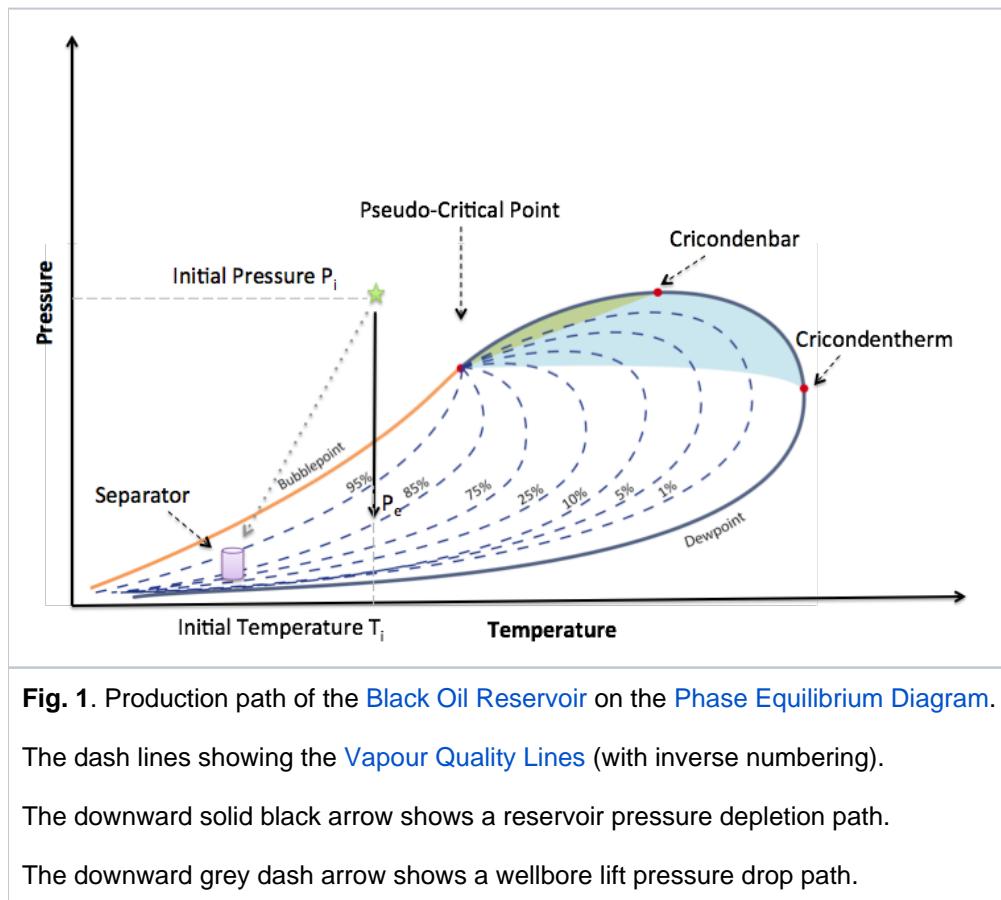


# Black Oil Reservoir

Undersaturated Oil Reservoir with Vapour Liquid Envelope having quality lines broadly spaced at reservoir conditions with separator conditions lying on relatively low quality lines.

The most common type of [Oil Reservoirs](#).



**Table 1 – Example of Black Oil composition (in mol % )**

Substance	Black Oil
CO <sub>2</sub>	0.02
N <sub>2</sub>	0.34
C <sub>1</sub>	34.62
C <sub>2</sub>	4.11
C <sub>3</sub>	1.01
iC <sub>4</sub>	0.76

$n\text{ C}_4$	0.49
$i\text{ C}_5$	0.43
$n\text{ C}_5$	0.21
$\text{C}_{6s}$	1.16
$\text{C}_{7+}$	56.40
$\text{Rs}$ (SCF/STB)	320
$\text{Rv}$ (STB/MMSCF)	3125
API gravity	23.6
$M_{7+}$	274
$7+$	0.920

## See Also

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[Petroleum Industry](#) / [Upstream](#) / [Subsurface E&P Disciplines](#) / [Petroleum Geology](#) / [Petroleum reservoir](#) / [Hydrocarbon reservoir](#) / [Oil Reservoir](#) / [Undersaturated Oil Reservoir](#)

[ [Hydrocarbon Reserves](#) ] [ [Depletion](#) ]

## References

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