

# UNFC Workshop

*Why classify resources?*

*Sigurd HEIBERG*

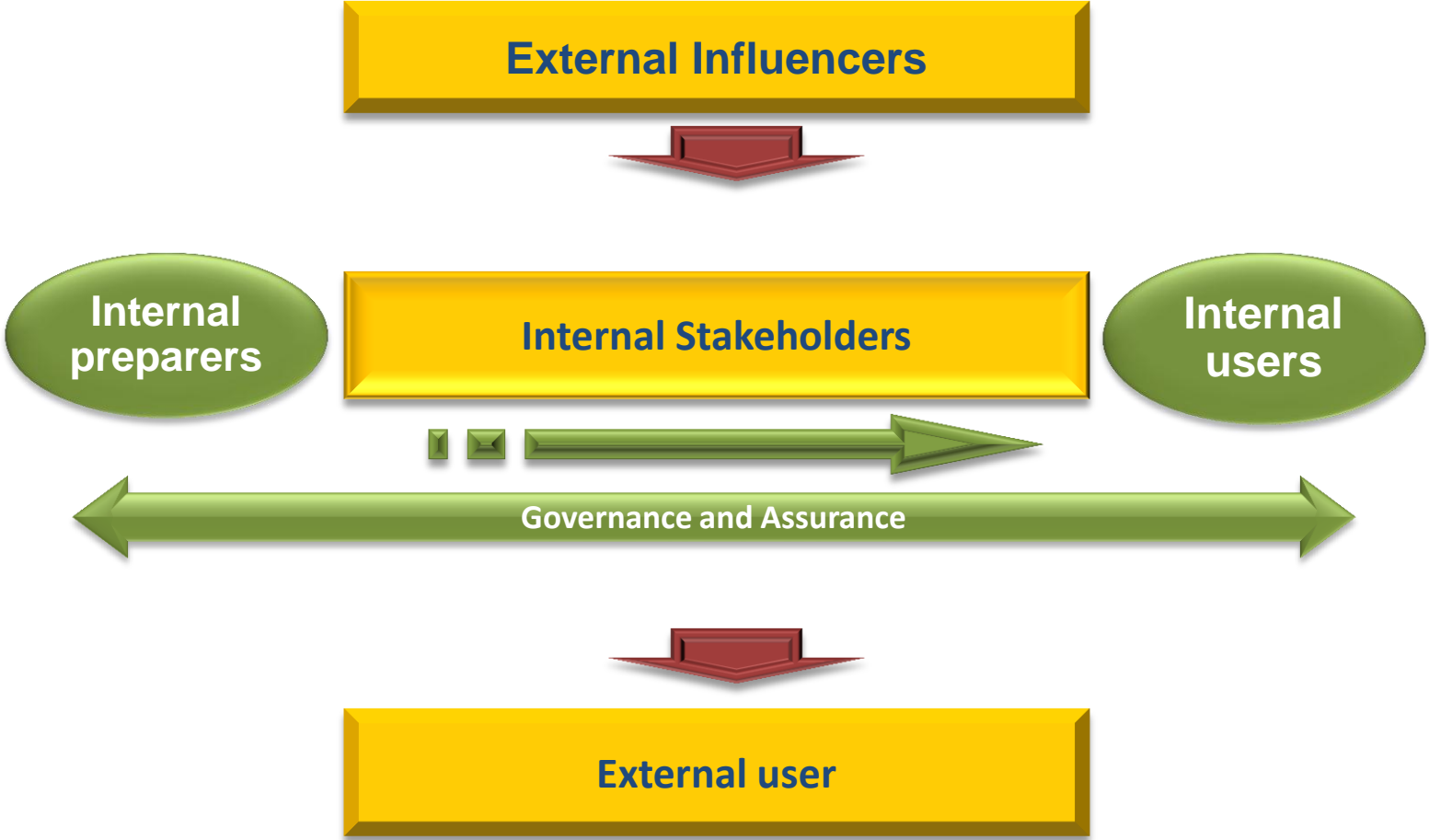
*Statoil*

*UNFC Workshop*

*Geneva, 23 April 2013*



