



**MEEI**  
**Republic of**  
**Trinidad & Tobago**  
**Non Associated Gas**  
**Reserves & Resources Certification**  
**Year End 2018**

Herman Acuna  
Executive Vice President  
Member – Board of Directors

Ryder Scott Company  
Petroleum Consultants

Houston    Denver    Calgary





# RSC's Proven Worldwide Record

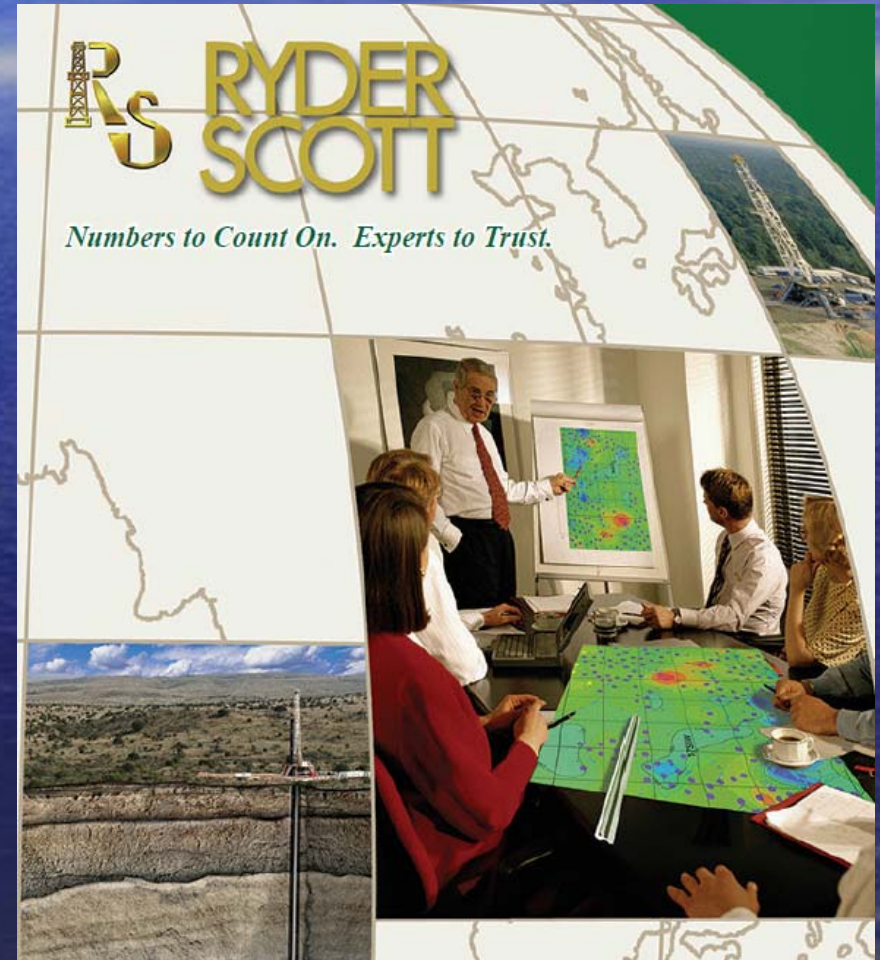


- Founded in Bradford, PA. – USA 1937
- Independent, Employee Owned
- Conducting independent gas audit for T&T since 2000



