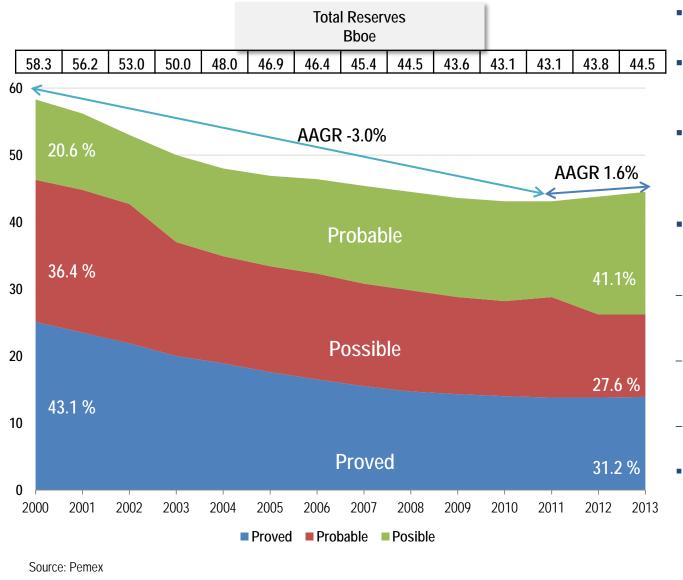


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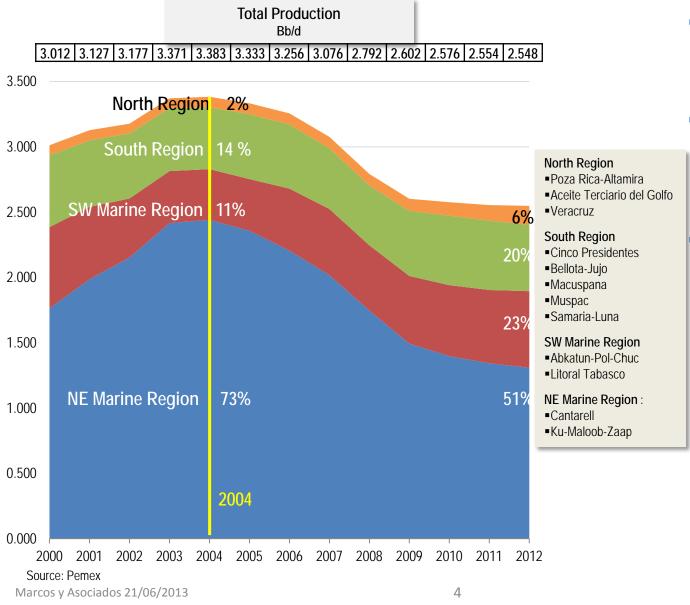
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A. Mexico's hydrocarbon reserves have declined for the last 10 years



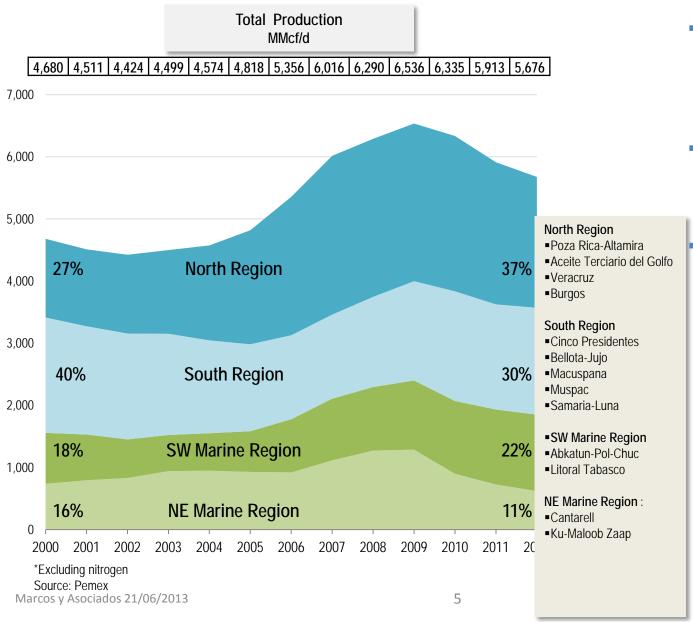
- Proven reserves were the most affected
- The declining tendency changed in 2011.
 Replacement rate above 100%
- Main reserve additions in 2011 comprise discoveries in shallow and deep water.
 Some inland
- In 2012, Pemex announced three major discoveries in the Gulf of Mexico:
- Trion 1: 8,200 feet of water depth and 350 MMB of potential oil reserves
- Kunah-1: 7,000 feet of water depth and 1.5-2 Tcf of natural gas
- Supremus 1: 9,500 feet of water depth and 125 MMB of oil
- In addition, there was a discovery of an inland field: Navegante, with up to 500 MMboe of potential reserves