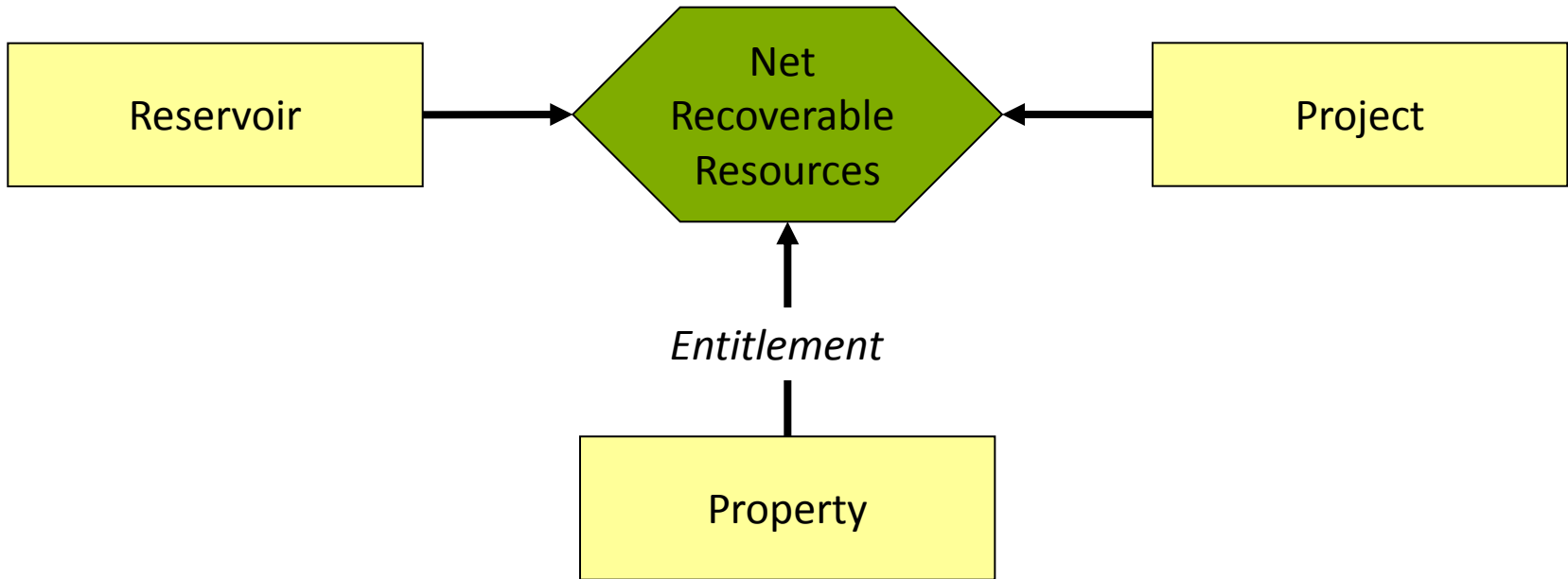
# Stakeholders of our Reported Resources



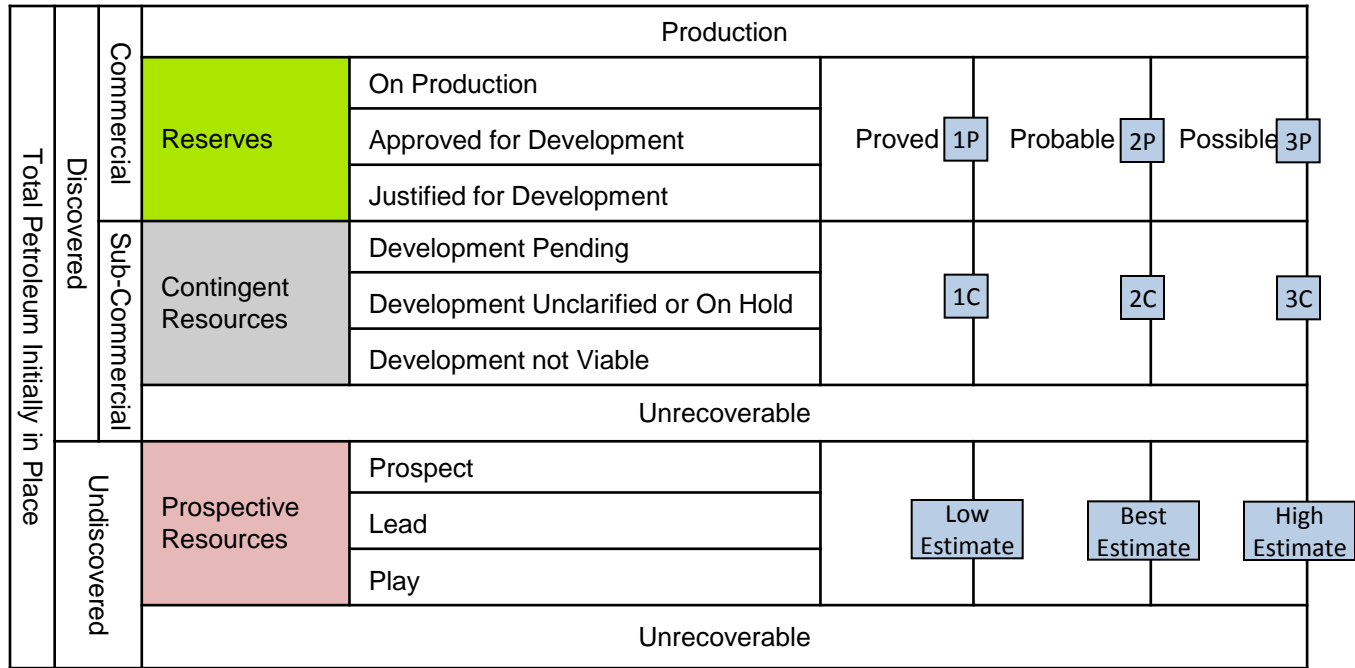
# Principles for Resource Identification

