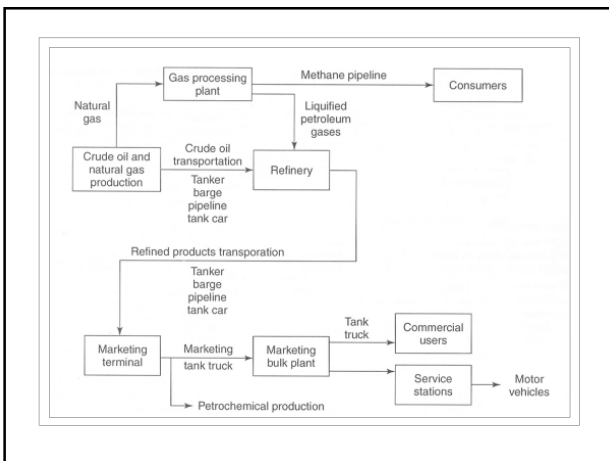


Oil and Gas Production

The Petroleum Industry

Industry Segments

- Exploration and production
- Transportation
- Refining
- Distribution

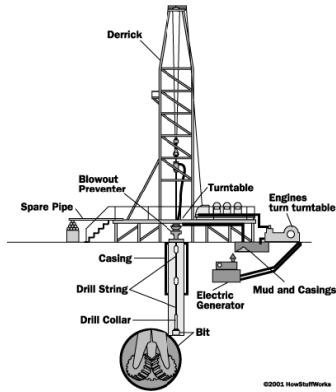


Oil and Gas Production

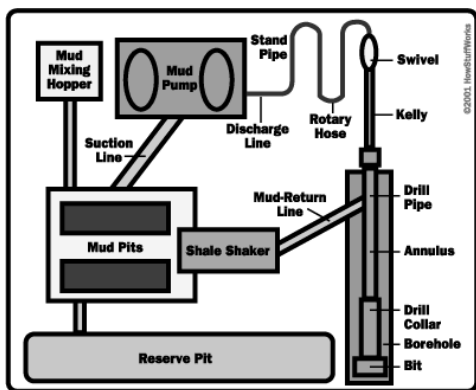
Exploration and Production

- Exploration and well-site preparation
- Drilling
- Crude oil and gas processing
- Enhanced recovery