A. Oil production has dropped 835 MBD since 2004



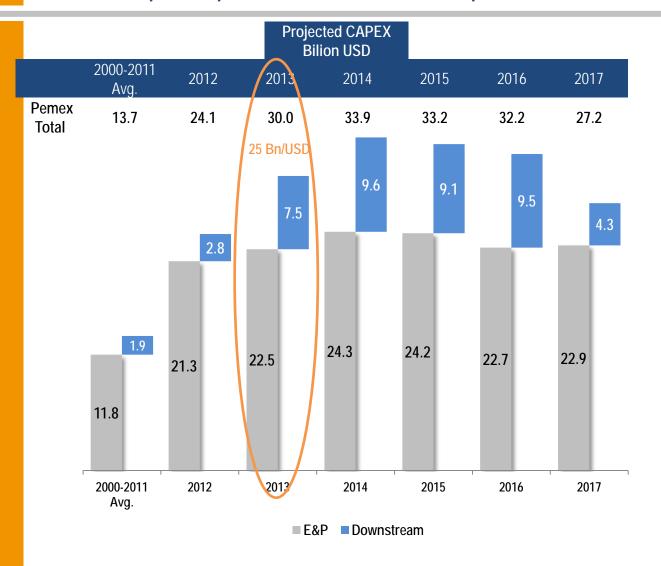
- Since its peak in 2004, oil production decreased due to the steep decline of Cantarell
- Production is expected to increase again, according to official estimates, mainly in the marine region
- Ku-Maloob-Zaap represents 1/3 of total crude production

A. Natural gas production* increased momentarily until 2009; has declined since



- Natural gas production expanded from 2003 to 2009 mainly due to an increasing output from the North Region (Burgos)
- However, production declined again recently due to lower output from NE Marine Region
- Since 2006, some of the nitrogen injected in Cantarell and other fields has surfaced, affecting gas specs.

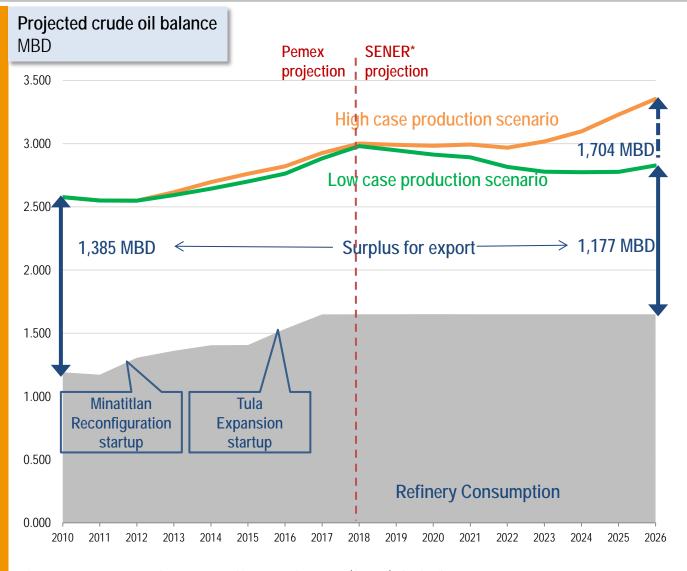
B. Pemex capital expenditure for 2013-2017, expected to increase



- Pemex E&P investments between 2013-2017 expected to average 23.3 Bn
- Downstream CAPEX growth during 2013-2016 would come from the new Tula Refinery project
- However, the 2013 CAPEX of 30 Bn/USD planned by Pemex was reduced to 25 Bn/USD, affecting mainly anticipated investments for the new Tula Refinery

