



STUDENT ACTIVATION



Natural Resources

Materials that occur in nature and can be used for energy or economic gain.

Mud Logger

Mud loggers gather rock samples from drill cuttings and prepare them for laboratory analysis to evaluate the specific rock formations being drilled. They create detailed well logs that are important in helping scientists and engineers explore, extract, and monitor **natural resources**.

MUD LOGGER ^{1,2}

Mud loggers work out in the field while wells are drilled to collect natural gas or oil. They monitor the well and collect and prepare samples for the geologists to determine the rock formations being drilled. They use their oral and written communication skills daily. They report any issues or observed dangers on site to the appropriate person, coordinate teamwork with coworkers, and describe and record samples following industry standards. They will also assist in monitoring gas levels, drilling mud, and drilling conditions and parameters. They can quickly and safely get samples from the job site to the laboratory. Cooperation and teamwork are important characteristics of mud loggers as they work with a variety of others and use excellent communication skills to translate data and report observed information.

IS MUD LOGGER A GOOD CAREER FOR ME?

Me	Mud Logger
I like being active and being outdoors. I enjoy camping and hiking.	Mud loggers are strong, active workers who spend much of their time in the field.
I enjoy being on teams and helping others learn things.	Mud loggers are collaborative professionals who work across teams.
I like communicating my thoughts in writing.	Mud loggers are excellent communicators who present their findings in well-written reports.
I am comfortable being the team member who makes decisions.	Mud loggers are confident decision makers.

Mud Logger

STUDENT ACTIVATION (CONTINUED)



How does this career help me?	How does this career help the world?
Balloons, footballs, dyes, skis, toothpaste—there are so many products that are made with petrochemicals which are derived from natural gas and oil. If you use any of these items, you benefit from the work of a mud logger. To mine the natural gas and oil needed to create petrochemical products, mud loggers must do their jobs first!	Mud loggers keep an eye on the drilling site and report issues to scientists and geologists. This allows for natural gas and oil to be extracted safely. These resources are then used to make thousands of products that are used around the world daily, as well as providing the energy we need for transportation and electricity.

What are some similar careers?
<p>Mud engineers evaluate, formulate, and calibrate the drilling mud mixtures to lubricate the drill bit.</p> <p>Completion superintendents ensure all hydraulic fracturing is completed according to carefully engineered plans and work with service rig supervisors to install equipment like tubing, downhole pumps, and wellheads.</p> <p>Drilling superintendents see that all workers are informed, organized, and communicating efficiently to ensure the well is being dug correctly.</p>

Here are ways to practice the skills to be a successful **mud logger**:

- Join a hiking or camping club and focus on creating strong relationships with members and collaborate to create great experiences for everyone. Also, use it to enjoy all weather conditions and improve your physical stamina.
- Sit next to someone new at lunch. Take time to get to know them and find commonalities between the two of you.
- Practice being a confident decision maker, just like a mud logger, during the next local election in your hometown. Spend time to think for yourself critically. Do your own research and avoid discussing candidates with anyone until you have carefully formed your own thoughts.



¹ <https://www.slb.com/resource-library/oilfield-review/defining-series/defining-mud-logging>

² <https://www.zippia.com/mud-logger-jobs/>