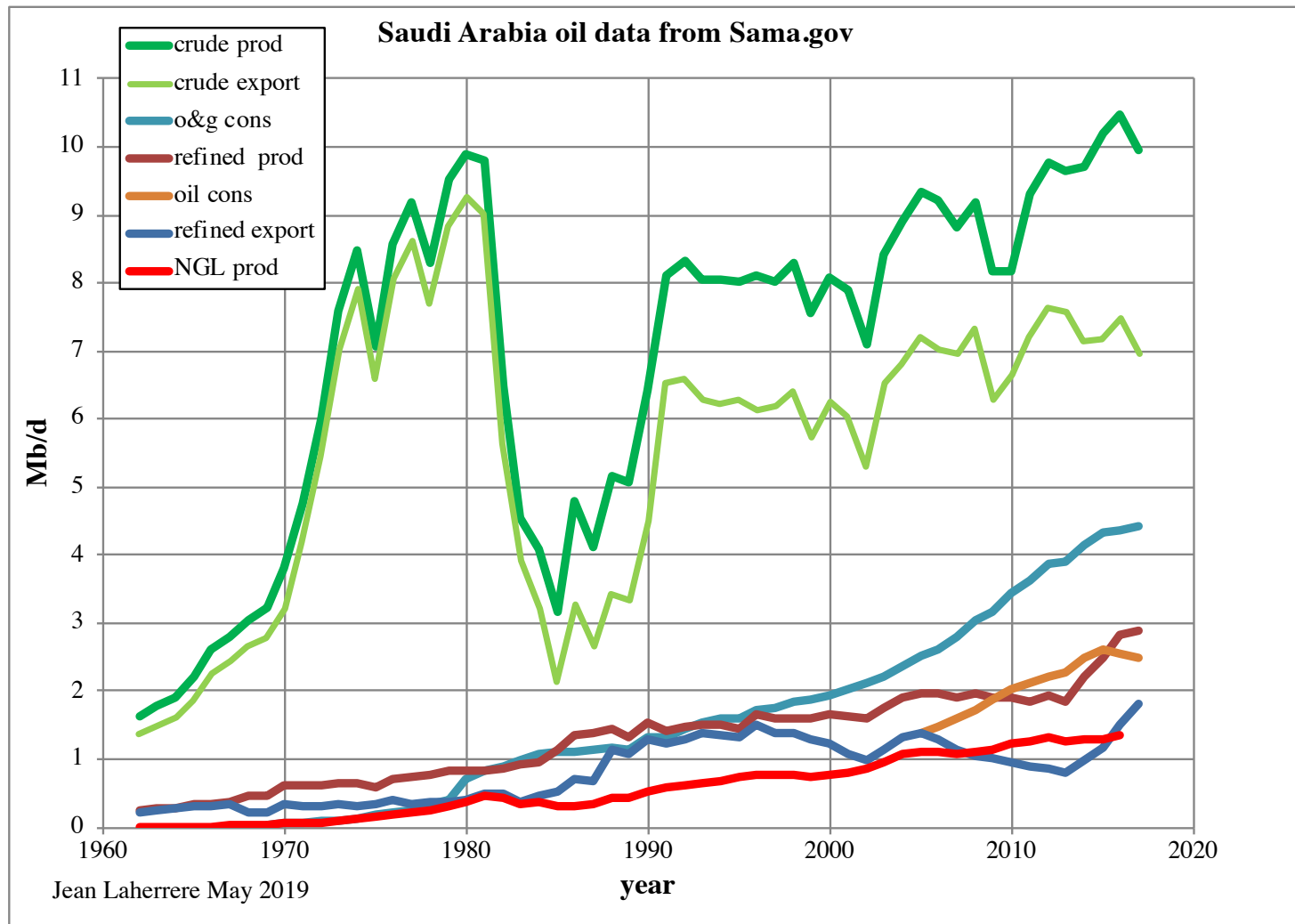


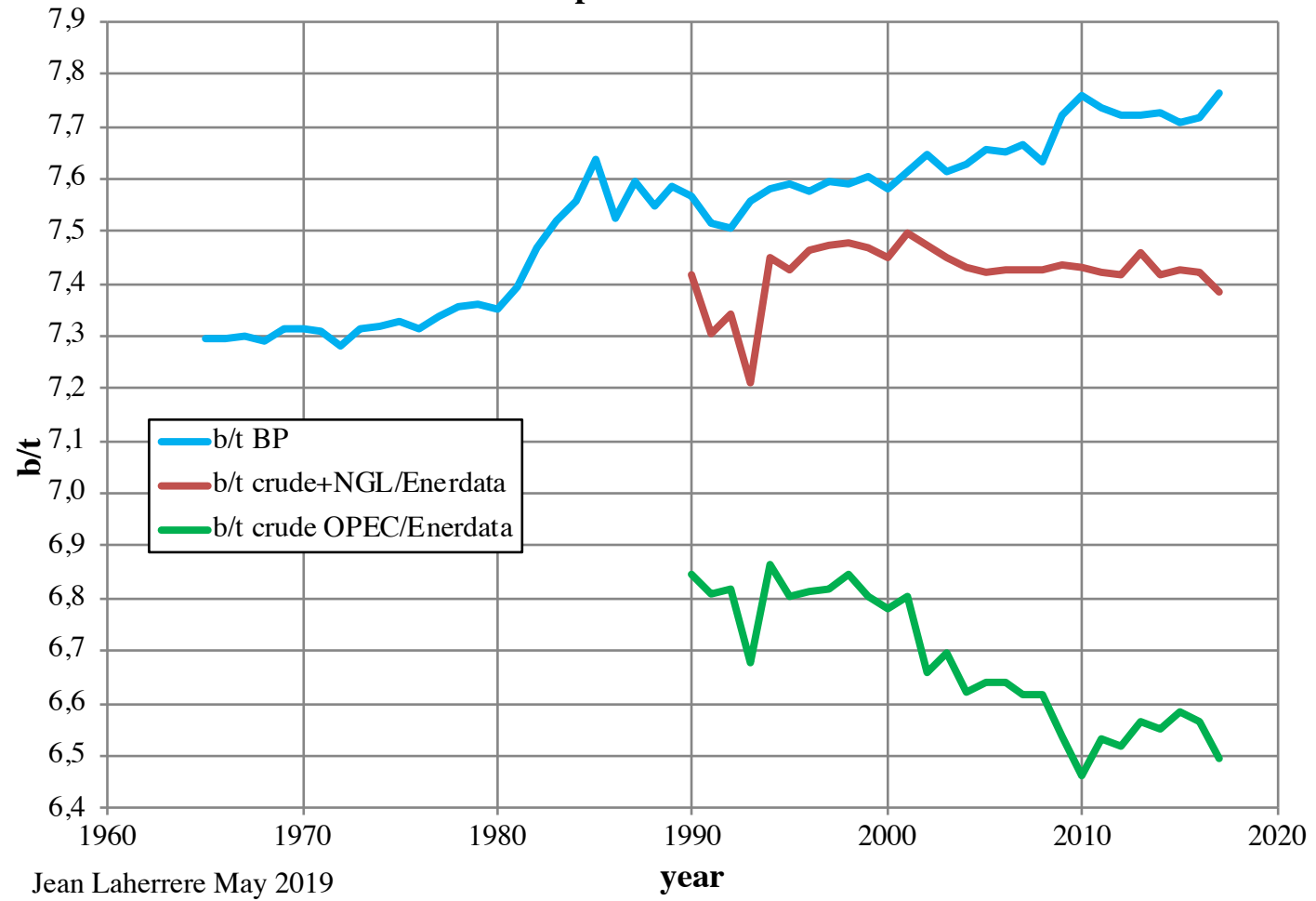
Graphiques sur l'Arabie Saoudite, NGL & Delphi

