

TECNOLOGÍAS ALTERNATIVAS 

FUTURO PETROLERO

PETROAMAZONAS 2019

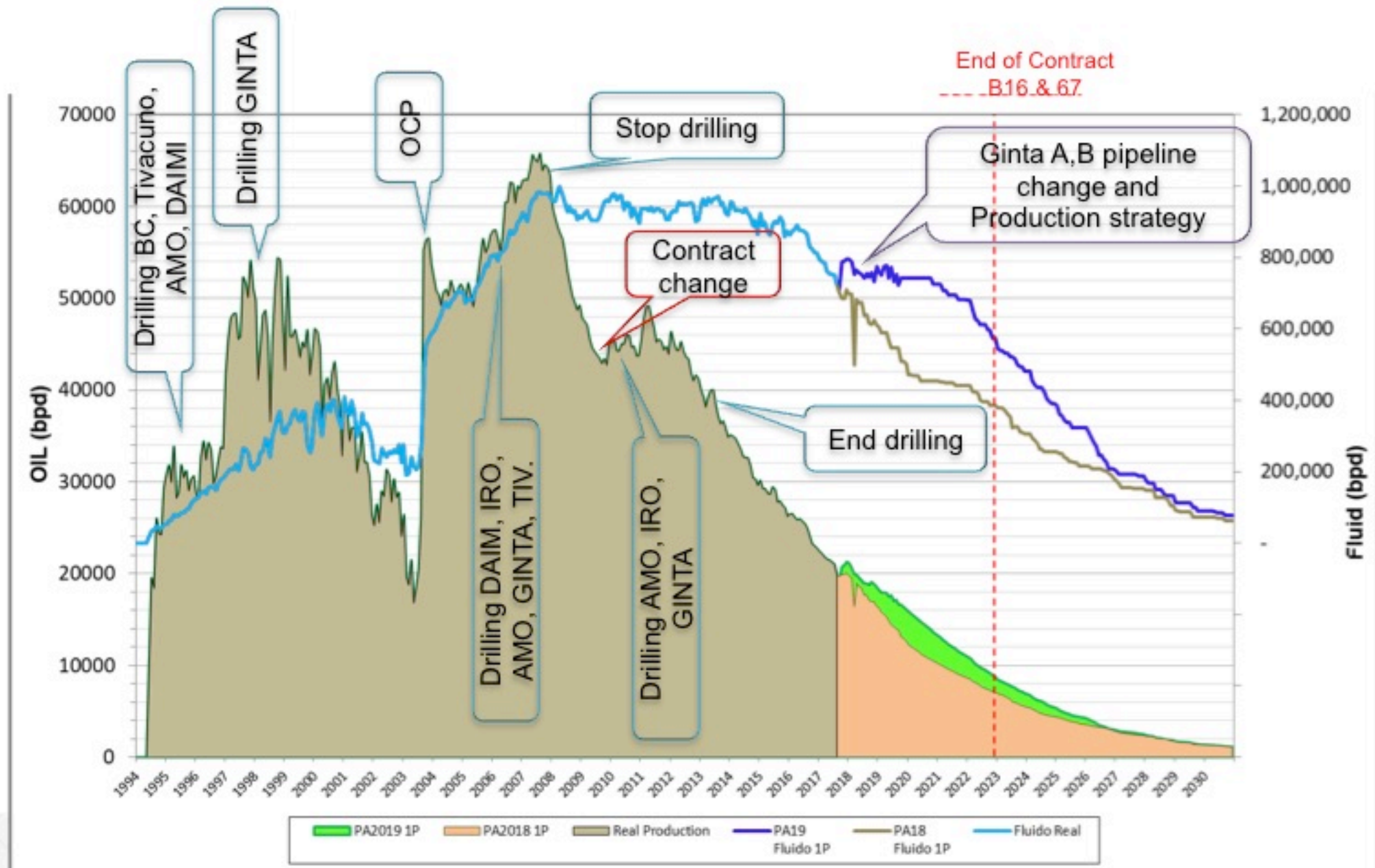


Gestión de Campos Maduros Bloque 16 - Introducción

Ney Orellana
Repsol

Historia de Producción y Reservas

Desarrollo y Retos





Campo Maduro

Indicadores de Madurez

1. **Depletion Factor** : $N_p/EUR > 75\%$?