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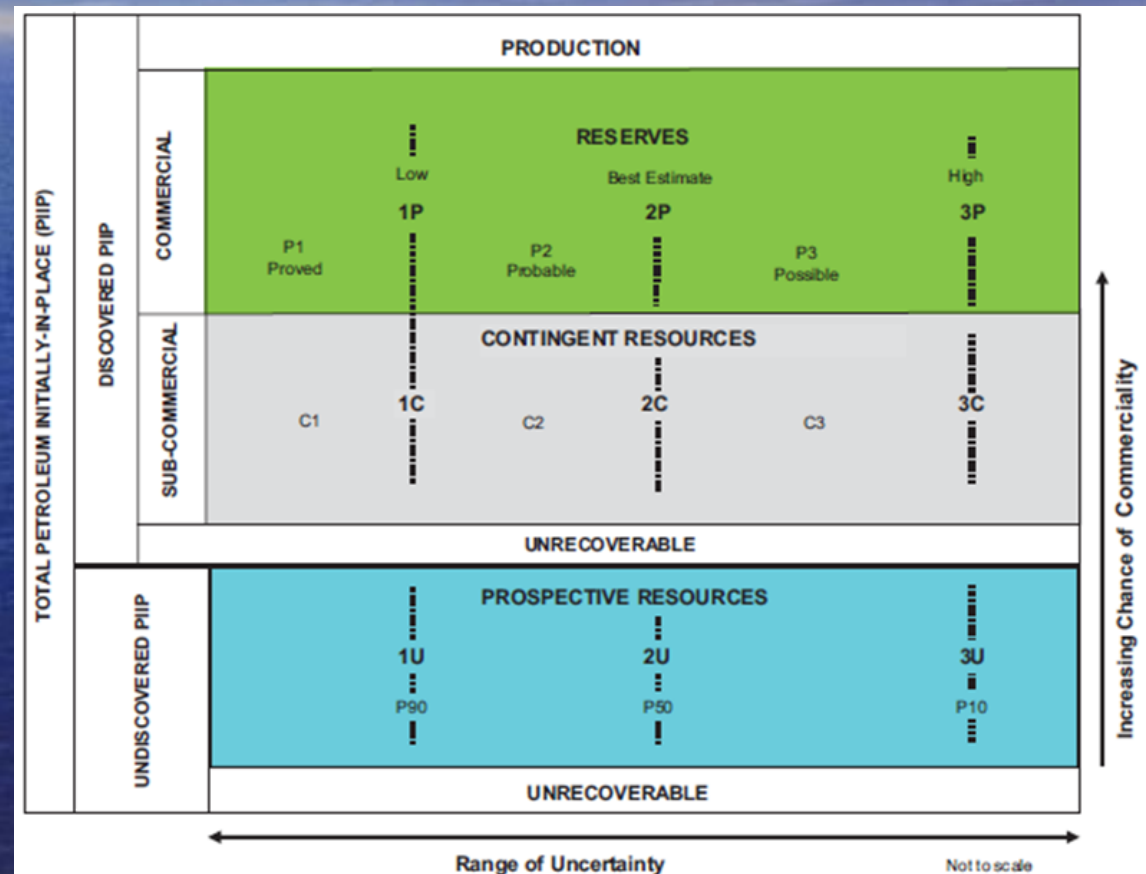
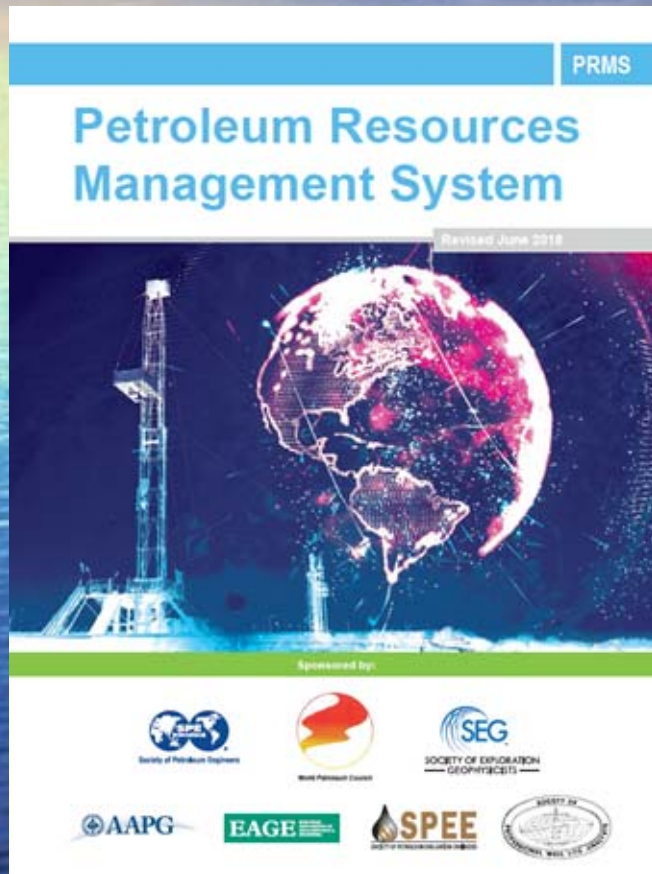
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# SPE/WPC/AAPG/SPEE

