



# OSHA #5810 OIL & GAS INDUSTRY TRAINING

Hazards Recognition and Standards for On-Shore Oil  
and Gas Exploration and Production

**NEW OSHA  
TRAINING INSTITUTE  
COURSE**

**HAZARDS  
RECOGNITION AND  
STANDARDS FOR  
ON-SHORE OIL AND  
GAS EXPLORATION  
AND PRODUCTION**

**COURSE IS  
INTENDED FOR  
EMPLOYERS AND  
EMPLOYEES  
ENGAGED IN ALL  
PHASES OF U.S. ON-  
SHORE OIL AND GAS  
EXPLORATION AND  
PRODUCTION**

**WESTERN OSHA  
EDUCATION CENTER**

Arizona State University  
651 East University Drive  
Tempe, AZ 85212

<http://osha.asu.edu>

an OSHA Training Institute  
Education Center

## TOPICS COVERED

- OSHA Standards, History, and Organization
- Inspections, Citations, and Penalties
- Multi-Employer Workplaces
- What is Well Drilling?
- Drilling Rig Components
- Site Preparation for Drilling Operations
- Setting Up The Drilling Rig
- Pre-Startup Safety
- General Services
- THE ABCs Hydrogen sulfide
- Overview of the PSM Rule
- Bloodborne Pathogens
- Hygiene
- Walking and Working Surfaces and Fall Protection
- Electrical Standards
- Chemical Hazards and Standards
- Personal Protective Equipment (eye, face, body and respirators)
- Hazardous Materials
- Permit-Required Confined Space Entry
- Welding
- Egress and Fire Protection
- Materials Handling
- Lockout/Tagout
- Excavation

# OSHA COURSE #5810

## Course Description

OSHA course #5810 *Hazards Recognition and Standards for On-Shore Oil and Gas Exploration and Production* provides essential information for employees and employers to protect themselves by developing the knowledge and skills to anticipate, recognize, evaluate and control hazards common to the on-shore oil and gas exploration and production industry. This includes work sites associated with the on-shore exploration and production of oil and gas including, but not limited to construction, drilling, completion, well servicing, production, product gathering and processing, and product transmission. This course is intended for employees and employers engaged in all phases of U.S. on-shore oil and gas exploration and production.

## Audience and Learning Objectives

The course is designed for employees, management and owners of businesses associated with all phases of on-shore oil and gas exploration and production operations. To get the most from this course, it is recommended that attendees have some prior experience or familiarity with oil and gas extraction processes, since not all oil and gas terms are described fully during the course.

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## About the Instructor

**SOFIANE OUALI** has years of hands on experience with the oil & gas industry and has worked as a project manager and as a safety professional on oil and gas exploration rigs in the Middle East and South Africa.

He also has the following experience:

- Proficient in quality, health, safety and environment within the oil industry and industrial environments
- Demonstrated experience for onshore drilling operations
- Experienced implementer and supervisor of all safety issues related to the entire drilling operation: pick up & make up BHA, run casing safety procedure, cementing job, coil tubing safe operation, wire line logging safe operation, runs up completion and liner, rigging up, rigging down and rig move
- Oil & Gas (Drilling) HSE Coordinator, Inspection and Auditing
- Conduct HSE Training to upgrade workforce awareness, Walkthrough to promote HSE awareness, and HSE audit and documentation with compliance to ISO 14001 & ISO 18001
- Control & management of all HSE issues, inspection & certification for equipment including hoisting, pressure control, lifting, mast/derrick structure, subsurface, tubular & others and ensuring that all applicable standards/ codes are involved in scope
- Comprehensive advice to ensure that standards, codes and rules & regulations are in line (Knowledge of International Standards as ISO, API, Etc.)
- Basic and advanced onshore safety induction & emergency response training (Desert Survival, Fire Fighting & 1st Responder/CPR.)
- Excellent communication skills, both oral and written in 5 different languages including English, French and Arabic.

## Additional Topics Include...

- Introduction to Oil & Gas Exploration and Production
- Why is Health & Safety for Oil and Gas so important?
- Rig Crew
- Setting Up The Drilling Rig
- Pre-Spud Safety inspection
- General Drilling Operations
- Well Servicing (Seismic, Explosives & Radiation, Wire Line, Logging, Mud logging, Geology, Casing, Cementing, Fishing, Directional Drilling, Fracking, Completion...)
- Well production
- Rig Hazards Identification
- Rig Hydraulics
- Well Control
- Spill Prevention
- Machine Guarding
- Hand Tools



Arizona State University's OSHA Training Institute Education Center delivers this and other OSHA numbered courses as part of a cooperative agreement with the U.S. Department of Labor, Occupational Safety and Health Administration.

## About This Course

The OSHA Course #5810 is a five day course with content created and driven by subject matter experts in the oil & gas exploration and production industry working in cooperation with representatives from OSHA and NIOSH. This course provides essential information for attendees to protect themselves by developing the knowledge and skills to anticipate, recognize, evaluate and control hazards common to the U.S. on-shore oil and gas exploration and production industry.

This course is delivered in-person through a combination of lectures, audio/visual presentations, group workshops, and hands-on demonstrations. Participants should make any travel arrangements to accommodate a 4:30 pm end time.

Courses are offered on an open enrolment basis for classes scheduled on our campus in Tempe, Arizona. Courses are also offered on a contract basis throughout OSHA's jurisdictional area which includes the United States and its territories.

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