

BS Earth Science, Montana State University, Bozeman, Montana (1977) Drilling  
Mud Technology, Milcbem Incorporated, Houston. Texas (1979)

**JAMES M. RAY**  
*Consulting Geologist*

- Registered Professional Geologist of Wyoming # 1951
- American Association of Petroleum Geologist
- Geological Society of America
- Wyoming Geological Association
- Montana Geological Society
- American Legion
- Veterans of foreign Wars
- Disabled American Veterans

#### **Technical and Analytical Skills**

- Wellsite Supervision of all Geological Activities
- Well cutting identification
- Formation correlations
- E-Log analysis and correlation

### **PROFESSIONAL EXPERIENCE**

#### **2000 to 2018 - Petrotechnical Resources of Alaska, Anchorage, Alaska**

*Consulting Geologist*, Prudhoe Bay and Kuparuk (North Slope), Alaska

#### **1999 to 2000 - Sunburst Consulting, Billings, Montana**

*Consulting Geologist*, Big Horn Basin, Wyoming.

#### **1997 to 1999 - Professional Business Services, Anchorage Alaska**

*Consulting Geologist*, Prudhoe Bay (North Slope) Alaska.

Drilled numerous extended reach horizontals for BPXA and ARCO, Alaska.

#### **1996 to 1997 - Sunburst Consulting, Billings, Montana**

*Consulting Geologist*. Montana, North Dakota, Wyoming, South Dakota. Numerous horizontal and straight hole projects.

#### **1980 to 1996 - Ramas Inc. / Terra Services Inc., Denver Colorado**

*Consulting Geologist*, Complete Wellsite Geological Responsibility on numerous overthrust, horizontal, and straight hole projects in Montana, Wyoming, Colorado, North Dakota and Utah.

Drilled the deepest overthrust well in Montana for Unocal in 1989.

#### **1979 to 1980 - Milcbem Inc. Houston, Texas**

*Mud Engineer*. Worked Rock Springs, Wyoming. Manager Powell, Wyoming District. Graduated top of class.

#### **1975 to 1979 - Monarch Logging Company, San Antonio, Texas**

*Mud Logging Party Chief*, Unit Manager for offshore logging unit in the Gulf of Mexico for 1 year.

Worked South Texas.

#### **1972 to 1975 - United States Forest Service, Region One (Rocky Mountains)**

*Private Contractor*. Bid and worked Forest Service Projects, including trail building, tree thinning and tree slashing. Top contractors in Region One for 2 years.

#### **1970 to 1972 - United States Army**

*Infantry*, Vietnam

#### **1969 to 1970 Van Dykes Oil Field Service, Roundup, Montana**

*Roustabout*, General Roustabout duties including building water injection plants.