## Reserves & Resources Classification System



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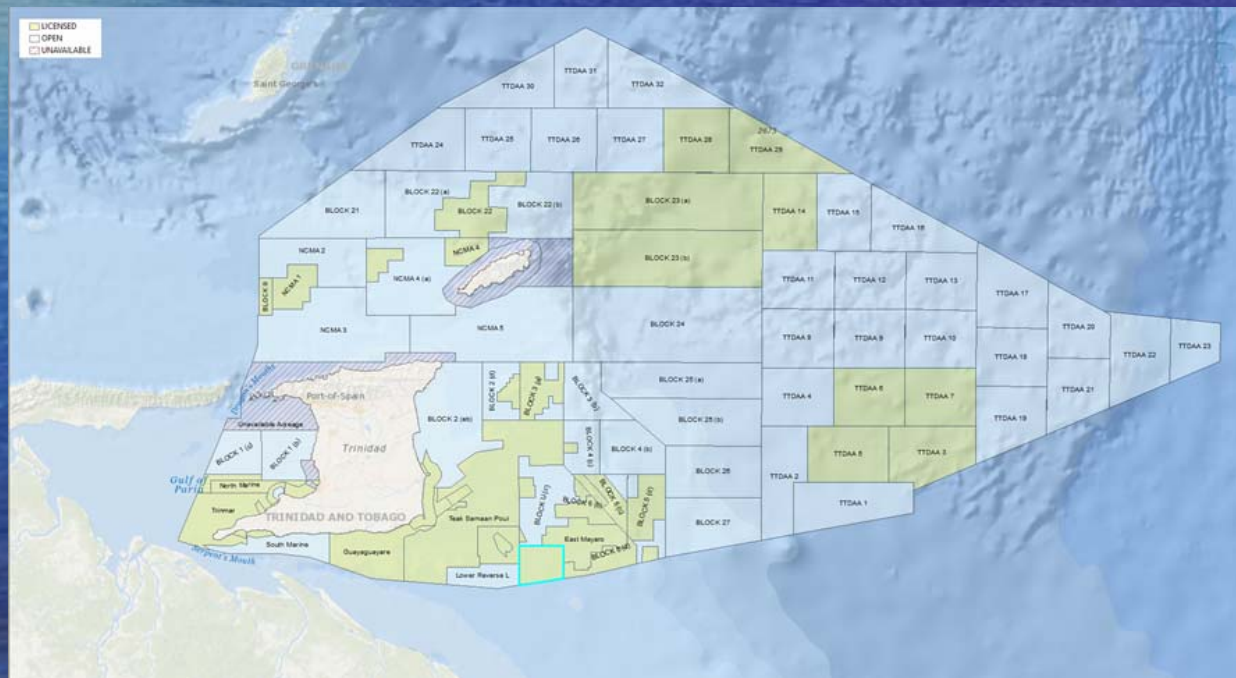




