

The Geological Survey Program, South Dakota Department of Environment and Natural Resources (DENR), has an opening for an **entry level Geologist**. The position will be based out of Vermillion, South Dakota. The starting wage is \$19.86 per hour. The official job posting, and instructions on applying for the job, can be found at <http://bop.sd.gov/workforus/>. Information contained in the job posting is also provided below.

Position Purpose:

- This position will perform work for DENR's Oil and Gas Initiative and will carry out projects that lead to the creation of databases, maps, cross sections, and reports containing geologic information related to the exploration and development of South Dakota's oil and gas resources. Work will include deep, thermogenic oil and gas resources as well as shallow, biogenic gas resources. Some specific duties will include the following.
 - Development and maintenance of a formation-top database for use in an ArcGIS environment that will include some or all of the following; name of geologic formation, unit, facies, etc.; location and depth of test hole or well; elevation of geologic formation, unit, facies, etc.
 - Construction of structure-contour and isopach maps for selected geologic units throughout South Dakota that have relevance to the potential for, or production of, oil and gas resources.
 - Maintenance and update of a database of down-hole geophysical logs.
 - Preparation of specialized maps, cross sections, and reports focusing on oil and gas producing areas, and on areas believed to hold promise for the exploration and development of oil and gas.
 - Preparation of information, databases, reports, and maps for dissemination via the internet.
- This position will eventually assume the responsibility of managing the Geological Survey Program's Core and Cuttings Repository. Duties related to the core and cuttings will include the following.
 - Maintaining a current inventory and related database of the core/cuttings.
 - Responding to requests for information about, or access to, the core/cuttings.
 - Development of information about the core/cuttings for dissemination to industry and consultants.
 - Assisting with the development and maintenance of a database related to the Homestake Core Archive. Duties may also include assisting with the management of the Homestake Core Archive which is located in Lead, South Dakota.

Knowledge, Skills, and Abilities:

- Candidates must have the ability to use basic computer applications such as Microsoft® Office.
- Candidates must have the ability to work independently as well as with teams.
- Candidates should be familiar with construction and interpretation of cross sections, structure-countour maps, isopach maps, and geologic maps.
- Experience using Geographic Information System software is preferred.
- Experience using/interpreting down-hole geophysical logs is preferred.
- Knowledge of South Dakota's surface and subsurface geology will be beneficial.
- Knowledge, training, or experience in petroleum engineering will be beneficial.

Comments:

- Candidates must have a Bachelor's degree in geology or a closely related field. A Master's degree is preferred.
- Some travel will be required, including overnight stays.
- Some physical labor may be required including the occasional lifting of up to 100 pounds.
- Field work in extreme hot and cold weather conditions may occasionally be required.
- Normal work hours are 8 AM to 5 PM, Monday through Friday. However, field work may require flexing of the work schedule to include longer work days but not to exceed 40 hours per work week.
- The successful applicant must be capable of obtaining a Commercial Driver's License, however, possession of such a license is not a prerequisite for hiring.

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