Source: Pemex, Business Plan 2013-2017

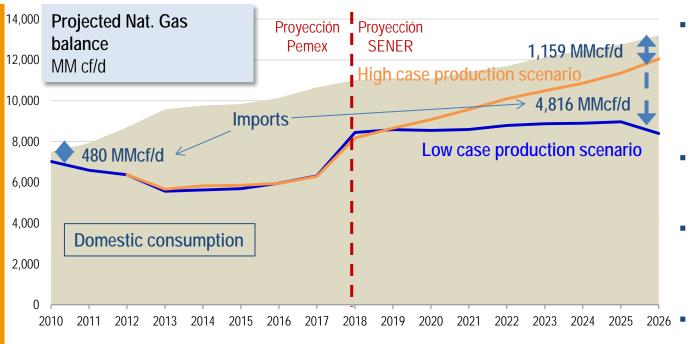
B. An increase in CAPEX should favor long term oil production and exports



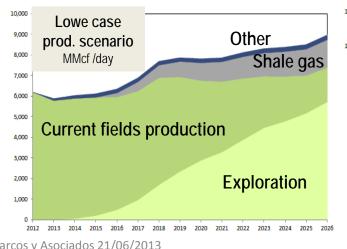
- In the low case scenario, a 0.67% annual production growth rate is forecasted, which would lead to a stable oil surplus for export
- In the high case scenario, production would grow 1.9% per year, expanding the export base

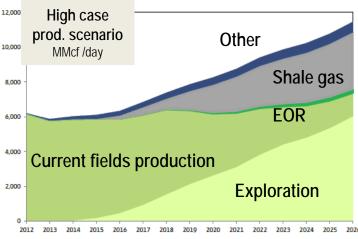
Source: Pemex, Bussines Plan 2013-2017. *Secretaria de Energía (SENER), Crude oil prospective 2012-2026

B. Long term natural gas balance would grow, but remain below consumption levels



- In the low case scenario, 2013 and 2026 between production grows 3.2% per year, vs. a 2.5% annual average consumption growth, increasing imports
- In the he high case scenario, production grows 5.7% per year, reducing import volumes
- both cases, a growing participation of shale gas production and new discoveries are required
- Natural gas imports in 2012 averaged 2,200 Mcf/day





Source: Secretaría de Energía (SENER). Natural Gas prospective 2012-2026

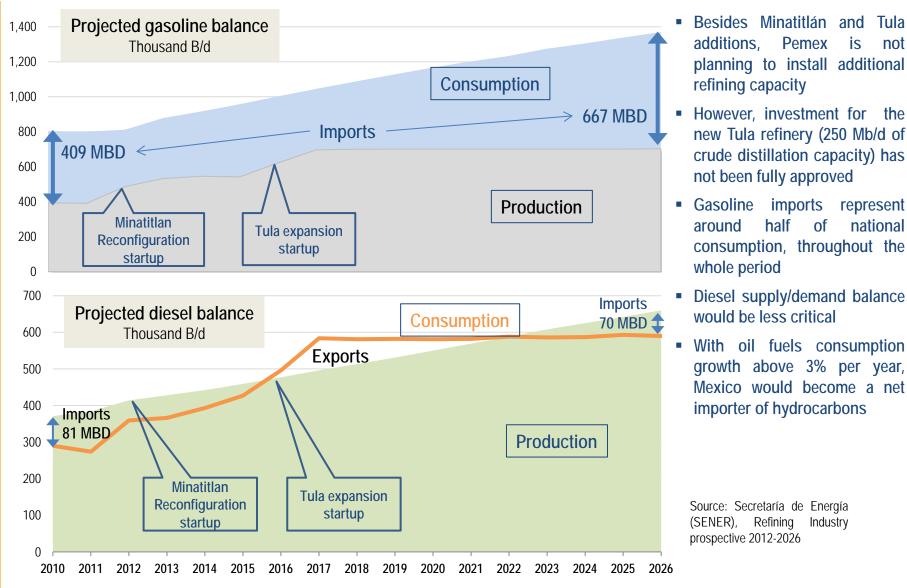
B. Projections do not consider major downstream investments beyond current projects

