

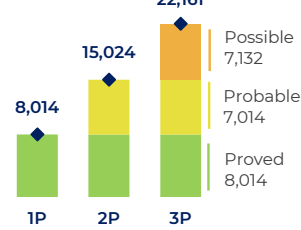
Reserves as of January 1, 2022

Reserves

Quantities of hydrocarbons which are anticipated to be commercially recoverable through the application of development projects to known accumulations, from a given date forward, under defined conditions. To be considered as reserves, hydrocarbons must meet four criteria: to be discovered, recoverable, commercial and in place (from the effective date of appraisal), based on development projects.

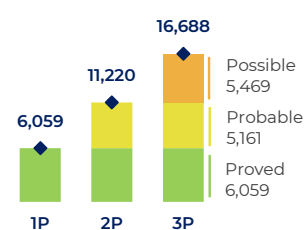
Reserves in oil equivalent

MMboe



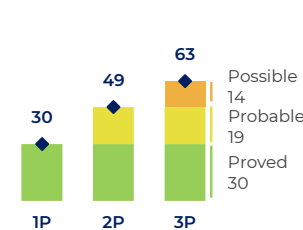
Reserves of oil

MMbbl



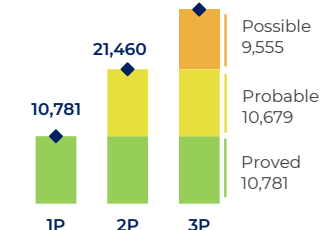
Reserves of condensate

MMbbl



Reserves of natural gas

Bcf

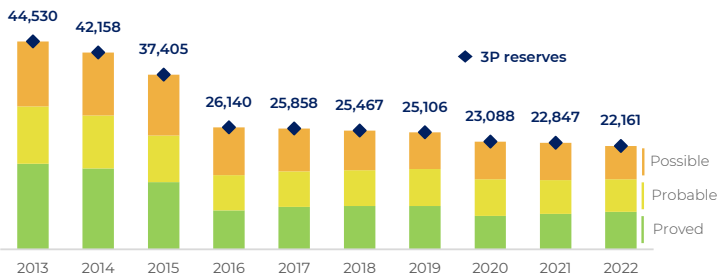


Reserves evolution

2021-2022 3P reserves oil equivalent

as of January 1st of a given year

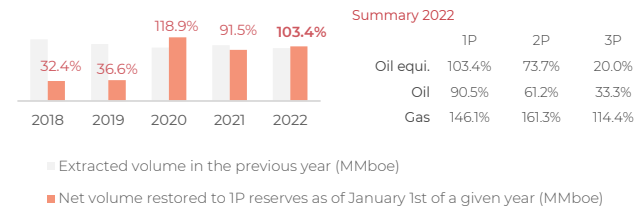
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1P rate of reserves replacement oil equivalent

as of January 1st of a given year

Percentage of the produced hydrocarbons' volume for each year that is replaced by the incorporation of discoveries, development and reserves updates.



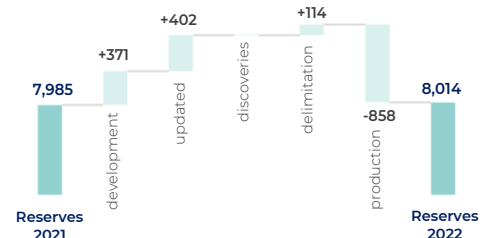
2021-2022 reserves' balance

as of January 1st of a given year

	Oil equivalent			Oil			Natural gas		
	1P	2P	3P	1P	2P	3P	1P	2P	3P
2021 Reserves	7,985	15,249	22,847	6,120	11,470	17,119	9,981	20,392	30,764
Development	371	134	151	238	84	97	635	189	521
Updated	402	493	4	301	305	104	1,576	2,617	1,458
Discoveries	0	7	16	0	6	15	0	4	13
Delimitation	114	0	0	45	0	0	331	0	0
Production	-858	-858	-858	-646	-646	-646	-1,742	-1,742	-1,742
2022 Reserves	8,014	15,024	22,161	6,059	11,220	16,688	10,781	21,460	31,015

2021-2022 1P reserves balance in oil equivalent

MMboe

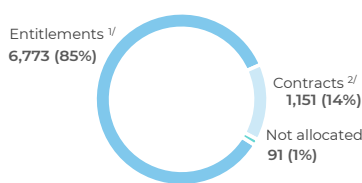


Reserves distribution

2022 1P reserves in oil equivalent

as of January 1st 2022

MMboe



Top 5: 1P reserves by field

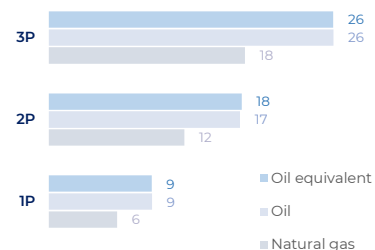
as of January 1st 2022

Field	1P reserves
Ayatsil	964
Maloob	662
Akal	489
Ixachi	239
Zaap	211

Field	1P reserves
Ixachi	1,902
Quesqui	1,436
Akal	637
Lakach	343
Maloob	306

Reserves to production ratio

Average number of years in which the reserves may be depleted as of January 1, 2022 assuming a constant production rate equal to that observed in 2021.



To consult the reserves by field, visit [Hydrocarbons Information System](#)

Totals may not add up precisely due to rounding.

* For the National Consolidation purposes, the reserves Agave, Ché, Chiapas-Copanó, Cráter, Etkal, Giraldas, Ixachi, Juspi, Koban, May, Muspac, Nejo, Quesqui and Tizón fields are accounted for as oil.

The definitions provided by this report followed the guidelines for quantification procedures and the nation's reserves certification. CNH adopted the Petroleum Management System, in its current English version as a reference methodology for the estimation and reserves consolidation.