- Project based
  - Project management
- Classification of total volume
- Clear boundaries between categories
  - Discovered recoverable quantities
  - Commercial recoverable quantities
  - Future non-sales production (emissions)
- Coherence with energy statistics

# Resource Evaluation Data Sources



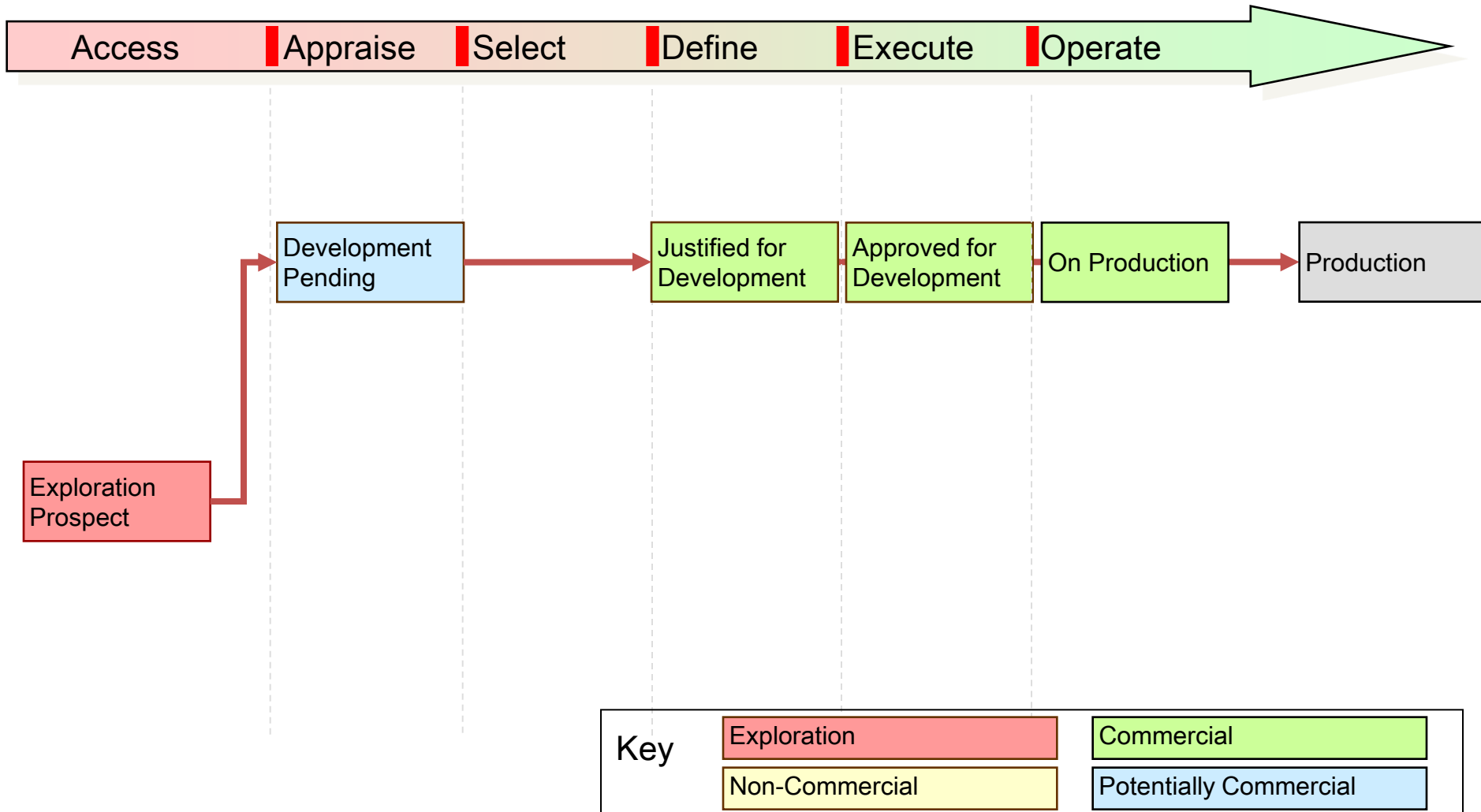
# PRMS Classification Framework