# Audited Operators



- bp Trinidad & Tobago (bpTT)
- BHP Billiton Trinidad & Tobago (BHP)
- DeNovo
- EOG Resources Trinidad Ltd (EOG)
- Perenco
- Shell Trinidad & Tobago Ltd (Shell)
- Trinity Exploration
- Open Areas

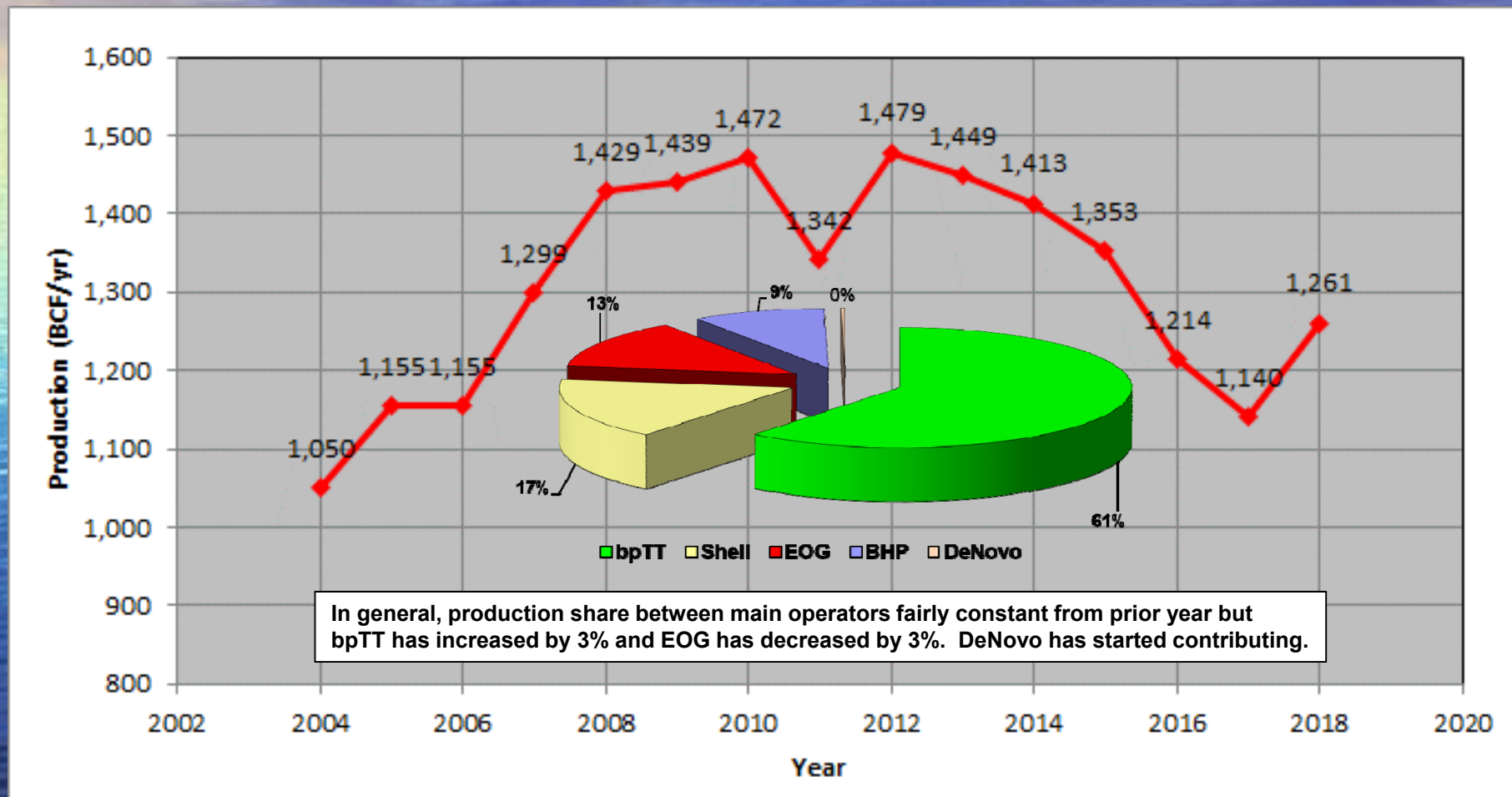


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# Yearly Gas Production (BCF)



