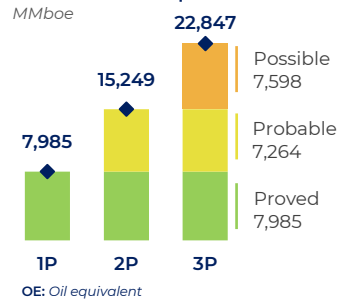


Reserves as of January 1, 2021

Reserves

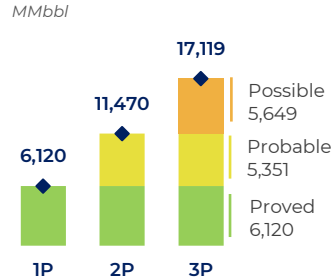
Quantities of hydrocarbons which are anticipated to be commercially recoverable through the application of development projects to known accumulations, from a given date forward, under defined conditions. To be considered as reserves, hydrocarbons must meet four criteria: to be discovered, recoverable,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

Reserves in oil equivalent

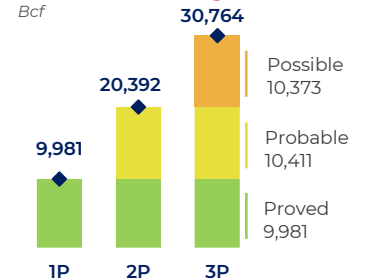


OE: Oil equivalent

Reserves of oil

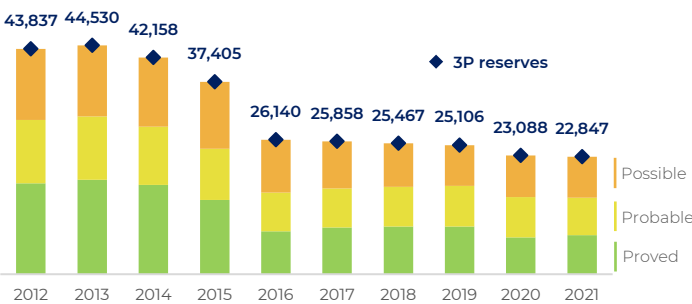


Reserves of natural gas



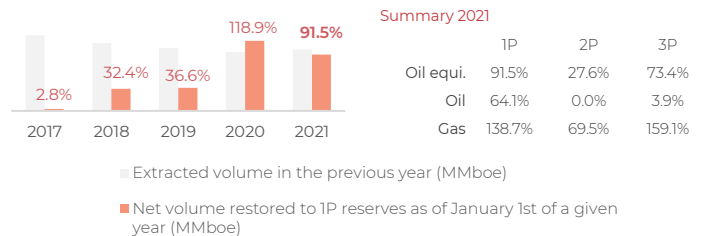
Reserves evolution

2012-2021 3P reserves oil equivalent



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.



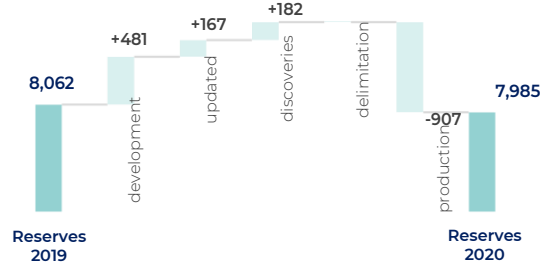
Summary 2021

	1P	2P	3P
Oil equi.	91.5%	27.6%	73.4%
Oil	64.1%	0.0%	3.9%
Gas	138.7%	69.5%	159.1%

2020-2021 reserves' balance

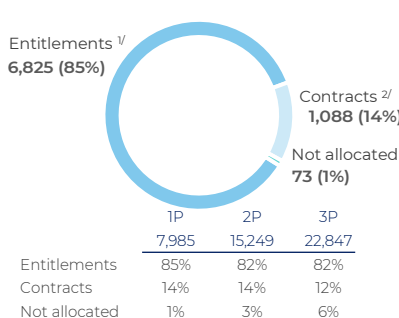
	Oil equivalent			Oil			Natural gas		
	1P	2P	3P	1P	2P	3P	1P	2P	3P
2020 Reserves	8,062	15,905	23,088	6,347	12,102	17,726	9,286	20,940	29,703
Development	481	38	2	250	-20	-49	1,236	265	191
Updated	167	-342	-704	53	-305	-628	883	-79	-507
Discoveries	182	555	1,368	102	325	702	372	1,061	3,173
Delimitation	0	0	0	0	0	0	0	0	0
Production	-907	-907	-907	-632	-632	-632	-1,795	-1,795	-1,795
2021 Reserves	7,985	15,249	22,847	6,120	11,470	17,119	9,981	20,392	30,764

2020-2021 1P reserves balance in oil equivalent



Reserves distribution

2021 1P reserves in oil equivalent



^{1/} Includes reserved entitlements
^{2/} From bidding processes, farmouts and migrations

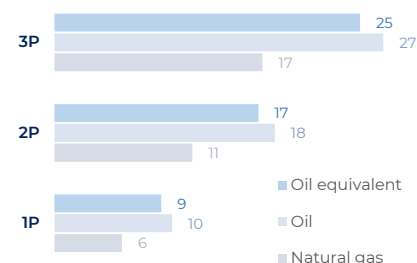
Top 5: 1P reserves by field

Reserves oil	Field	1P reserves
MMbbl	Ayatsil	1,005
	Maloob	763
	Akal	542
	Zaap	286
	Ixachi*	246

Reserves natural gas	Field	1P reserves
Bcf	Ixachi	2,016
	Akal	671
	Lakach	343
	Quesqui	308
	Maloob	271

Reserves to production ratio

Average number of years in which the reserves may be depleted as of January 1, 2021 assuming a constant production rate equal to that observed in 2020.

