

**RESUME OF KEY PROJECT PERSONNEL – Program Manager**

1. **TITLE:** Program Manager

2. **NAME:** James Dean Schofield

3. **EDUCATION/TRAINING/QUALIFICATIONS:**

- MS, Geophysical Engineering, gravity and magnetic thesis, Montana College of Mineral Science and Technology, 1980
- BS, Geophysical Engineering, Montana College of Mineral Science and Technology, 1978
- BS, Mathematics, Montana College of Mineral Science and Technology, 1978
- AS, Chemistry, Montana College of Mineral Science and Technology, 1978
- Certificate, Offshore Survival Orientation, Texas A&M, 2001
- Lead geophysicist directing non-seismic geophysics for Amoco Production Company Denver Region, then E-LA-FE Region
- Oversaw numerous MT and TEM surveys in wide range of environments
- Onboard Principle Scientist for marine magnetotelluric cruise in North Sea
- United States Patent #5,043,667: Method of Magnetotelluric Exploration Using Areal Arrays

4. **PRESENT POSITION IN OFFERER'S COMPANY:** Senior Geophysicist

5. **RELEVANT EXPERIENCE:**

Senior Geophysicist, Zonge Geosciences, Inc., Salinas, California, water resources

Modeled geologic and hydrologic effects seen in TEM data.

Chief Geophysicist, P.E.A.R.L., Yakima, Washington, hydrocarbon exploration

Modeled near-surface resistivity based on EM37 data for static corrections at MT sites.

Senior Staff Geophysicist, Amoco Production Co., Camp Roberts, California, UXO detection

Designed and directed ground magnetometer and EM61 survey of the Amoco exploration concession at Camp Roberts to certify the seismic lines were free of unexploded ordnance. EM 61 used to confirm magnetic anomalies. Approved final data processing of magnetic and EM data and gave management clearance to send in seismic crews.

Senior Geophysicist, Amoco Production Co., North Slope, Alaska, permafrost mapping

Performed noise analysis on TDEM permafrost data relative to exploration and engineering requirements. Using well logs, modeled thickness and depth to top of permafrost based on TDEM data independently, then interpreted TDEM with seismic data.

Senior Geophysicist, Amoco Production Co., Kennewick, Washington and Driggs, Idaho, conductivity mapping

Designed TDEM program using EM37 for mapping surface conductivity for MT statics and current channeling. After QC of data, interpreted TDEM and re-interpreted MT surveys.



6. EMPLOYMENT HISTORY:

- 2008- present Senior Geophysicist, Zonge Geosciences, Inc.
- 2006-2008 Data Analyst-Unconventional Reservoirs, TICORA Geosciences, Inc.
- 1994-2006 President and Chief Geophysicist, P.E.A.R.L.
- 1997-2005 Consulting Geophysicist, AOA Geophysics, Inc.
- 1979-1994 Senior Staff Geophysicist, Amoco Production Company

7. CITIZENSHIP: USA