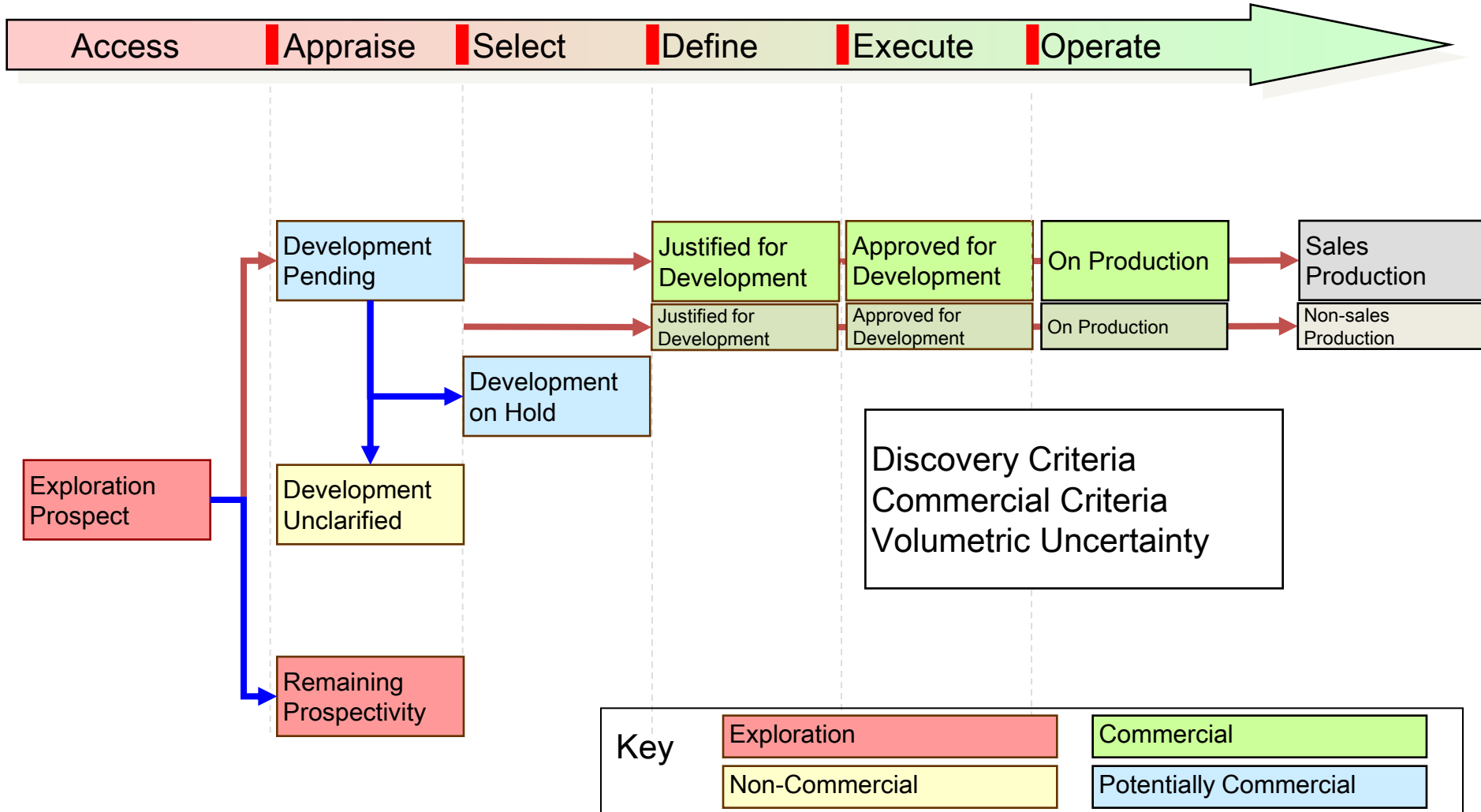
Increasing Chance of Commerciality

Range of Uncertainty

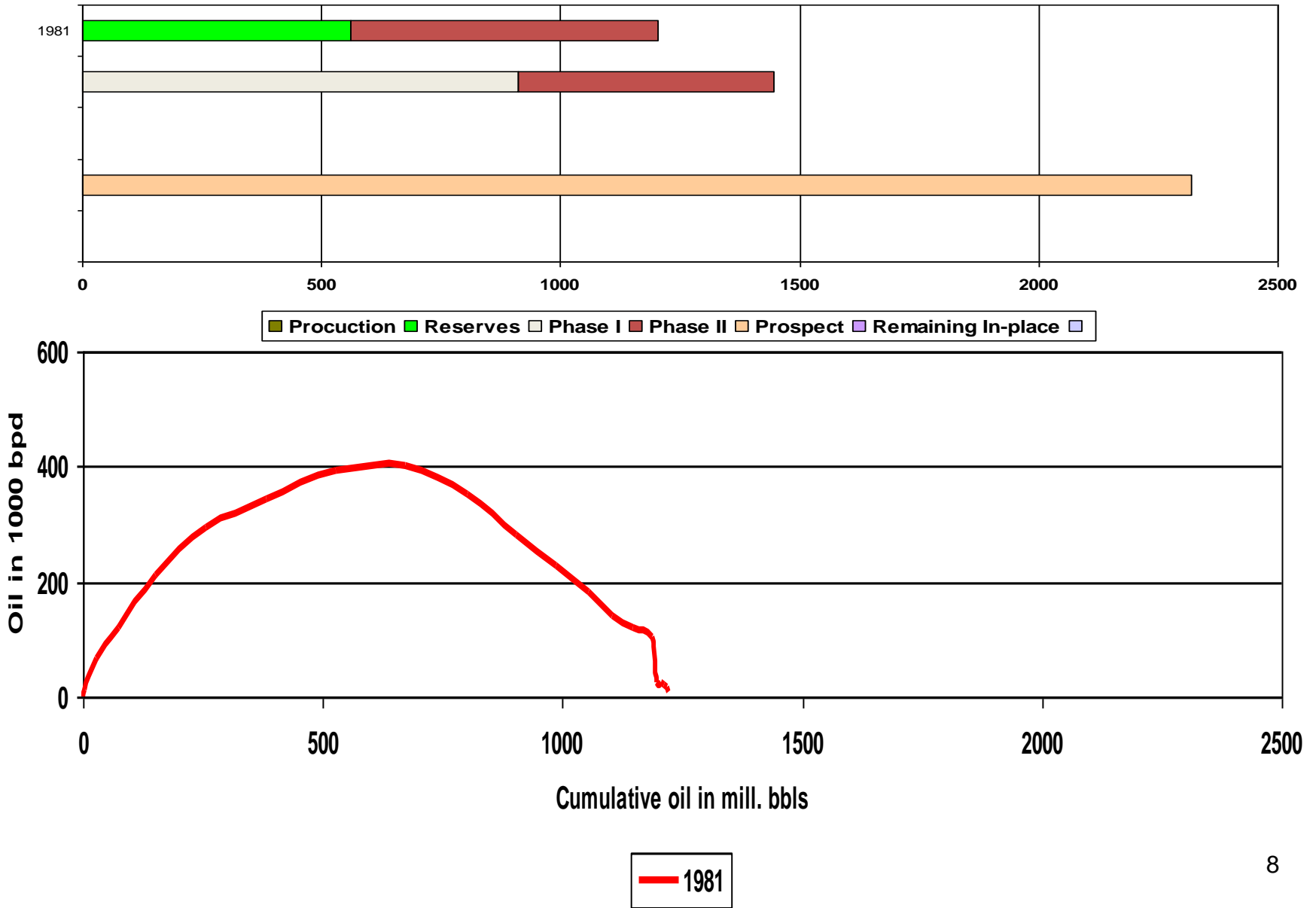
# Resource Progression



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