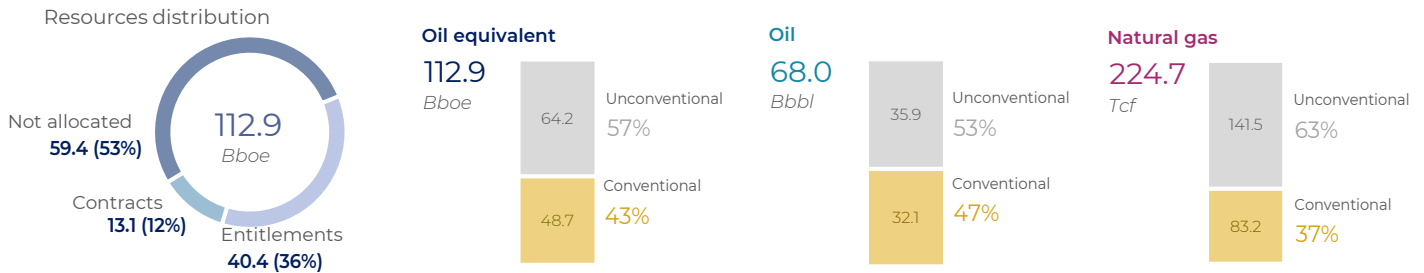


Totals may not add up precisely due to rounding.
* For the National Consolidation purposes, the reserves of condensate producing fields are accounted for as oil.

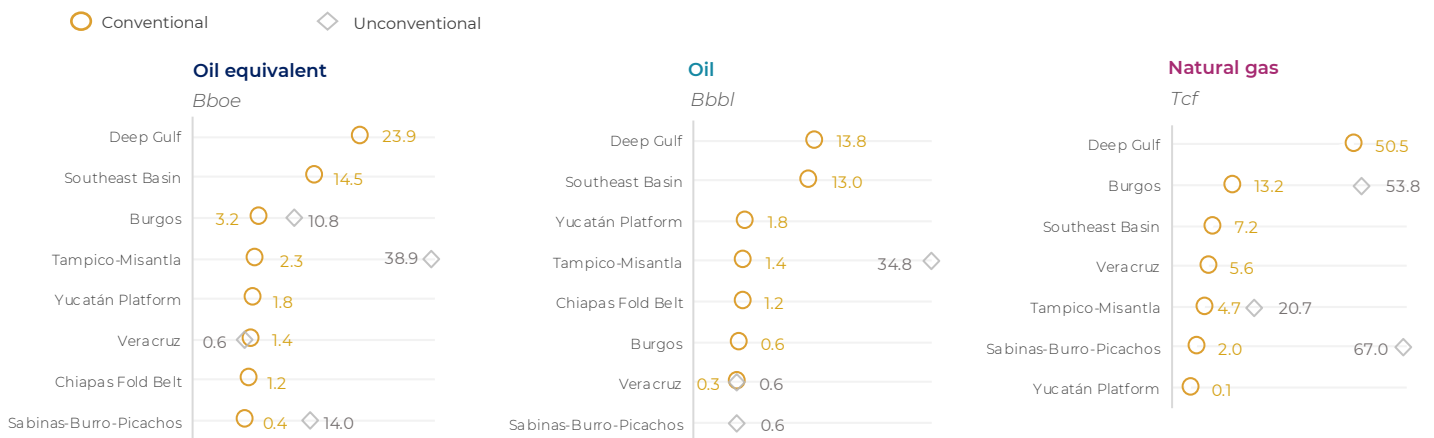
Prospective resources as of March 2021

Prospective resources

Estimated volume of hydrocarbons as of a given date, corresponding to undiscovered accumulations where existence is inferred based on available information and estimated as potentially recoverable through the application of future exploration and development projects.



Resources by oil province



Unconventional prospective resources

	Crude oil equivalent Bboe	Oil Bbbl	Wet natural gas Tcf	Dry natural gas Tcf
Burgos	10.8		9.5	44.3
Upper Cretaceous	1.9		9.5	
Upper Jurassic (Tithonian)	8.9			44.3
Sabinas - Burro - Picachos	14.0	0.6	6.6	60.4
Upper Cretaceous	7.1	0.6	6.6	26.3
Upper Jurassic (Tithonian)	6.8			34.1
Tampico-Misantla	38.9	34.8	20.7	
Upper Cretaceous	14.5	13.0	7.6	
Upper Jurassic (Oxfordian)	4.0	4.0		
Upper Jurassic (Tithonian)	20.4	17.8	13.1	
Veracruz	0.6	0.6		
Upper Cretaceous	0.6	0.6		



Oil province

Refer to the Hydrocarbons Information System: <https://sih.hidrocarburos.gob.mx/>

Totals may not add up precisely due to rounding.

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.

MMboe: millions (10⁶) of barrel of crude oil equivalent.
Bboe: millions (10⁹) of barrel of crude oil equivalent.

MMbbl: millions (10⁶) of barrels of oil.
Bbbl: billions (10⁹) barrels of oil.

Bcf: billions (10⁹) of cubic feet.
Tcf: trillions (10¹²) of cubic feet.