Block-16&67 N_p/EUR @ time = **90%***

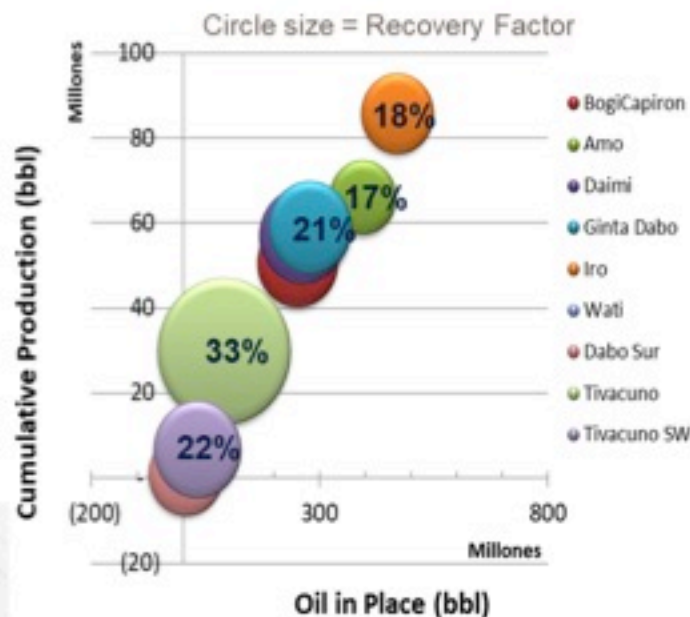
2. **WOR** > 10 or 20 ?