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# UNRISKED GAS RESERVES AND RESOURCES GRAND COUNTRY TOTALS (BCF)



<u>YEAR</u>	<u>PROVED</u>	<u>PROBABLE</u>	<u>POSSIBLE</u>	<u>EXPLORATION</u>
2007	16,997	7,883	5,888	31,253
2008	15,374	8,451	6,286	29,641
2009	14,416	7,837	5,893	25,990
2010	13,460	7,642	5,995	25,978
2011	13,257	6,035	6,158	30,452
2012	13,106	6,142	5,987	31,616
2013	12,240	5,526	6,116	39,867
2014	11,503	5,470	5,721	43,753
2015	10,601	5,274	4,933	43,052
2016	9,917	5,379	4,722	42,846
2017	10,515	6,127	5,392	57,245 (Inc. Deep Water)
2018	10,526	6,470	6,508	52,997 (Inc. Deep Water)

Note: These are unrisks reserves and resources. Unrisks reserves and resources of different categories are not directly comparable.

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# Deep Water Results

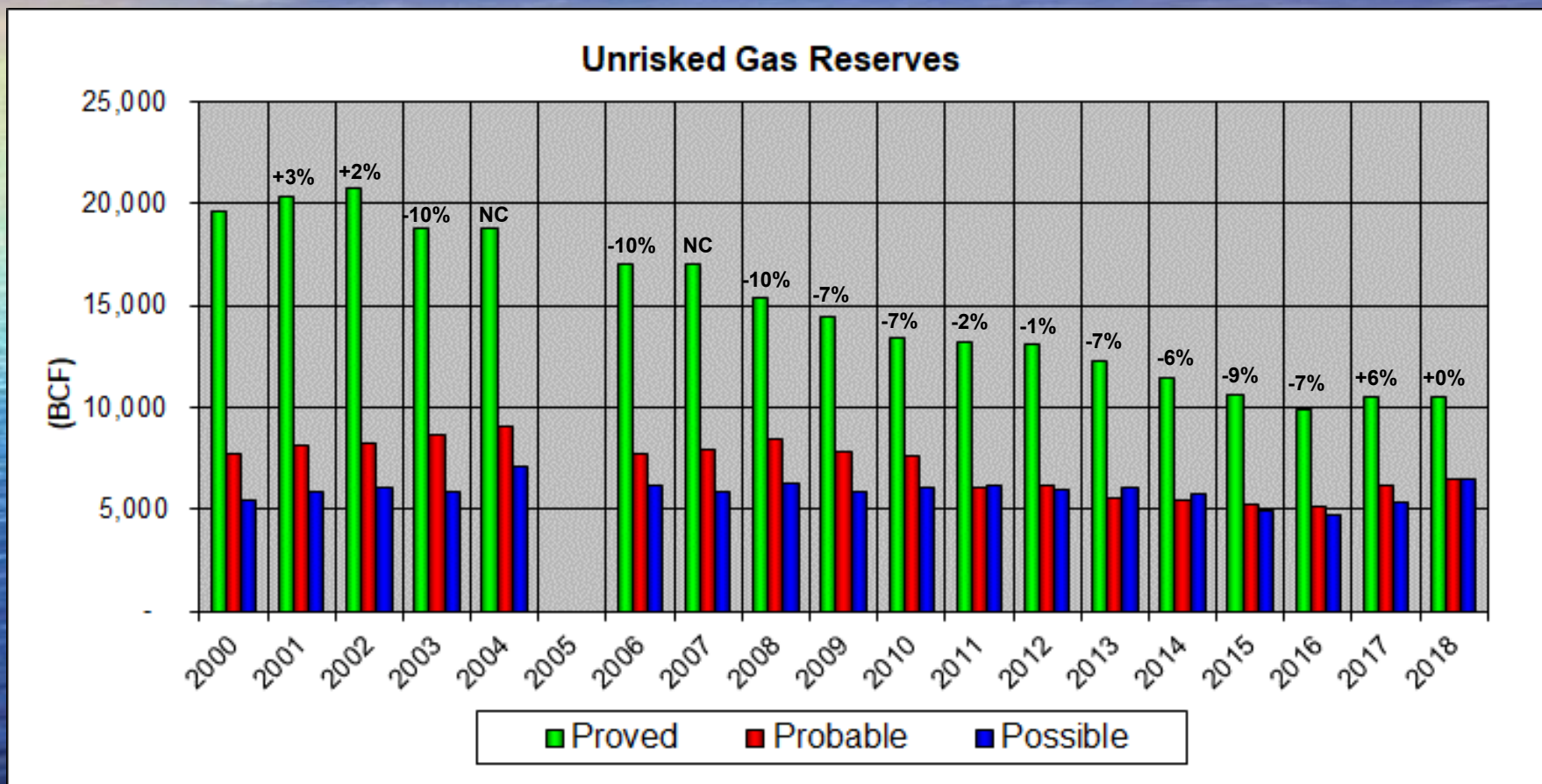


- In 2018, BHP had success with the Bongos and Victoria deep water exploration wells
- In Block TTDA 14, the Bongos-2 well penetrated its prospective targets, and the targets were gas productive
- In Block TTDA 5, the Victoria-1 well penetrated its prospective targets.
  - The deep Miocene and one Pleistocene targets were unsuccessful
  - One Pleistocene target associated with anomalous seismic amplitudes resulted in gas discoveries
- Success of future deep water opportunities critical to commerciality