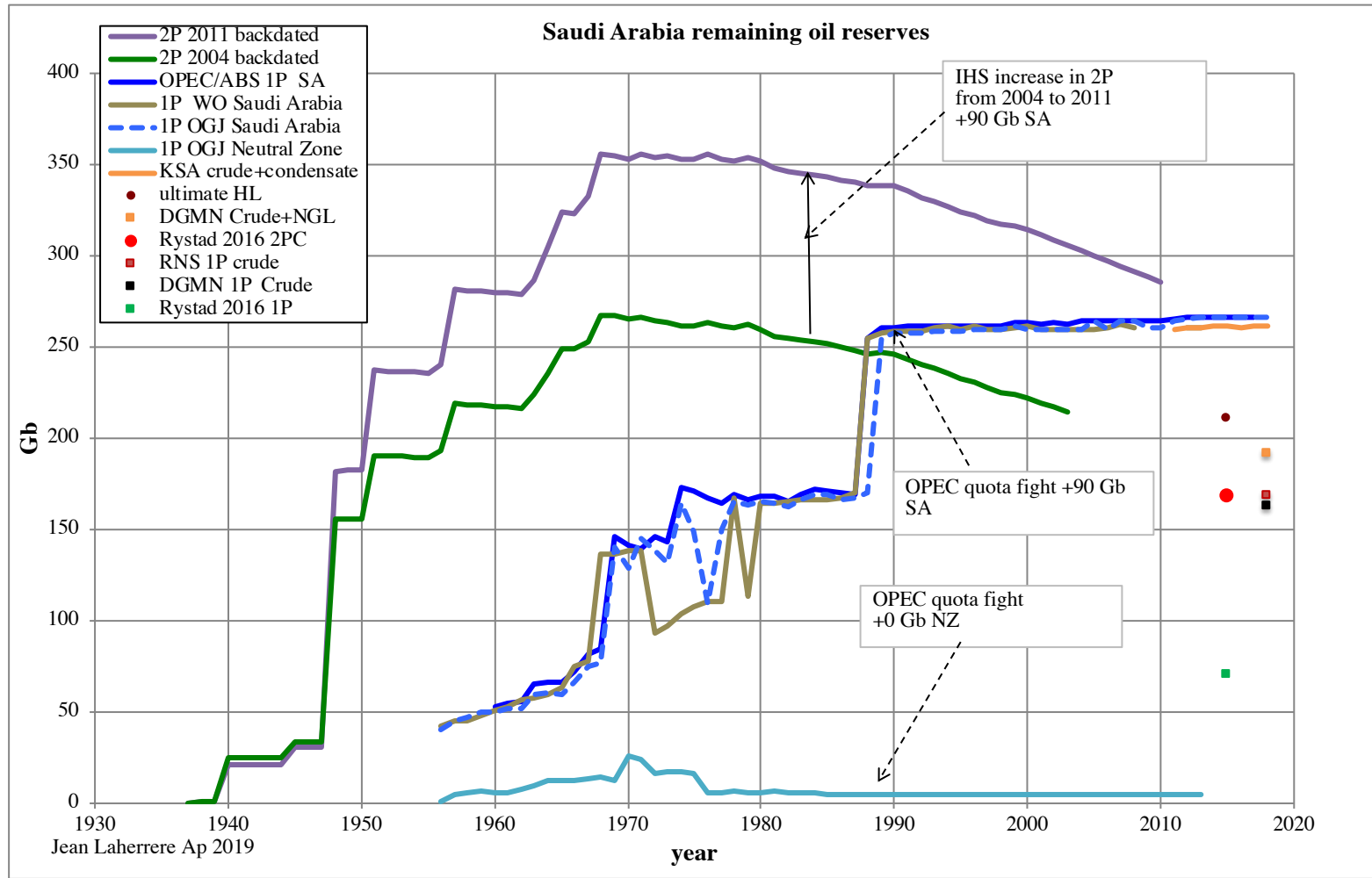


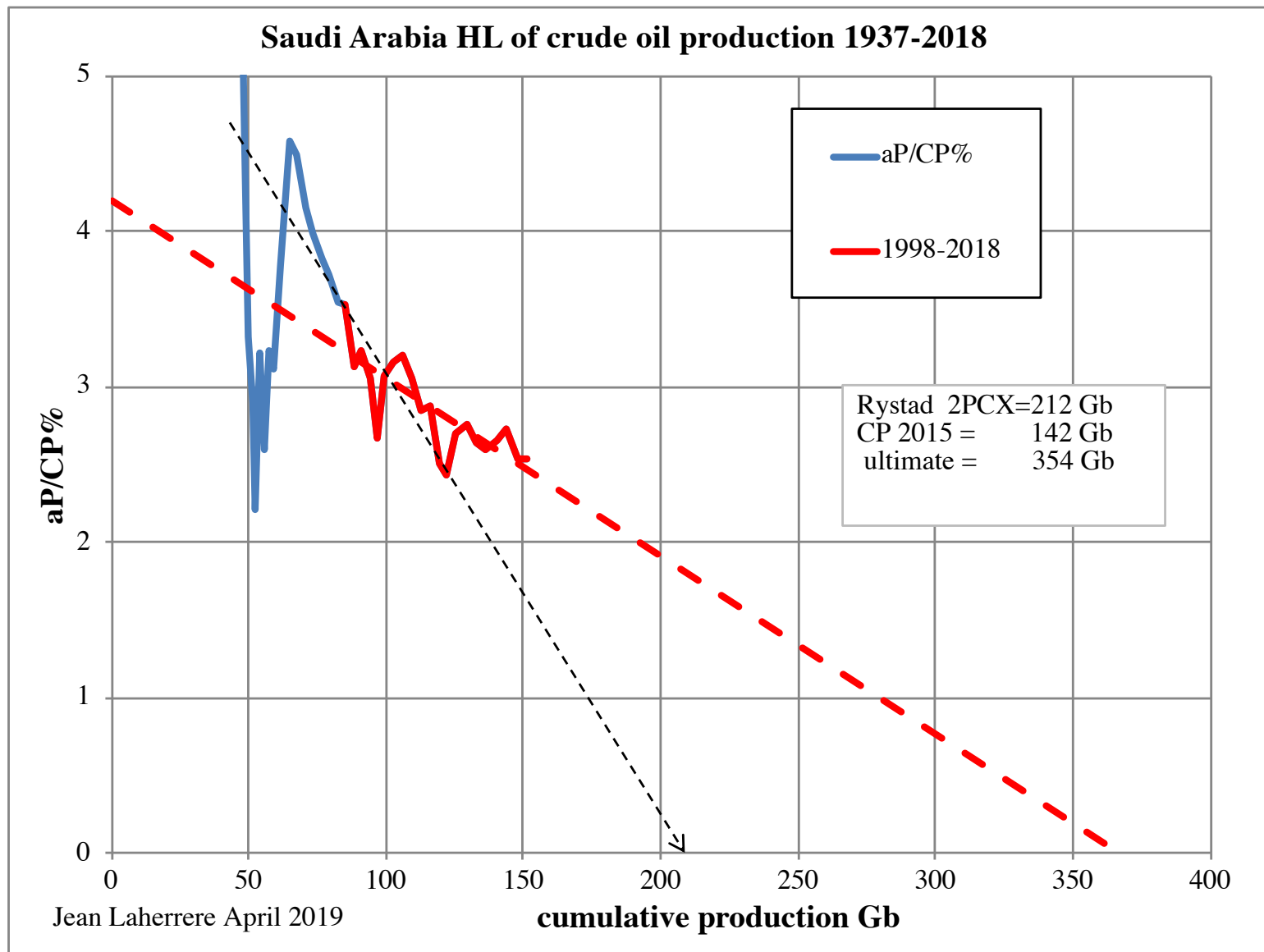


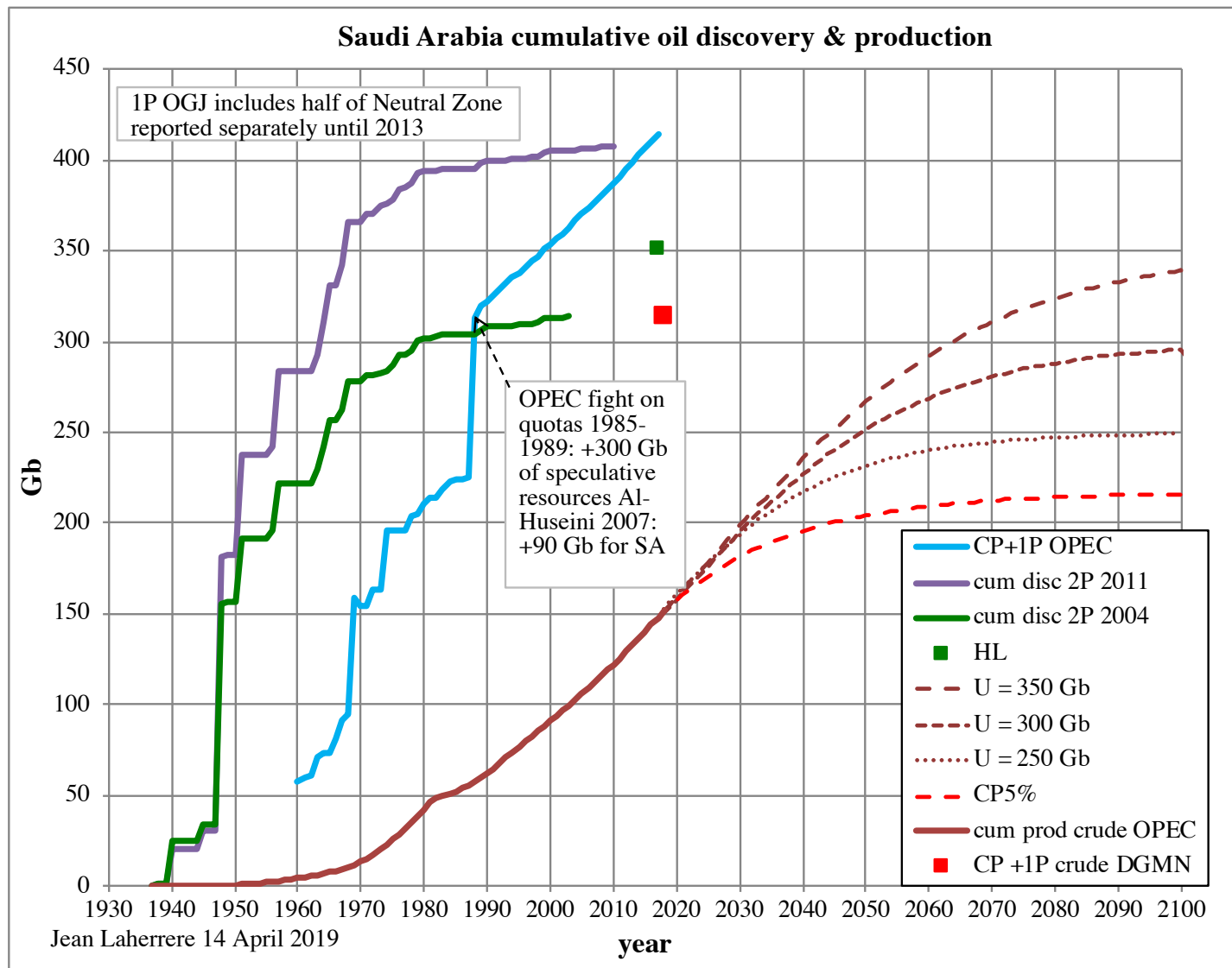


