



Lease Operator Certificate

Program Description: The Lease Operator Certificate Program is designed for entry level petroleum production employees. This program will provide the employee with the basic skills and knowledge required for the safe and efficient operation of oil and natural gas production facilities. The primary curriculum will focus on production safety, wellhead operation, artificial lift systems, oil and gas separation/storage, basic metering, and include an introduction to gas compression. The program will include a mix of lecture, laboratory, and hand's on applications. This program is designed to be completed over a six month period.

Topics Covered:

- Basic math for production workers
- Basic communication for production worker—oral and written
- Human relations/teamwork
- Basic computer skills including remote interfacing with equipment
- Overview of the oil and gas industry
- Safety training including:
 - Safeland
 - Hazwoper
 - Confined space
 - First aid/CPR
 - H_2S
- Low and high pressure systems
- Basic wellhead and production pad layout and construction
- Basic installation/operation/and maintenance of :
 - Wellheads
 - Separators/gas production units
 - Tank batteries
 - Meter runs
 - Desanders and auxiliary equipment
- Oil measurement systems
- Gas measurement systems
- Artificial lift systems
- Brine storage
- Introduction to well servicing
- Introduction to the installation/operation/maintenance of gas compression systems
- Introduction to basic electrical applications in production
- Introduction to new technologies in production/remote well operations