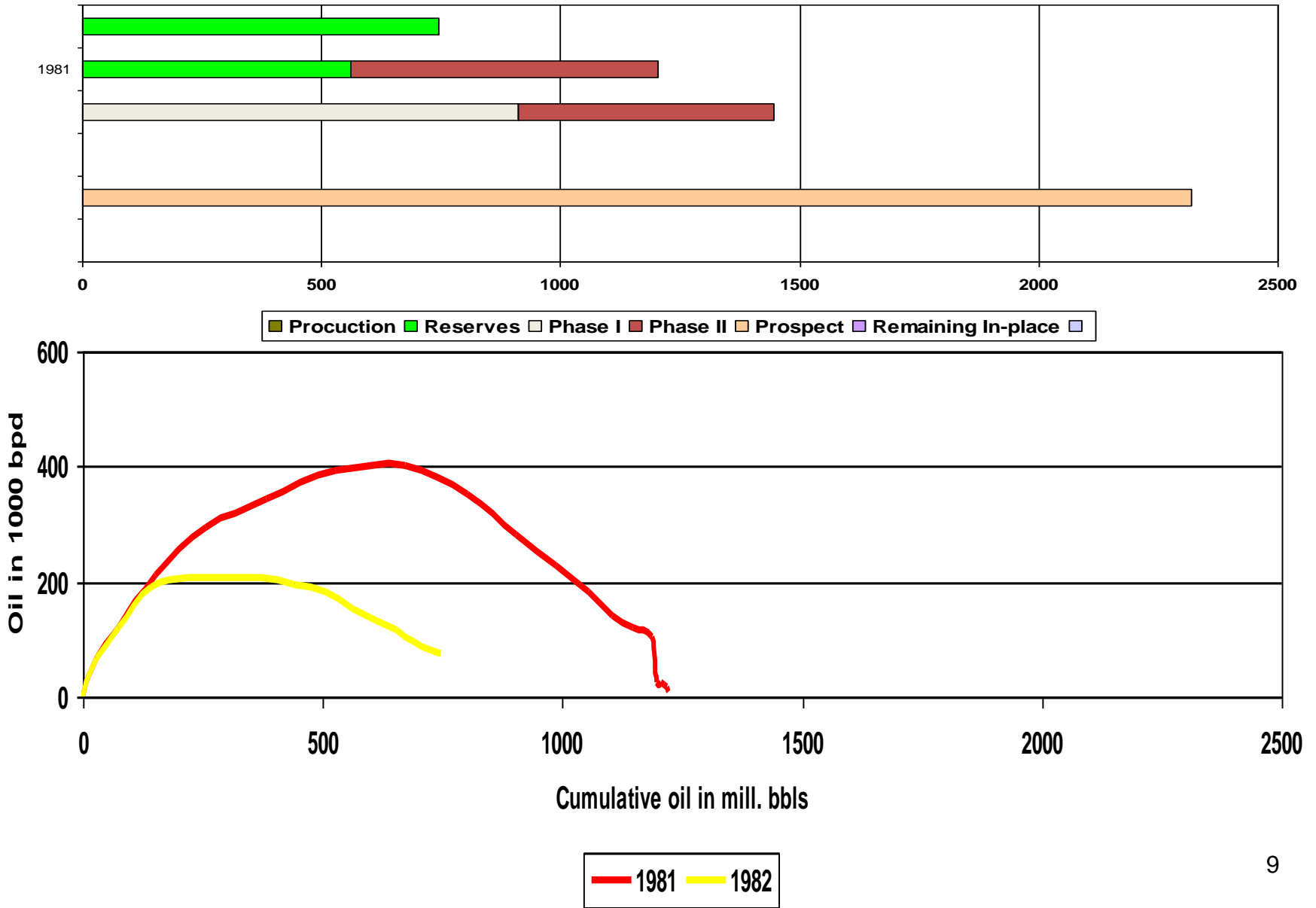


# Gullfaks forecasts and production 1981 - 2005

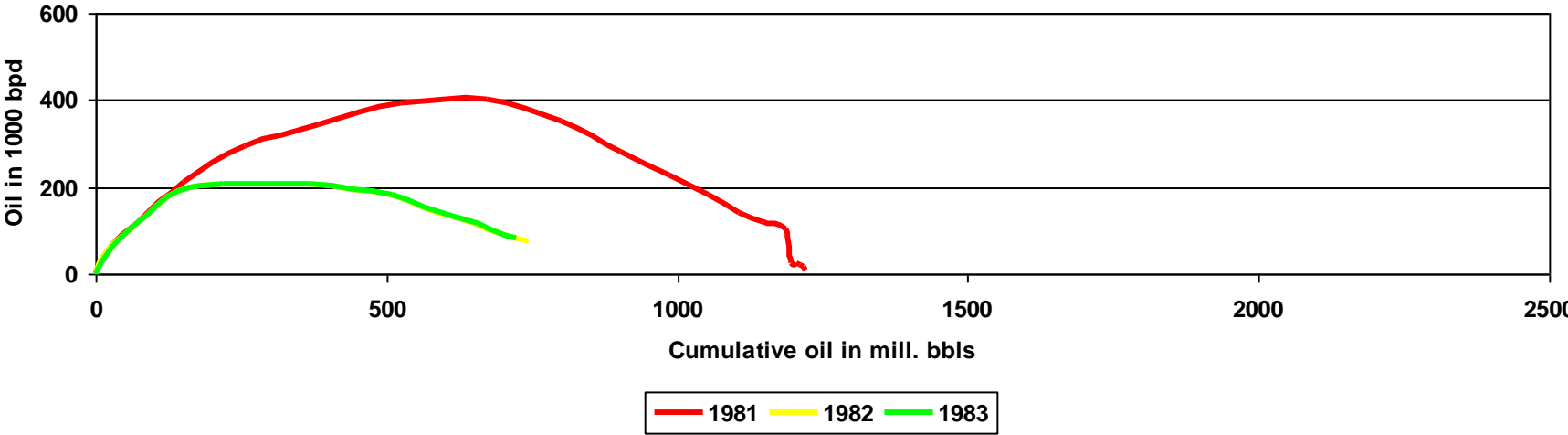
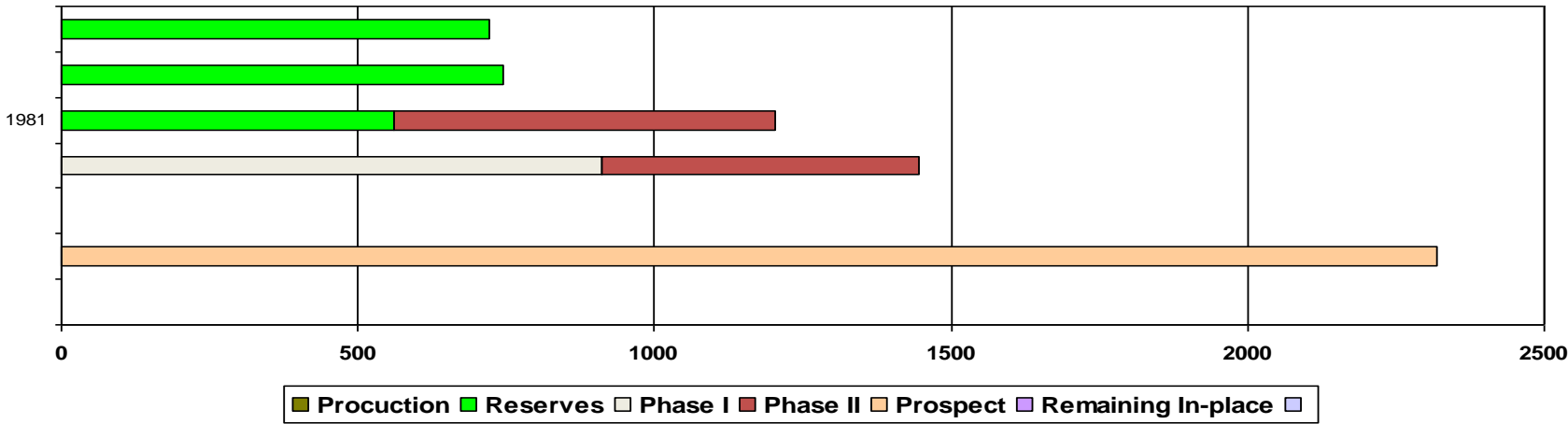




