### OCCUPATIONAL PROFILE

# Earth Driller, Except Oil and Gas (47-5021.00)

## **At-a-Glance Statistics**



Sample<br/>Job TitlesBlast Hole Driller, Diamond Driller, Drill Operator, Driller, Hard Rock Drill Operator,<br/>Highwall Drill Operator, Rock Drill Operator, Underground Drill Operator, Water<br/>Well Driller, Well Driller

### **Key Tasks**

- Operate controls to stabilize machines and to position and align drills.
- Start, stop, and control drilling speed of machines and insertion of casings into holes.
- Regulate air pressure, rotary speed, and downward pressure, according to the type of rock or concrete being drilled.
- Select and attach drill bits and drill rods, adding more rods as hole depths increase, and changing drill bits as needed.
- Drive or guide truck-mounted equipment into position, level and stabilize rigs, and extend telescoping derricks.
- Operate machines to flush earth cuttings or to blow dust from holes.
- Monitor drilling operations, checking gauges and listening to equipment to assess drilling conditions and to determine the need to adjust drilling or alter equipment.
- Verify depths and alignments of boring positions.
- Perform routine maintenance and upgrade work on machines and equipment, such as replacing parts, building up drill bits, and lubricating machinery.
- Document geological formations encountered during work.
- Drive trucks, tractors, or truck-mounted drills to and from work sites.
- Assemble and position machines, augers, casing pipes, and other equipment, using hand and power tools.
- Record drilling progress and geological data.
- Create and lay out designs for drill and blast patterns.

## Education and Training





High school diploma or equivalent

Less than high Post-secondary school diploma certificate

73%



12%

### Median Wages



### **Top Industries**



Construction

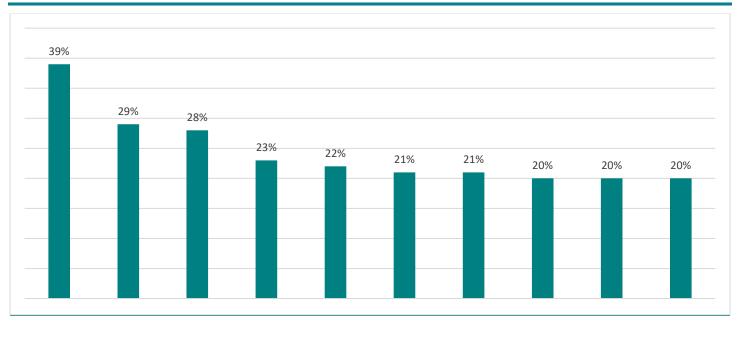
Mining, Quarrying, and Oil and Gas Extraction

# **Number Employed**



19,000 positions 3,900 job openings

### **Top Ten States for Occupational Percentage Growth**



WY CO CT FL MN CA SC TX ID AK