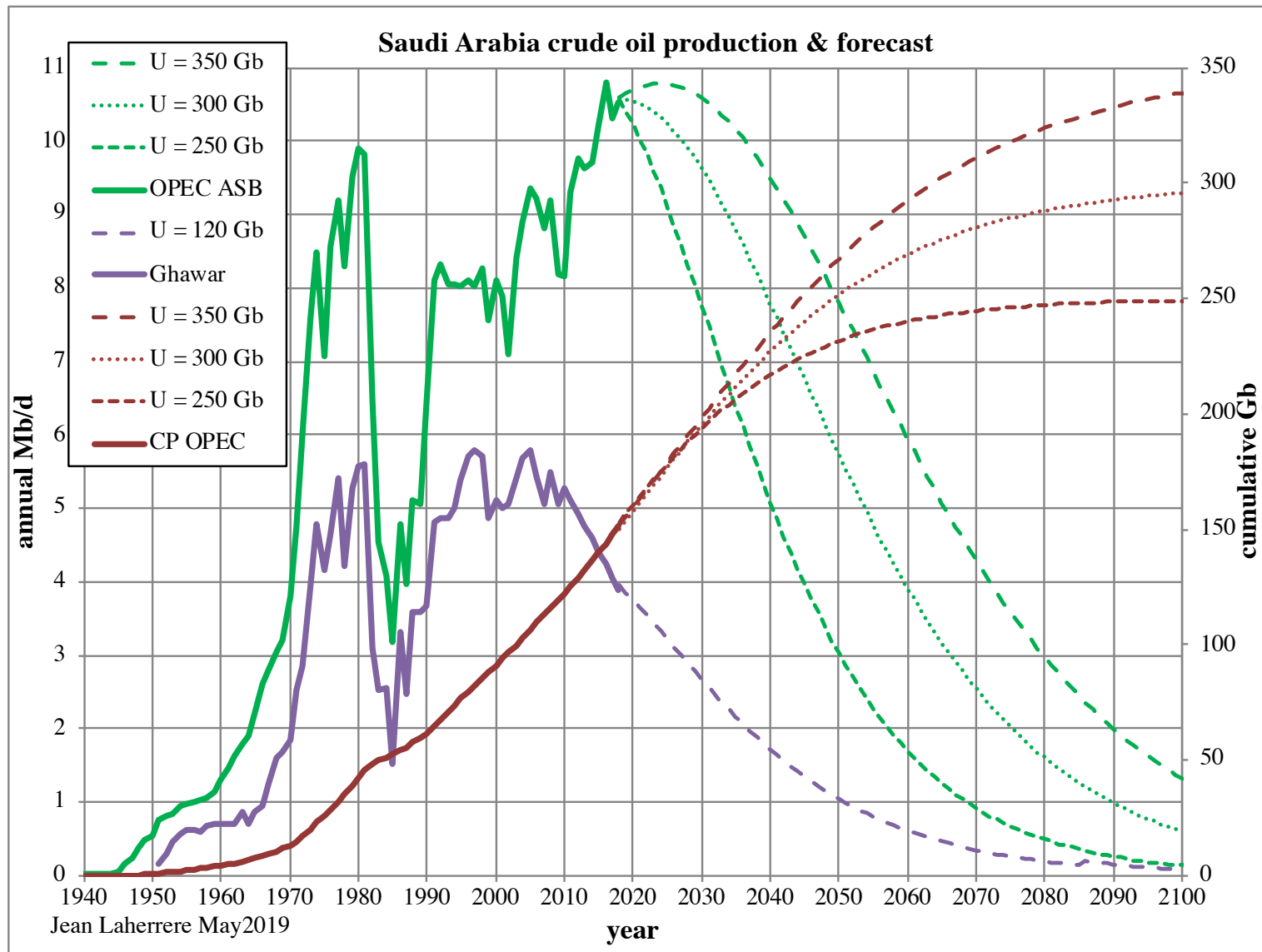
Saudi Arabia oil production b/t from different sources











-Manifa

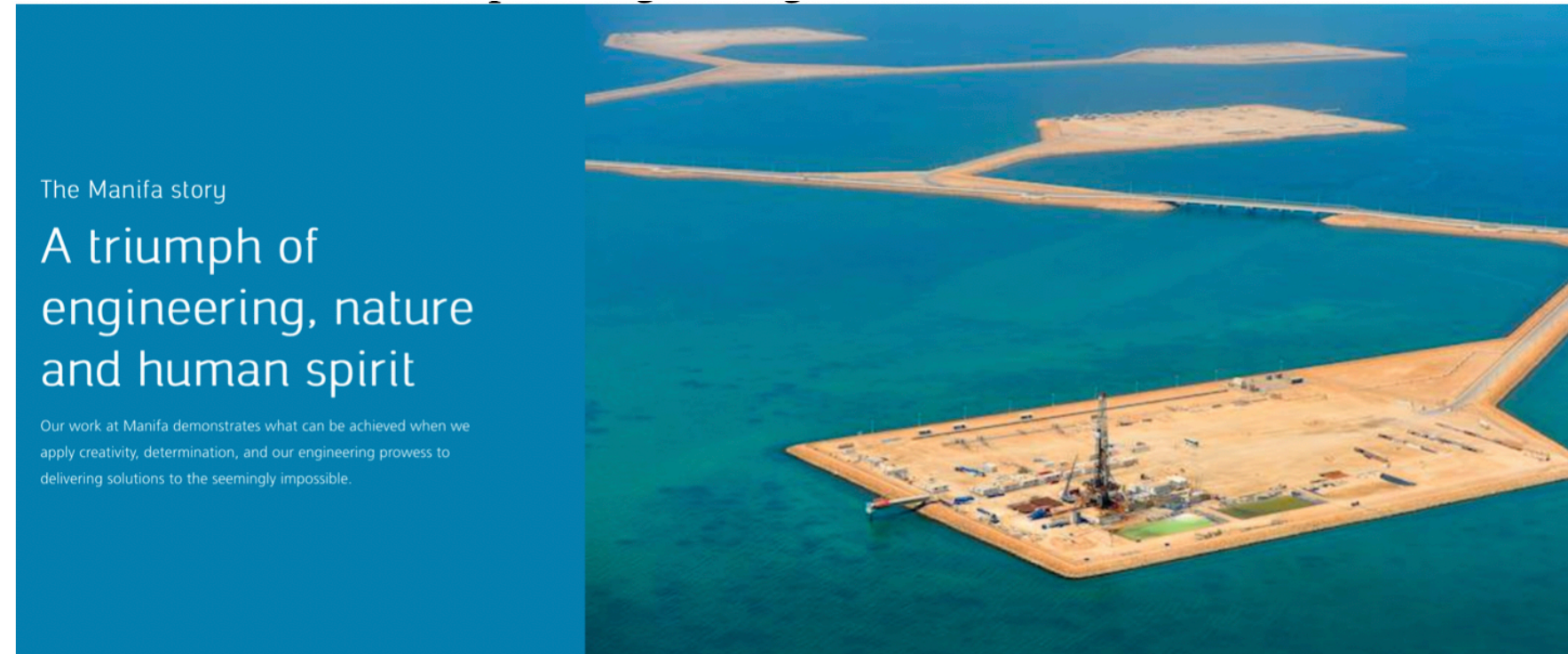
Manifa discovered in 1957 is huge (45 km x 18 km) with six reservoirs, but poor reservoirs, heavy oil and expensive development.

