

As a wellsite geologist I am familiar with operations in the field and have learned first hand what it takes to drill a successful well and some of the risks associated and how to best avoid them. Having worked in complex faulted clastic reservoirs of Prudhoe Bay and thinner more continuous carbonate formations of the Williston Basin, I have been exposed to a variety of geology and reservoir types, as well as modern directional drilling technology. I have strong computer skills and have used various logging and mapping programs to generate maps and cross sections based on log correlations of offset wells and seismic data to identify structural characteristics and potential quality of targeted reservoirs. I have excellent communication skills with proven success in working within a team environment. I have a good work ethic and push myself to continue learning and adapt when needed to ensure success of projects, and continued professional growth.

## **PROFESSIONAL EXPERIENCE**

### **05/2007 - Present Petrotechnical Resources Alaska Anchorage, AK**

Wellsite Geologist (Prudhoe Bay Alaska, BP exploration)

- ◆ Provided geologic support on location during build and lateral sections while drilling - working with directional drillers and drilling team to successfully complete drilling phase of wells.
- ◆ Interpreted and correlated logs of offset wells, real-time geophysical data and samples to determine structure of area drilled and identify reservoir characteristics.
- ◆ Communicated and prepared daily reports and logs updating the client with drilling operations ensuring any problems are solved and goals are achieved as drilling takes place.
- ◆ Completed a detailed well summary of drilling operations with structural and reservoir characteristics, perforation intervals, along with highlights or any problems encountered upon completion of drilling phase.

### **12/2004 - 05/2007 Tooke Rockies Dickinson, ND**

Wellsite Geologist (Williston Basin, Whiting Petroleum)

- ◆ Communicate with directional drillers to geo-steer wellbores in vertical, build sections and laterally through desired carbonate reservoir formation.
- ◆ Interpret offset logs, real-time drilling data and drilling samples to determine characteristics and stratigraphy of the rock being drilled and create logs recording borehole position and relevant data. (Wellsite Systems, Horizontal log and Mud log)
- ◆ Record gas in drilling fluid use gas chromatograph importing gas, ROP, gamma data into vertical and horizontal logs.
- ◆ Oversaw geophysical logging and drill stem tests on location to evaluate reservoir quality.
- ◆ Communicate with client (Whiting Petroleum) to ensure objectives are met at drilling location, and they are informed of geology encountered and drilling progress.

### **04/2003 - 10/2004 Conservation and Survey Division Lincoln, NE**

GIS Technician

- ◆ Process data and create online maps of soil surveys with accessible soils information. (ARC-GIS, MS FrontPage).

### **04/2002 - 09/2002 North Dakota Geologic Survey Bismarck, ND**

Geology Internship (05/2002 - 09/2002)

- ◆ Interpreted and correlated digitized geophysical well logs in database (log-sleuth).
- ◆ Produced cross sections and Isopach map of the Prairie Salt Formation in the Williston Basin (PETRA).

### **09/2000 - 04/2002 North Dakota State University Fargo, ND**

Research Assistant/Mineralogy (09/2000 - 04/2002)

- ◆ Organized and prepared rock samples for testing.
- ◆ Analyzed mineral composition of sample rocks using XRF and XRD analysis.
- ◆ Interpreted data and incorporated it into database. (PDF/Jade).
- ◆ Incorporated data into petrographic mineral plot diagrams (Iqpet).

TA for physical geology lab (09/2001 - 01/2002)

- ◆ Worked with students on geologic terms and processes.
- ◆ Aided in mineral/rock identification.

Research Assistant/Quaternary lab (06/2001 - 09/2001)

- ◆ Screened sediment and sorted coleopteran by species.
- ◆ Mounted specimens on slides.

Research Assistant/ Entomology (04/2001 - 06/2001)

- ◆ Collected specimens from the field using traps and other techniques.
- ◆ Identified, sorted, beetles, as part of a study to identify ecological habitats.

**3/2000 - 10/2001 Midwest Testing Laboratories Fargo, ND**

Laboratory Technician

- ◆ Field and compression/shear testing of concrete (ACI standards).
- ◆ Soil compaction proctors and gradations.
- ◆ Radiation safety training and operation of portable nuclear density gauges.
- ◆ Operation of coring equipment and assisted in operation of drill rig.

**1995 - 1999 United States Marine Corps. Camp Pendleton, CA**

NCO Engineer

- ◆ NCO Engineer Journeyman School (363 hrs.)
- ◆ OSHA Federal Hazmat Training Course
- ◆ Supervised a squad-sized unit of engineers and heavy equipment operators in the building of roads, bridges, and demolition exercises in support of the building of a US Highway in Alaska.
- ◆ Completed four-year term of service developing strong team and leadership skills.