

Retrograde Gas Condensate Reservoir

Petroleum Reservoir that reside in reservoirs with the original temperatures lying between the pseudo-critical temperature T_{pc} and the Cricondentherm T_{max} .

Natural Gas Reservoir with initial formation temperature T_i lying between the pseudo-critical temperature T_{pc} and the Cricondentherm $T_{c,max}$, which initially stays gaseous (outside Vapour Liquid Envelope) and builds condensate at separator (inside Vapour Liquid Envelope, see Fig. 1).

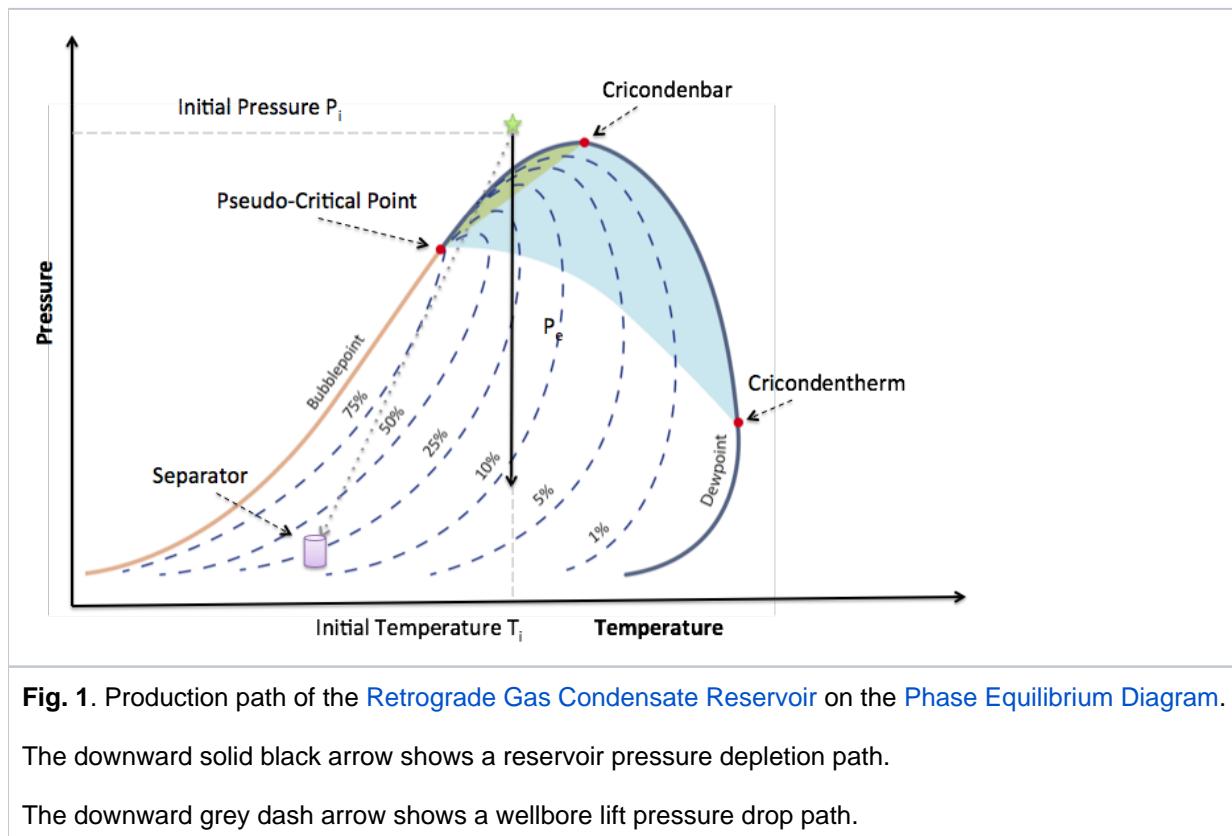


Table 1 – Example of Condensate composition (in mol %)

Substance	Condensate
CO ₂	2.37
N ₂	0.31
C ₁	73.19
C ₂	7.80
C ₃	3.55
iC ₄	0.71

$n\text{C}_4$	1.45
$i\text{C}_5$	0.64
$n\text{C}_5$	0.68
C_{6s}	1.09
C_{7+}	8.21
Rs (SCF/STB)	5965
Rv (STB/MMSCF)	165
API gravity	48.5
M_{7+}	184
$7+$	0.816

See Also

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

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

References

 Unknown macro: 'cite-summary'

 Unknown macro: 'single-cite'