Production (capacity 125 000 b/d) occurs from 1964 to 1984:

Production resumes in 2013 with 350 wells from 27 man-made drilling islands & 13 offshore platforms, interconnected by a causeway of 41 km, for a cost over 10 G\$.

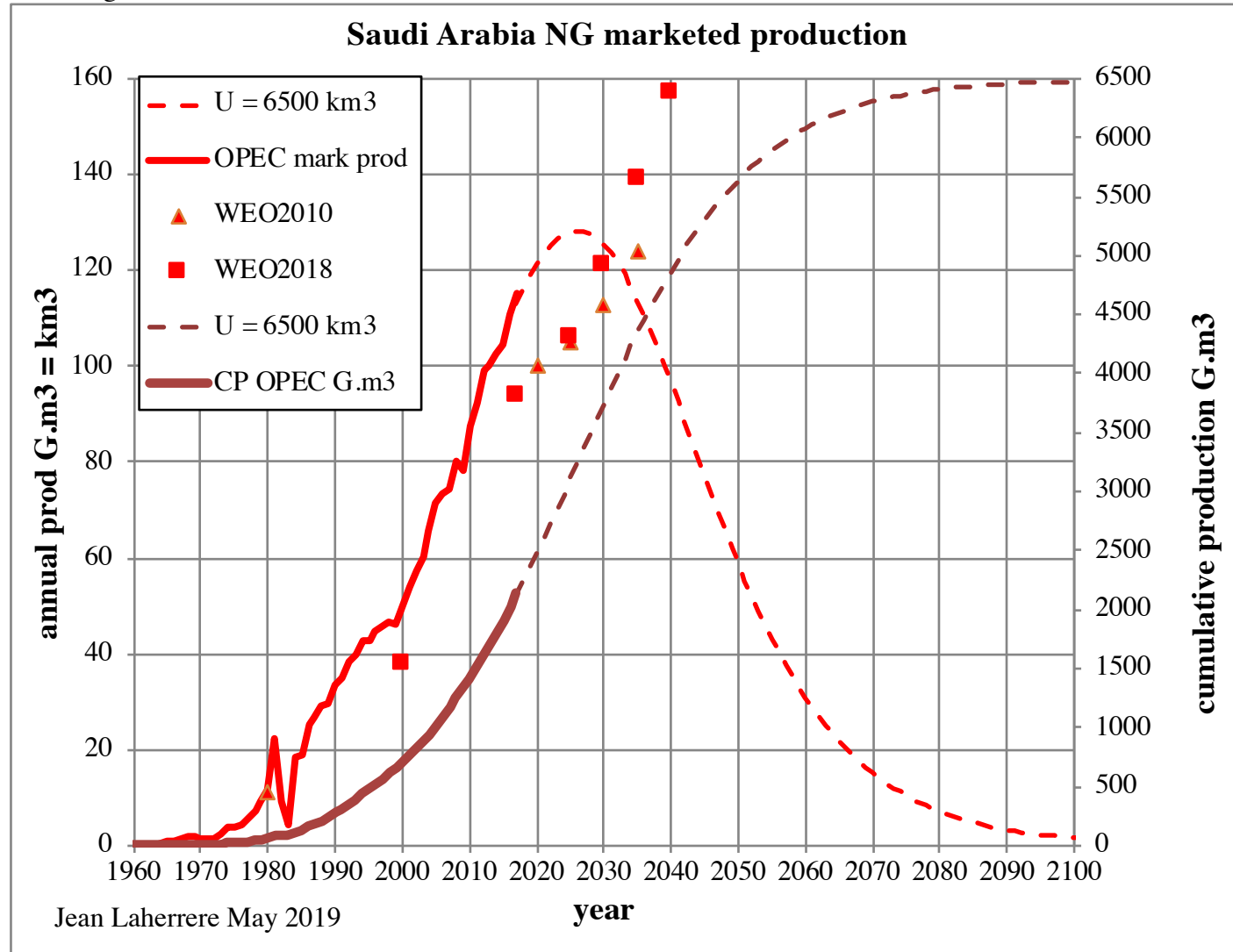
AR 2015 reports a production capacity of 0.9 Mb/d, but AR 2016 and 2017 does not mention Manifa anymore.

