Oil and gas exploration encompasses the processes and methods involved in locating potential sites for oil and gas drilling and extraction.Geological surveys are conducted using various means from testing subsoil for onshore exploration to using seismic imaging for offshore exploration.Energy companies compete for access to mineral rights granted by governments by either entering a concession agreement, meaning any discovered oil and gas are the property of the producers, or a production–sharing agreement, where the government retains ownership and participation rights.

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