Block-16&67 Current WOR = **37***

Block-16&67 WOR @ EUR = **48***

3. **Index of Maturity**

$IM = 1 - (2Preserves / (N_p - 2Preserves))$ **IM = 0.93****



WATER OIL RATIO



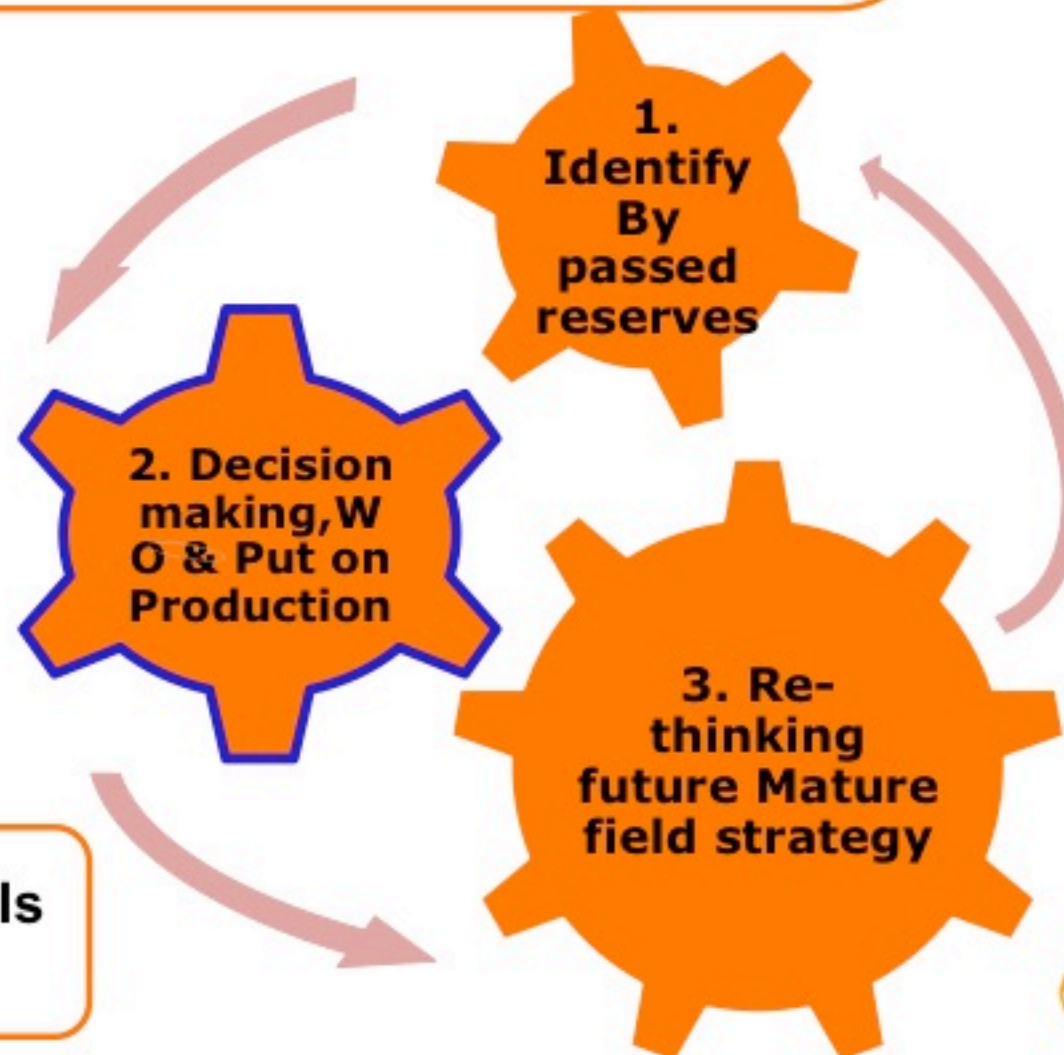
* SPE185585-MS
** SPE184937-MS

Acquired updated information

Cased Hole Logging
Rig & Rigless
- Pulse Neutron
- Casing/Cement

- Build up
- Echometer
- ILT

Abandoned Wells
Reactivation

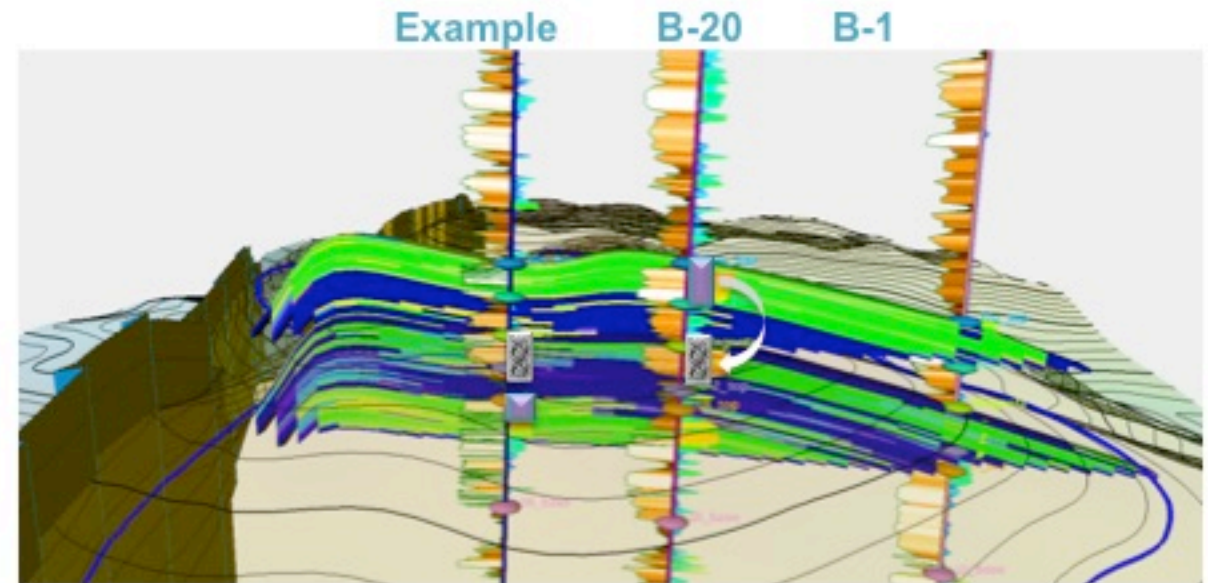


Increase
Asset Value

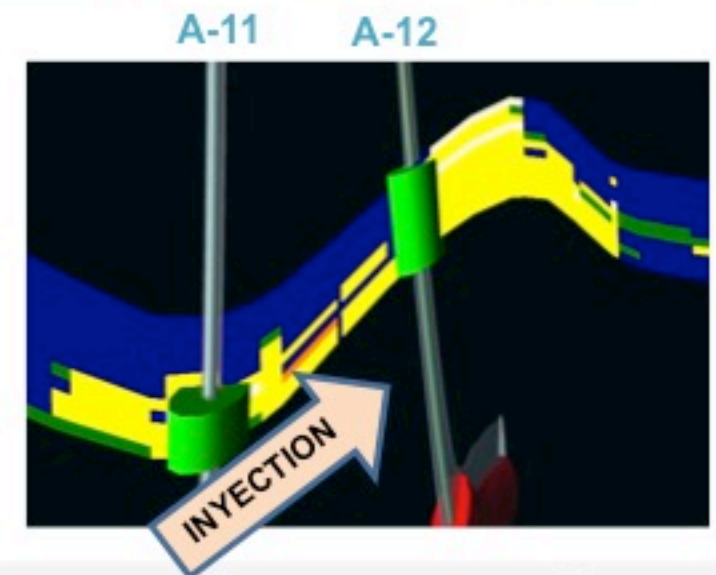


paper: IBP1042_18

- ❑ Pozos Abandonados:
 - Recompletaciones
 - Reactivaciones
 - Water shutoff