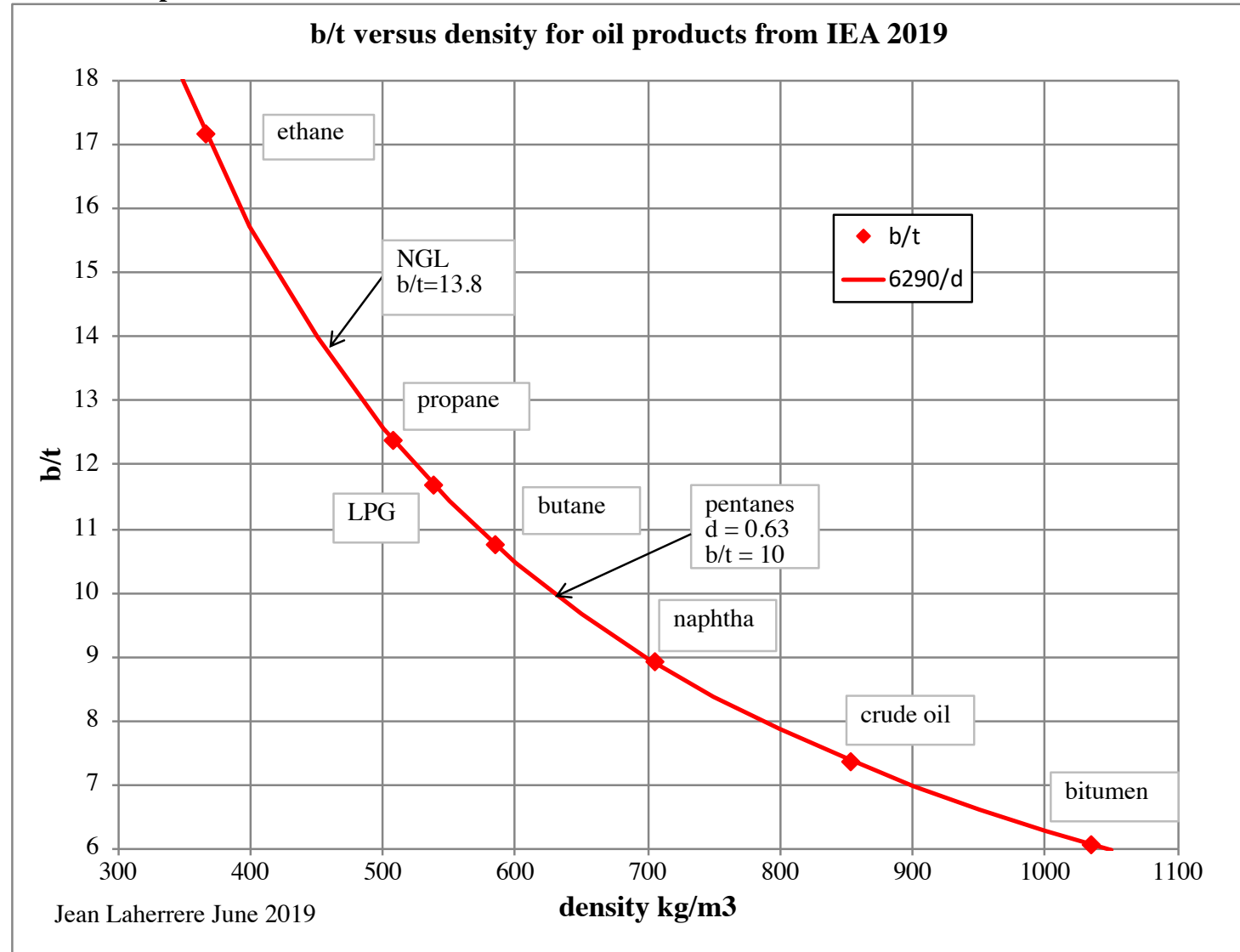
Manifa is stated as a triumph of engineering!