# UNRISKED GAS RESERVES GRAND COUNTRY TOTALS (BCF)



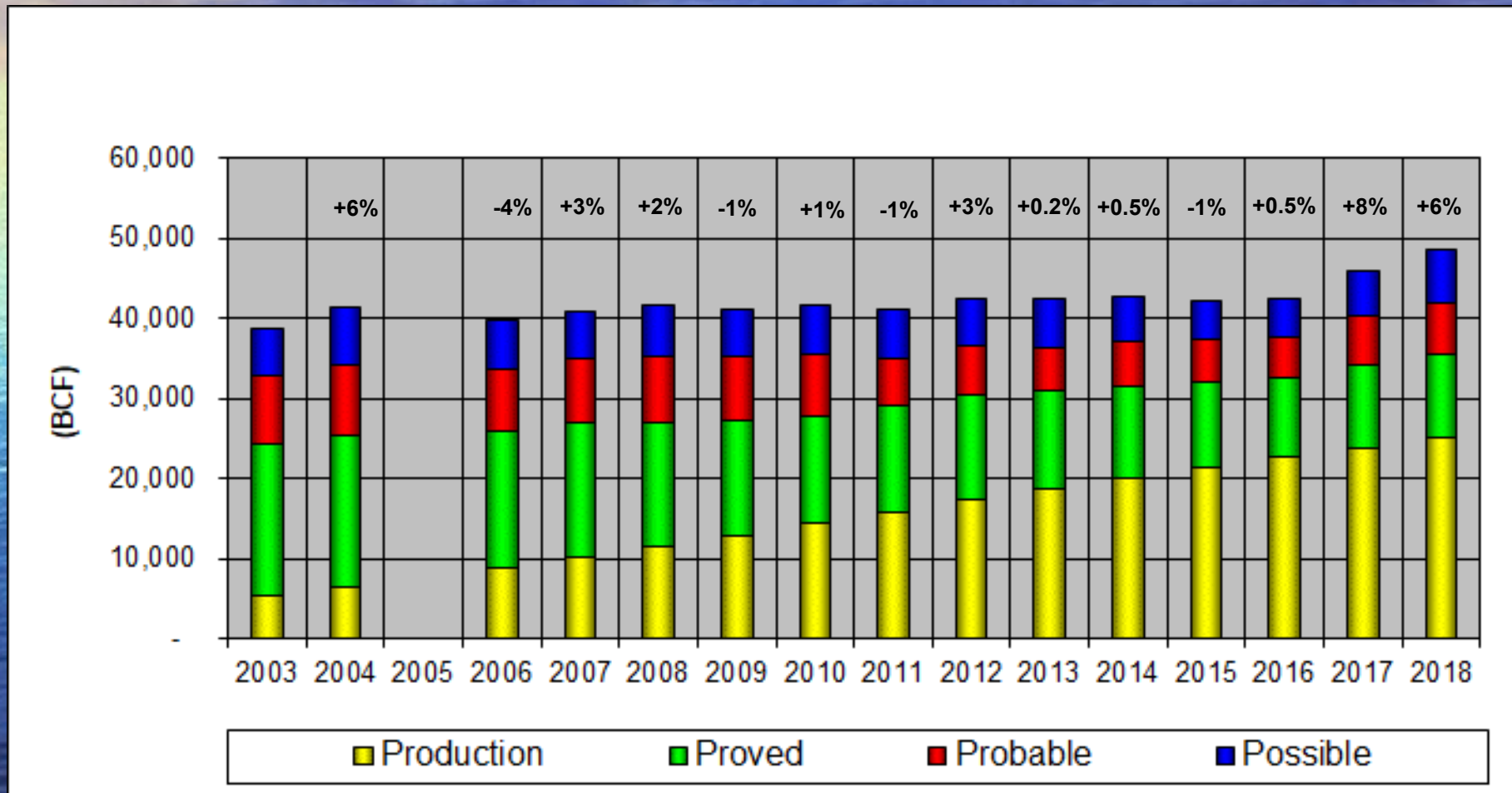
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# UNRISKED GAS 3P RESERVES AND CUMULATIVE PRODUCTION GRAND COUNTRY TOTALS (BCF)



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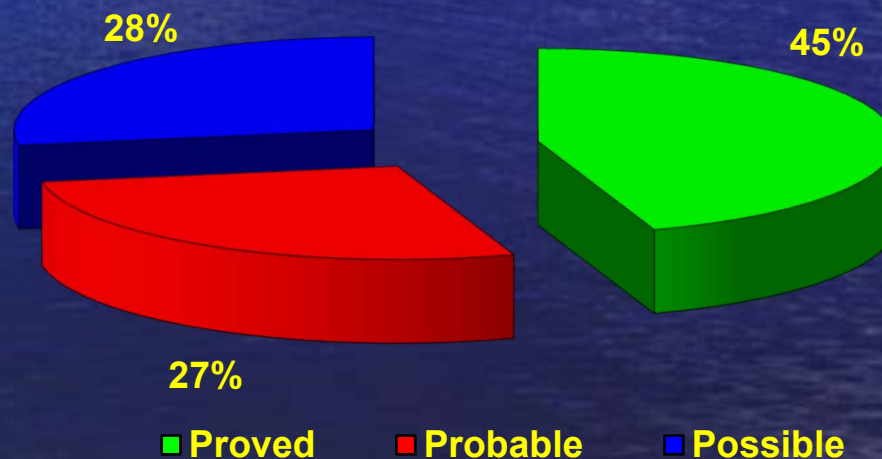
# 2018 Highlights



- Proved reserves remained unchanged in 2018
- Significant new additions from the Kapok, Mahogany, Bongos, and Victoria fields
- Iguana field put on production

## 2018

- Production: 1,261 BCF
- Proved: 10,526 BCF
- Probable: 6,470 BCF
- Possible: 6,508 BCF







Thank you for your attention.

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