 - Piloto de Inyección



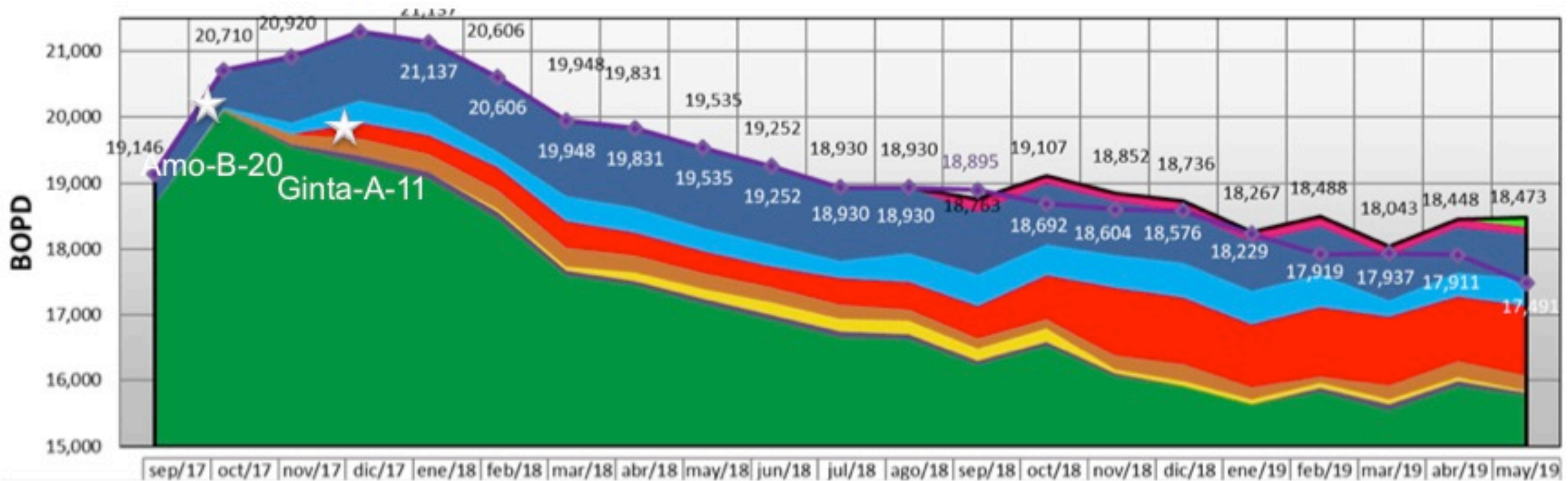
- ❑ Pozos Activos:
 - Recompletaciones
 - Upsizing (BES):
 - Productores <100 bbl
 - Bombeo Jet





Gestión de Yacimientos

Producción Incremental de "Quick Wins"



Leyenda

- REC. 2019
- REC. 2018
- REC. 2017
- UPSIZING
- REAC.
- W <100BLS
- SEC. AMO
- JET PUMP
- WSO
- BASE
- TOTAL
- UPA 8/4

Incremento de Reservas: 3.6 Mbbbl @ 2022

Inversión & WO: ~\$3 + ~\$5 MUSD

Acumulado Petróleo: 1.5 Mbbbl

Fluido Incremental/día: ~ 60 Kbbbl/día => ~ 6 MW/día

#Wells: 7 Rec + 26 WO

TECNOLOGÍAS ALTERNATIVAS

FUTURO PETROLERO

PETROAMAZONAS 2019



Gracias