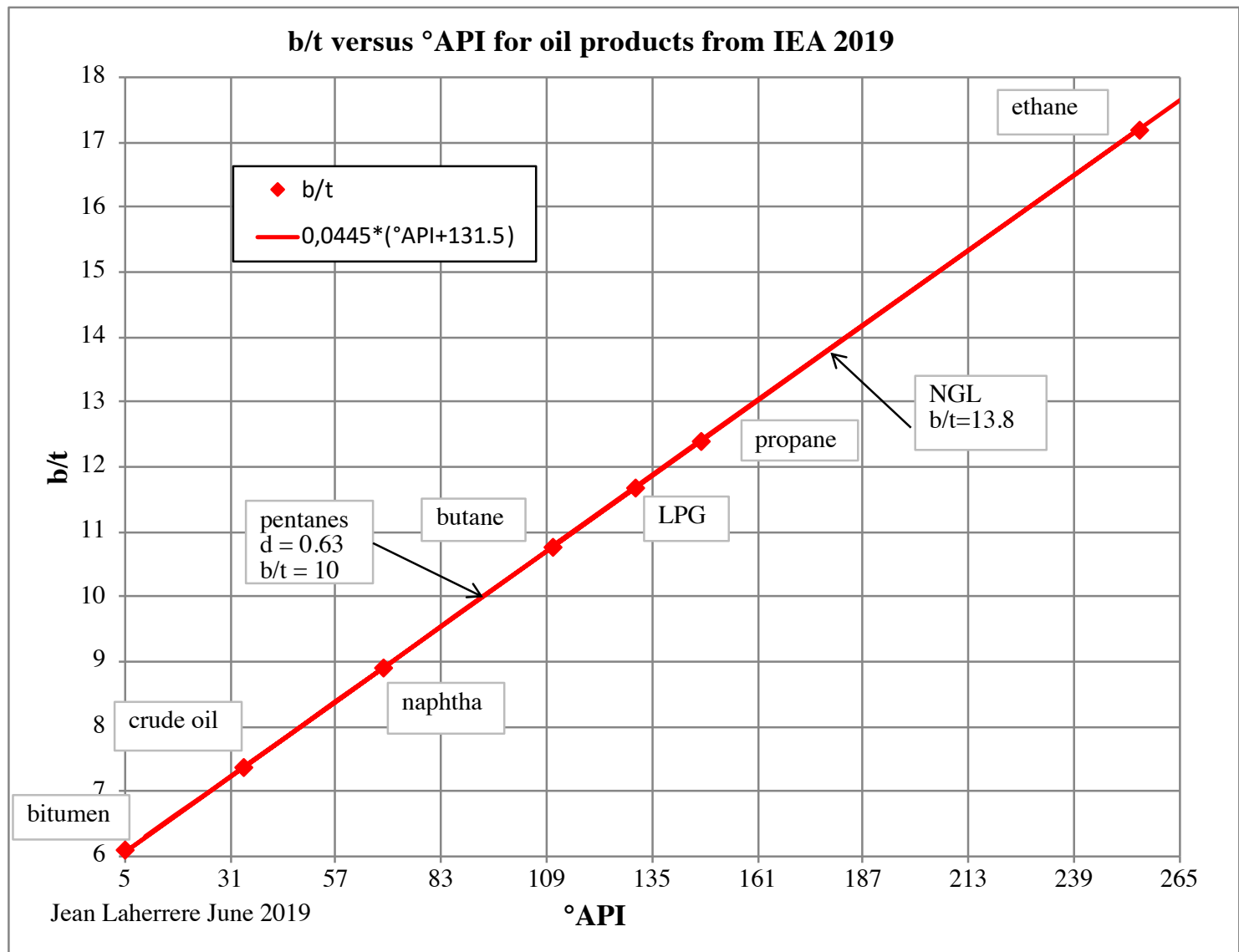


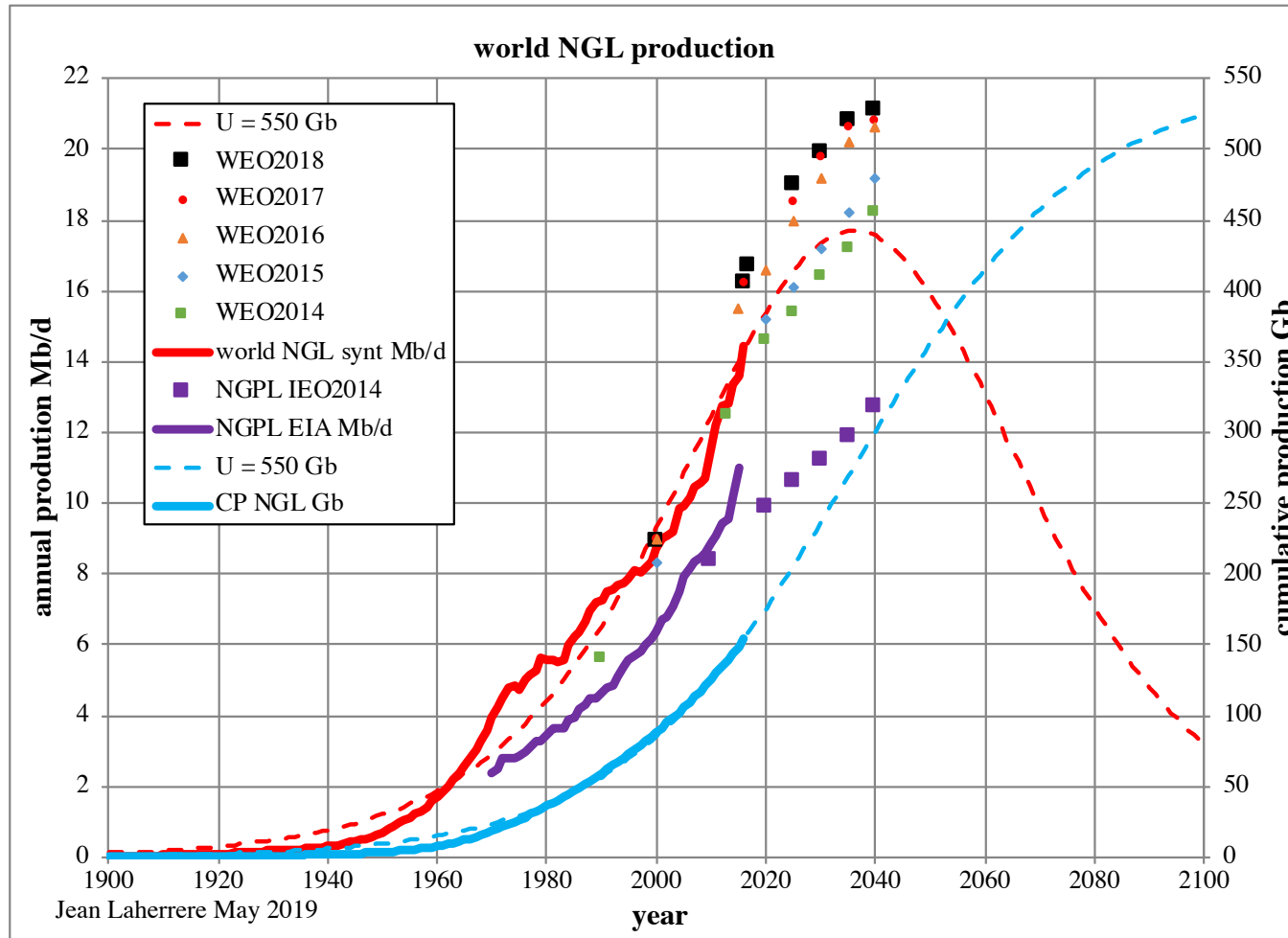
It seems that corrosion problems occur in 2017 in the water injection.
There is no data on present Manifa oil production

