and disk management, data loading of various types, quality control of data, backups, facilitation of software upgrades and hardware maintenance with IT group. Developed small UNIX programs for data manipulation.

### **April 1985 - May 1991 Seismic Processor**

**Exxon Exploration**, Data Processing Center, Houston, Texas,

**Team Leader for western U.S.** 4/89 to 5/91

Responsibilities included providing technical and organizational leadership, quality control, development of processing standards and streams, training in new technology, communication with clients, and work planning. Areas included the Permian Basin, mid-continent and western U.S.

### **Seismic Land Processor**

4/85 to 5/91

Processing of land 2D, 3D, and swath data from the western U.S., including the Columbia Plateau, Permian Basin, Oklahoma, Utah, and Wyoming

## **1984 - 1985 CONSULTING GEOPHYSICIST: MINERAL EXPLORATION**

**Great Basin GeoServices**, Salt Lake City, Utah, and **Lamontagne Geophysics**, 12/84 - 2/85

Toronto, Canada. Participated in an electromagnetic sounding survey (UTEM) in Oregon.

**Bear Creek Mining Co., subsidiary of Kennecott Exploration**, Anchorage, Alaska, 6/84 - 8/84

Supervised and carried out electromagnetic surveys on mineral properties in Alaska.

Responsible for geophysical interpretation and reports for each property.

**USGS Water Resources Dept.**, Salt Lake City, Utah, Spring and Fall 1984.

Computer modeling of gravity data for the Tule Valley, Utah. Final interpretation and report to supervisor.

## **1981 - 1984 GRADUATE STUDENT**

**Research Assistant**, 6/82 to 12/83

Thesis research in geophysics. Computer model study of a transient electromagnetic system.

## **1978 - 1980 ENGINEERING GEOLOGIST**

**Meiji Resource Consultants**, Layton, Utah 8/79 - 12/80

Various geology projects for different government agencies (BLM, DOE),

**Chen and Assoc., Inc.**, Denver, Colorado, 9/78 - 8/79

Geotechnical hazard evaluation, soil and rock foundation evaluations. Field work and report writing.

**Crystal Springs Exploration Syndicate**, Vancouver, Canada, 3/78 - 5/78

Three month contract in Liberia, Africa, evaluating a gold placer.

PUBLICATIONS:

Gallagher, P.R., and Mutz, K.M., 1980, Kaiparowits Coal Unsuitability Study, Garfield and Kane Counties, Utah: Bureau of Land Management, Cedar City, Utah.

Gallagher, P.R., Ward, S.H., and Hohmann, G., 1985, A Model Study of a Thin Plate in Free-Space for the EM37 Transient Electromagnetic System: Geophysics, v.50, no.6.