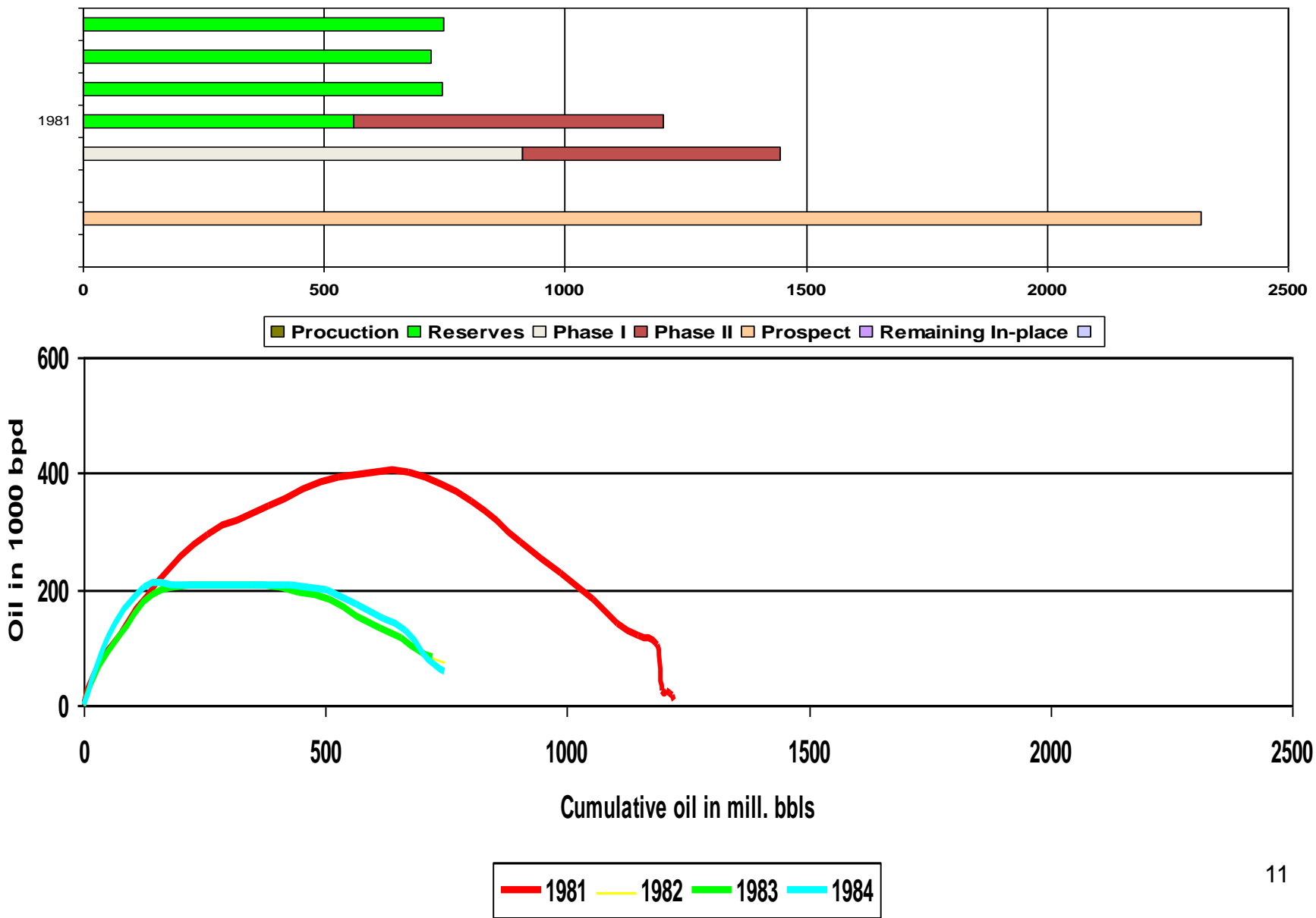
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