

# Oil and Gas Workers

SOC: 47-5011 • Career Profile Report

## ■ Key Facts

<b>\$52,610</b> Median Salary	<b>115,900</b> Employment	<b>+1.0%</b> Growth Rate
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## ■ Requirements & Salary Range

**Education:** No formal educational credential

## ■ Automation Risk Assessment

**Medium Risk** - 35.0% probability of being automated in the next 10-20 years.  
This job has some routine elements but still requires human judgment and interaction.

## ■ Work-Life Balance

**3.6/10** - Challenging work-life balance

## ■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	9.4/10	Investigative	5.8/10
Artistic	4.0/10	Social	5.0/10
Enterprising	5.0/10	Conventional	6.0/10

## ■ Top Skills Required

Ability to work at heights, Communication skills, Detail oriented, Interpersonal skills, Mechanical skills, Physical stamina and strength, Problem-solving skills

### ✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

### ■ Challenges

- Burnout Risk
- Rapid Technological Change

## ■ What They Do

Oil and Gas Workers typically perform the following tasks:

- Inspect derricks, or order their inspection, prior to being raised or lowered.
- Inspect derricks for flaws, and clean and oil derricks to maintain proper working conditions.
- Control the viscosity and weight of the drilling fluid.
- Repair pumps, mud tanks, and related equipment.
- Set and bolt crown blocks to posts at tops of derricks.
- Listen to mud pumps and check regularly for vibration and other problems to ensure that rig pumps and drilling mud systems are working properly.
- Start pumps that circulate mud through drill pipes and boreholes to cool drill bits and flush out drill cuttings.
- Position and align derrick elements, using harnesses and platform climbing devices.
- Supervise crew members, and provide assistance in training them.
- Guide lengths of pipe into and out of elevators.
- Prepare mud reports, and instruct crews about the handling of any chemical additives.
- Clamp holding fixtures on ends of hoisting cables.
- Weigh clay, and mix with water and chemicals to make drilling mud, using portable mixers.
- String cables through pulleys and blocks.
- Steady pipes during connection to or disconnection from drill or casing strings.

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Source: <https://www.bls.gov/ooh/construction-and-extraction/oil-and-gas-workers.htm>