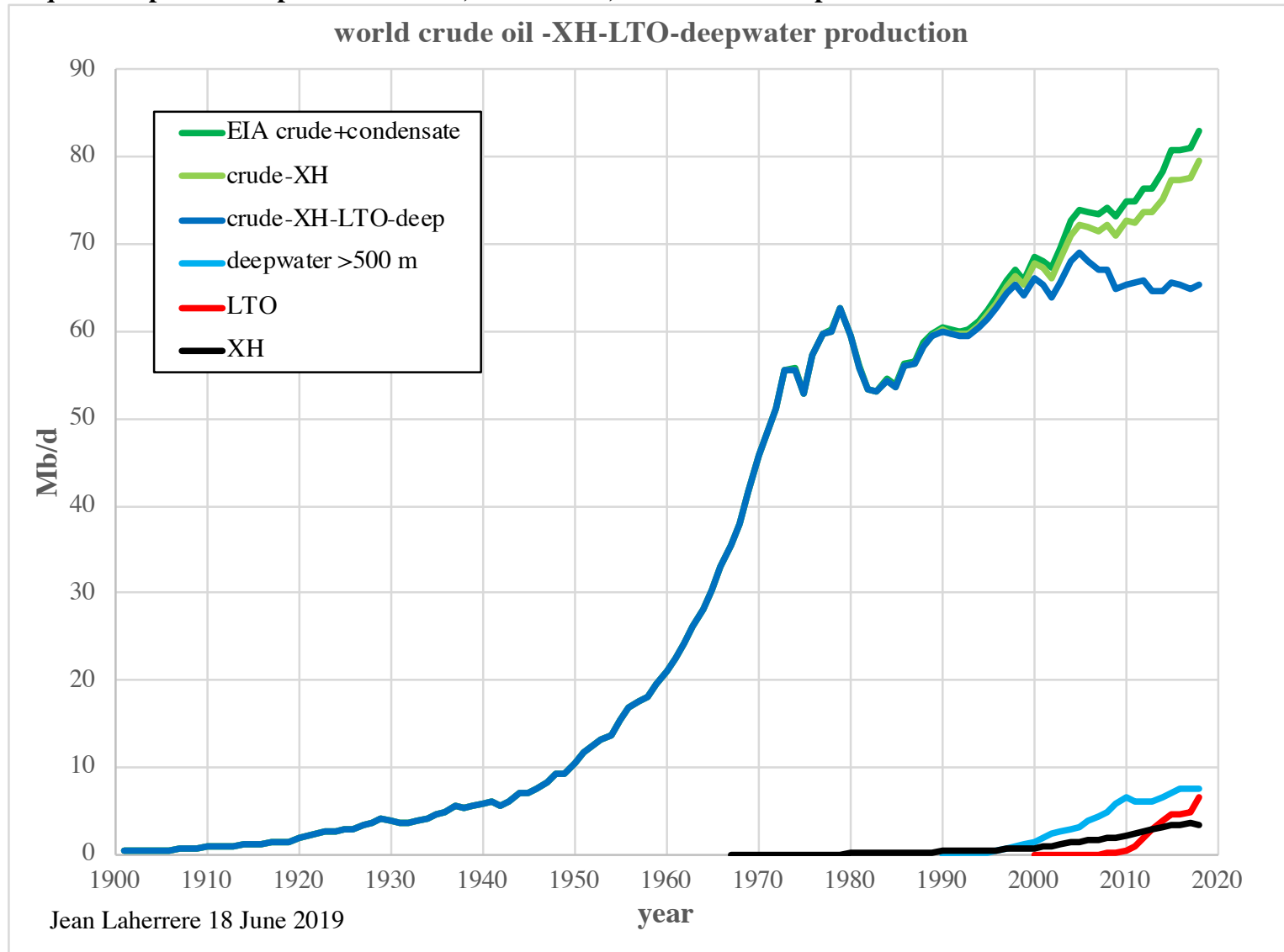
-natural gas

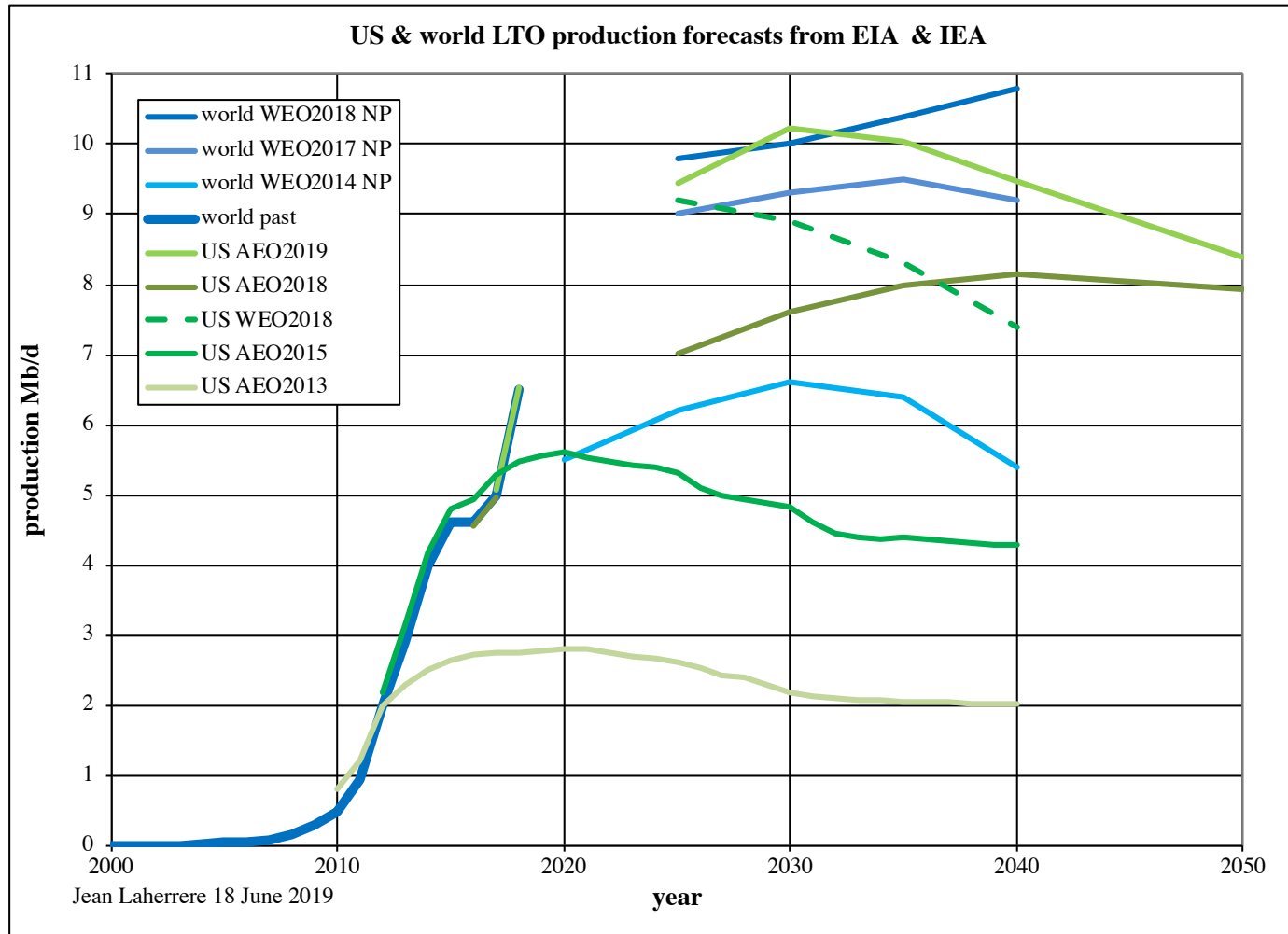












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