is

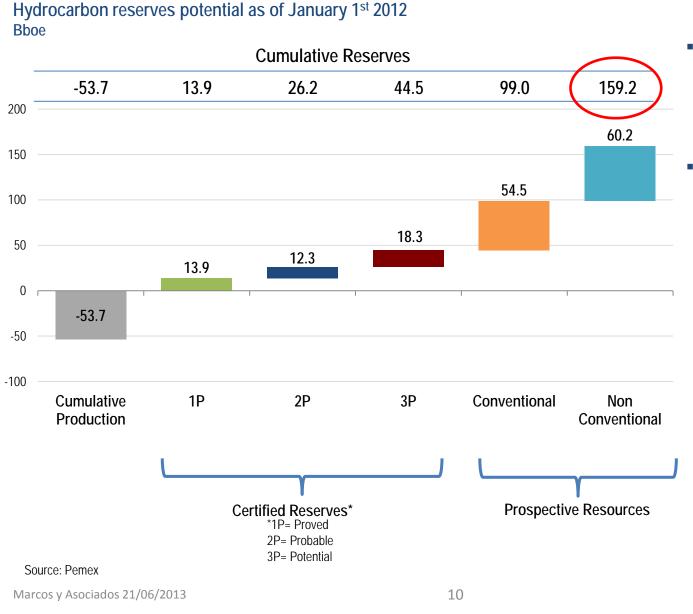
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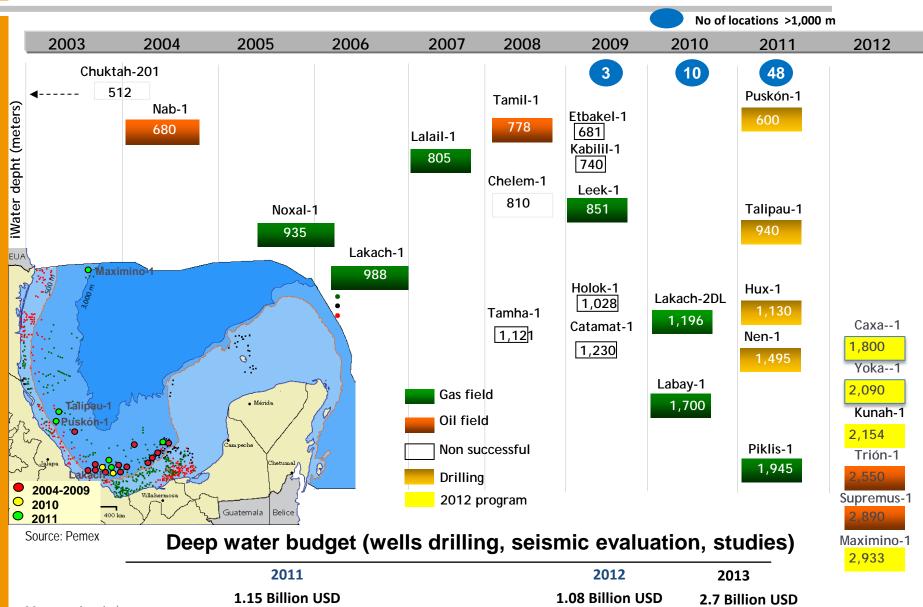


C. However, Mexico has a promising potential of O&G resources that need to be developed

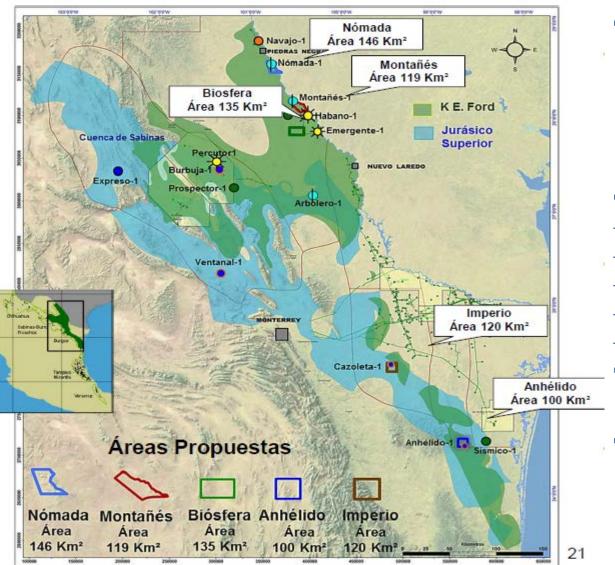


- Mexico's certified hydrocarbon reserves as of 2012 reached 44.5 billion boe, of which 31.2% are proven (1P)
- Prospective resources estimated in 115 billion boe, 52% of which are non conventional

C. Pemex Gulf of México deepwater exploration results are promissory



C. For shale plays, Pemex will explore selected areas



- Pemex is proposing to explore 5 potential shale plays in NE Mexico through "field laboratories", contracts where service companies are assigned specific areas to explore and assess potential resources on behalf of Pemex
- The proposed areas in Km2 are:

-	Nómada	146
_	Montañés	119
_	Biósfera	135
_	Anhélidp	100
_	Imperio	120

- Pemex has already drilled 5 exploratory wells in this region with positive results
- However, It will take many years for Pemex to develop this resources alone

D. Reform Agenda

Ownership and management of hydrocarbon resources will remain under Mexican State jurisdiction, as much as Pemex as the National Oil Company (Agreement N° 54 PPM*)

- trengthen Pemex as a Public Productive Company to compete in an open market:
 - Transform Pemex into a "Public Productive Company", (A. 55) relieving it from its monopoly duties
 - Create a truly independent Pemex Corporate Board (A.55), with capacity to negotiate alliances with other oil companies
 - Maximize hydrocarbons "economic rent" (A.56), and introduce a competitive fiscal regime for Pemex and other operators
 - Negotiate a more flexible labor contract

Reinforce the regulatory
Agencies and its legal
capacities to oversee Pemex
and private newcomers to the
industry

- National Hydrocarbons Commission (A. 58)
- Energy Regulatory Commission
- Economic Competition Commission
- Establish obligations for Pemex to adopt efficiency and transparency policies equivalent to other global oil companies (A. 58)

Introduce a gradual and selective liberalization of the O&G industry and promote

market competition:

- Establish a new concessions regime (similar to mining) to promote development of unconventional resources
- Allow private investment in downstream activities: refining, gas processing and petrochemicals, including transportation, storage and local sales (A. 57)
- Eliminate price controls

IV

Promote the development of a local supply chain, the increase in local content (A. 59) and the development of an indigenous technology base for the oil industry

D. Mexican O&G industry long term vision

Mexican State

- "Mineral" ownership of Mexican O&G underground resources
- Capture economic rent through royalties and taxes from E&P of oil and gas
- Ownership of Pemex as the National Oil Company

Pemex exclusive rights

E&P of conventional resources, inland and shallow waters

Constitutional amendments

Pemex in alliance with private companies

- New risk contract models for mature fields exploitation
- E&P in deep water through production / profit sharing contracts

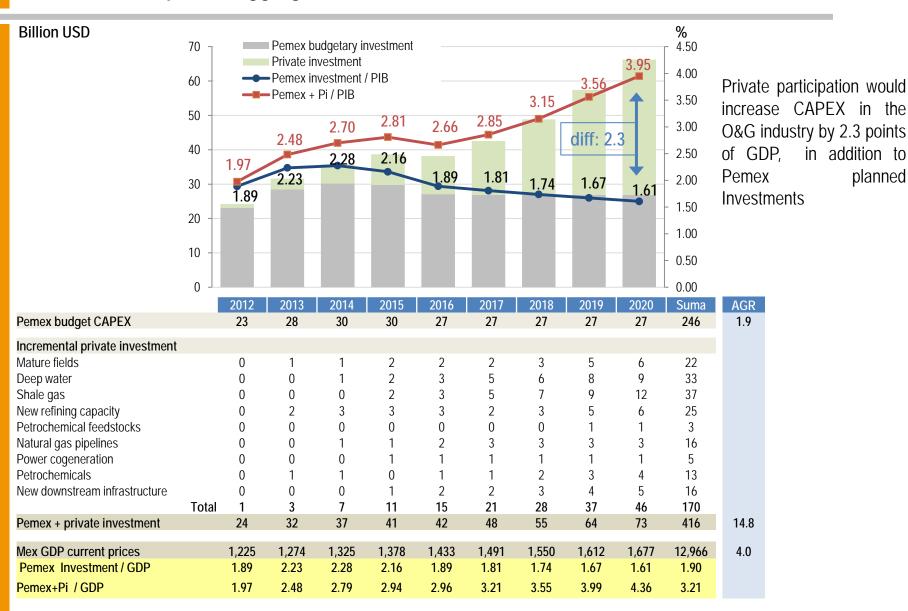
Mixed ownership
Pemex and /or
private companies

- E&P of shale plays through a concessions regime
- New downstream projects (refineries, gas processing units, petrochemical plants)
- New O&G transportation, storage and distribution projects

Interconnection facilities with North and Central American markets

Increase local content and develop a competitive supply chain

D. Estimated impact of aggregate CAPEX



in addition to

planned