

Upstream (Exploration & Production = E&P)

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A part of [Petroleum Industry](#) related to [exploration](#) and [production](#) of [hydrocarbons](#) (also called [Exploration & Production](#) or [E&P](#)).

The key elements of [Upstream](#) is [Petroleum Reservoir](#) and [Petroleum Well](#), often considered in the context of [Well-Reservoir System \(WRS\)](#).

The size, structure and complexity of [Petroleum Reservoirs](#) are normally characterized by the generally accepted metrics on [Reserves Classification](#).

The engineering part of [Upstream](#) operations is called [Petroleum Engineering](#) which is essentially based on the knowledge areas of:

Surface E&P Disciplines	Subsurface E&P Disciplines	Data Acquisition
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The primary subject of [E&P](#) is [exploration](#) of a new or acquisition of existing [Petroleum Assets](#) and maintaining a profitable [production](#) from them.

The [E&P](#) activities are managed by [Petroleum Operating Company](#) with the help of [Oilfield Services \(OFS\)](#) and also undertake:

- searching, evaluating and acquiring the new [Petroleum Assets](#)
- selling existing [Petroleum Assets](#) in order to raise the funds for a more profitable investment opportunities
- making arrangements for [Land allocation](#) required for [Petroleum Assets](#)

The [Upstream](#) industry is split into two major operational areas: [Petroleum Exploration](#) and [Petroleum Production](#):

Petroleum Exploration					Petroleum Production		
Basin Analysis	Surface Exploration	Subsurface Exploration	Appraisal Exploration	Booking Reserves	Surface Production	Subsurface Production	Field Development Planning
Tectonic Analysis	Aerospace survey	Exploration drilling	Craelius wells	Geological Modeling	Production gathering	Well & Reservoir Management	Economics
Depositional facies	Landscape survey	Open-Hole logging	Appraisal wells	Petrophysical Modelling	Fluid supply & injection	Field Study & Modelling	Surface facilities
Lithological facies	Gravimetry survey		Open-Hole logging	Fluid Modelling	Production Performance Monitoring	Well & Reservoir Surveillance	Subsurface facilities
	Magnetic survey		Cased-Hole logging				Production Strategy
	Resistivity survey		Lab Core analysis				Recovery Methods
	Seismic surveys		Lab PVT analysis				

See also

Petroleum Industry (Oil & Gas Industry)

[Petroleum Asset] [Petroleum Reservoir] [Petroleum Well] [Well-Reservoir System (WRS)] [Reserves Classification]

[Petroleum Operating Company] [Petroleum Service Provider]

[Field Operations] [Well Drilling] [Data Acquisition]

[Surface E&P Disciplines] [Subsurface E&P Disciplines]

[Land allocation]