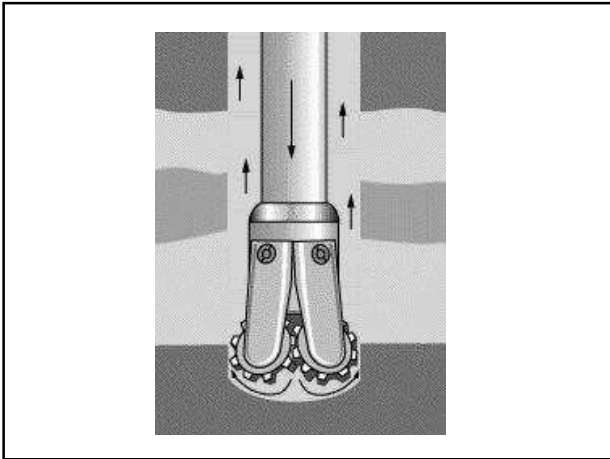
Drilling Operations

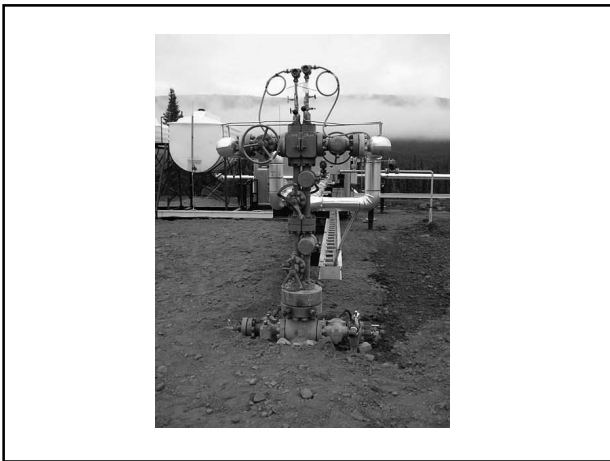


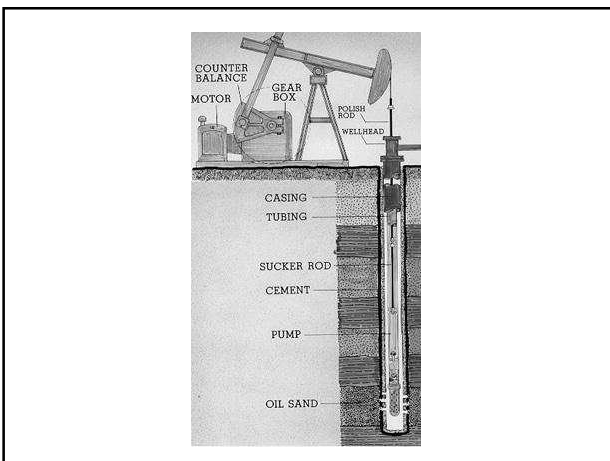
Drilling Mud



Oil and Gas Production



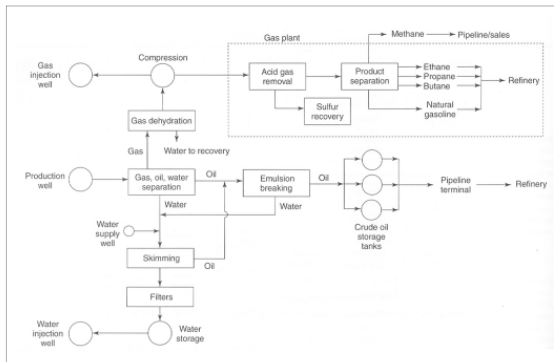




Oil and Gas Production



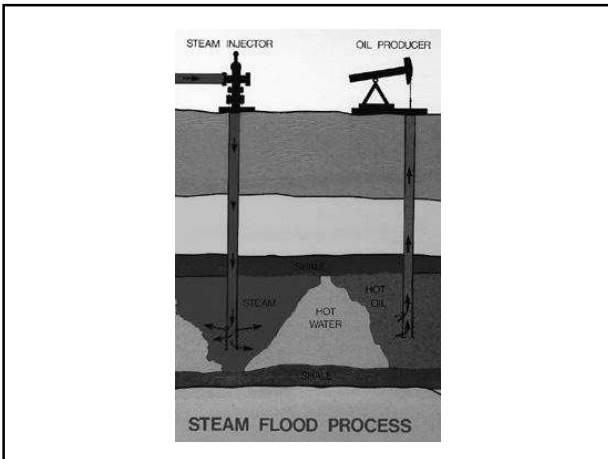
Crude Oil and Gas Processing



Enhanced Recovery

- Water injection
- Gas injection
- Thermal processes

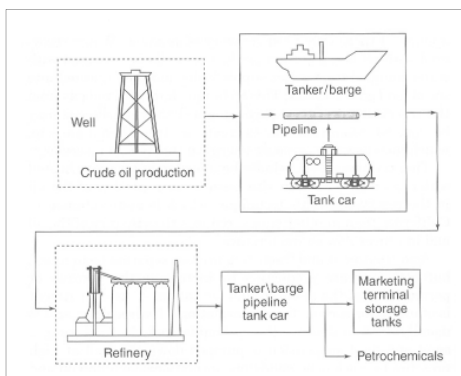
Oil and Gas Production



Emission Control Techniques

- Vent collection system
 - Carbon adsorption
 - Refrigeration condensation
 - Thermal oxidation
- Combustion controls
- Storage tank controls
- Inspection and maintenance

Transportation



Transportation Emission Sources

- Loading
- Transit
- Marine vessel ballasting operations
- Storage

Emission Control Techniques

- Loading controls
- Vent collection or vapor balance system
 - Carbon adsorption
 - Refrigeration condensation
 - Thermal oxidation
- Product refrigeration
- Inspection and maintenance
- Storage tank controls
