

Dry Gas Reservoir

Natural Gas Reservoir with initial formation temperature $T_i > T_{c,max}$ above Cricondetherm $T_{c,max}$ and stays gaseous at separator (outside Vapour Liquid Envelope, see Fig. 1).

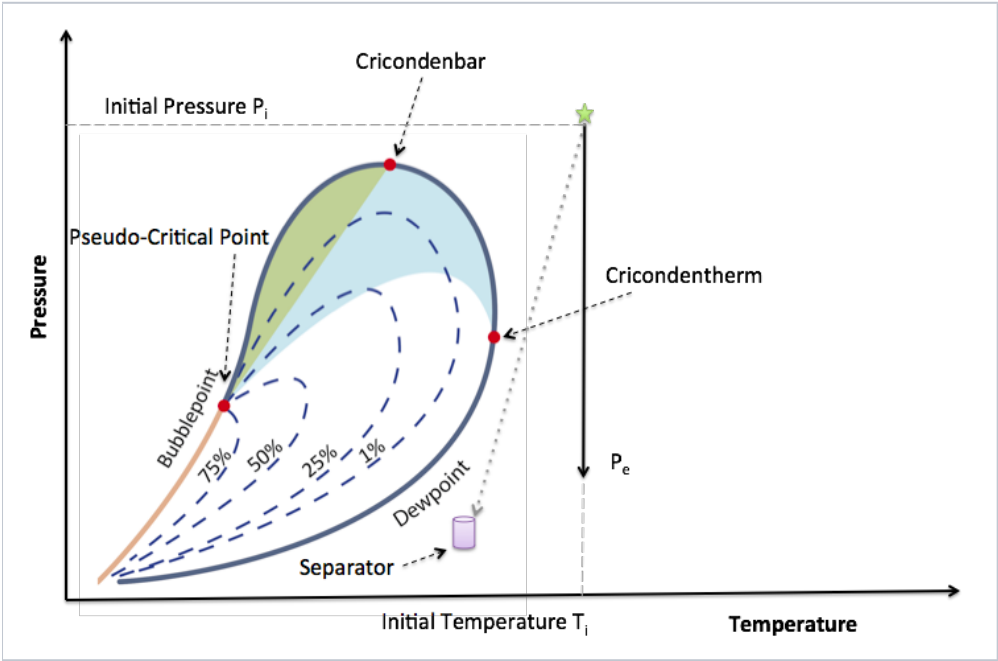


Fig. 1. Production path of the Dry Gas Reservoir on the Phase Equilibrium Diagram.

The downward solid black arrow shows a reservoir pressure depletion path.

The downward grey dash arrow shows a wellbore lift pressure drop path.

Table 1 – Example of Dry Gas composition (in mol %)

Substance	Dry Gas
CO ₂	0.10
N ₂	2.07
C ₁	86.12
C ₂	5.91
C ₃	3.58
i C ₄	1.72
n C ₄	
i C ₅	0.50

$n\text{ C}_5$	
$\text{C}_{6\text{s}}$	
C_{7+}	
R_s (SCF/STB)	
R_v (STB/MMSCF)	0
API gravity	
M_{7+}	
7+	

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References

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