



## MARK W. KNOLL

### Qualifications

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Geoscientist skilled in complex geographic, geologic, and engineering mapping and analysis relating to the production of oil, gas and uranium.

### Education

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- B.S., Earth Science with Minor in Mathematics, University of Wisconsin – River Falls, 1977

### Professional Certifications

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- OSHA 29 CFR 1910.120 (40-Hour Course)
- Annual 8-Hour Refresher

### Professional Memberships

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- Wyoming Geological Association (WGA)

### Professional Career

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Gene R. George & Associates, Inc. 2001-Current  
Geoscientist and GIS Technician

- Responsible for the geographic, geologic and engineering analysis of projects pertaining to the oil & gas industry.
- Proficient with the following software packages: Petra (geologic mapping & analysis), ArcView (geographic mapping & analysis) and AutoCAD Map 3D.
- Create maps using data taken from various internet mapping services and in-house data generation.
- Prepare base maps and plats for WOGCC hearings and for disposal well applications.
- Performed Phase I ESAs in accordance with ASTM standards on oil and gas related properties including the Glenrock Unit B in Converse County, Wyoming (82 active wells, 51 sites, over 100 P&A wells) and the Wold Oil Properties (23 properties including 173 wells) throughout Wyoming.

Power Resources, Inc. 1996-2001  
Geologic Technician

- Responsible for lending computer assistance to all phases of an ISL uranium operation.
- Maintained databases of exploration, injection and production holes drilled.
- Created exhibits and maps of all properties using AutoCAD software.
- Assist the Geology Department in the development and planning of drilling programs.
- Conduct all surveying related to mine operation.

Civil Engineering Professionals, Inc. (CEPI) 1990-1996  
Engineering Technician

- Responsible for the surveying and production of base mapping for civil engineering projects.
- Designed and drafted plan sheets for the construction of civil engineering projects using AutoCAD and Softdesk software.
- Projects consisted of corridor design for utility lines and roadways, athletic fields, parks, playgrounds and interpretive centers.

Forsgren Associates, P.A.

1988-1990

Engineering Technician

- Responsible for the production of base mapping for civil engineering projects.
- Design and draft plan sheets for the construction of civil engineering projects using AutoCAD and DCA engineering software.
- Instrumental in the preliminary and construction surveying related to civil engineering projects; most projects consisted of Abandoned Mine Land (AML) Recovery. Major AML projects included AML 16A - John Gunnel Pit (Phase I and Phase II) and AML 16E - A8 Pit & Spoils.
- Assisted with design and construction of small civil engineering projects within the State of Wyoming.

Olsten (Allen) Temporary Service

1985 – 1988

Engineering Technician

- Contracted to Amoco Production Company.
- Responsible for the drafting of mechanical engineering projects related to the oil & gas industry using CAD software.
- Primary project included the Bairoil, Wyoming CO<sub>2</sub> injection project in the Wertz and Lost Soldier Fields.
- Maintained production records for well fields in the central Wyoming area.

Exxon Minerals Company

1979 – 1985

Geologic Technician, Geologist

- Interpreted geophysical logs in the determination of roll front geology for open pit and underground uranium mining in Wyoming.
- Plotted boreholes and their ore intercept information on maps.
- Determined potential ore reserves from plotted information.
- Directed open pit mining of uranium ore and removal of secondary waste.
- Performed surveys pertaining to open pit advancement and staking of exploration boreholes.