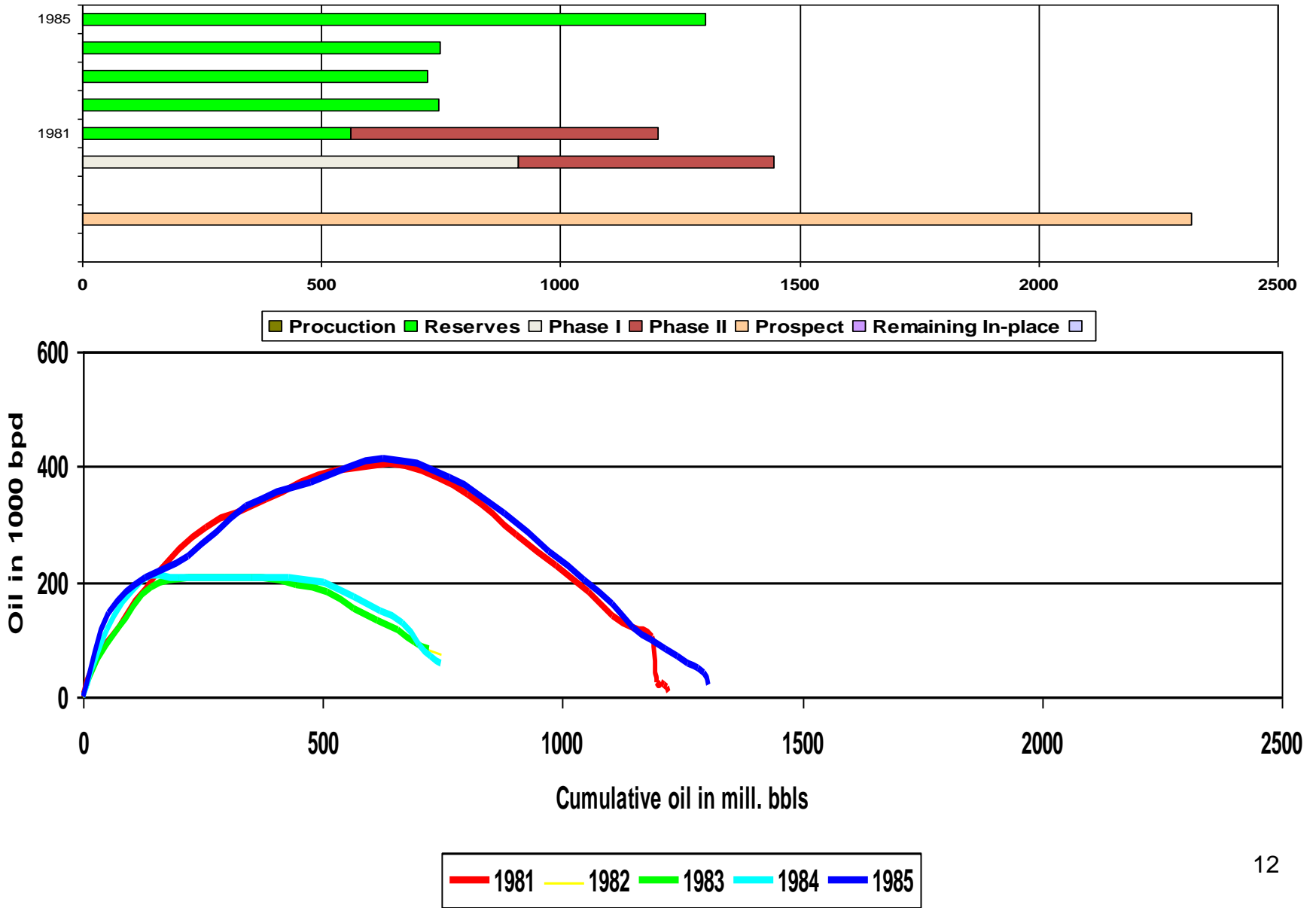
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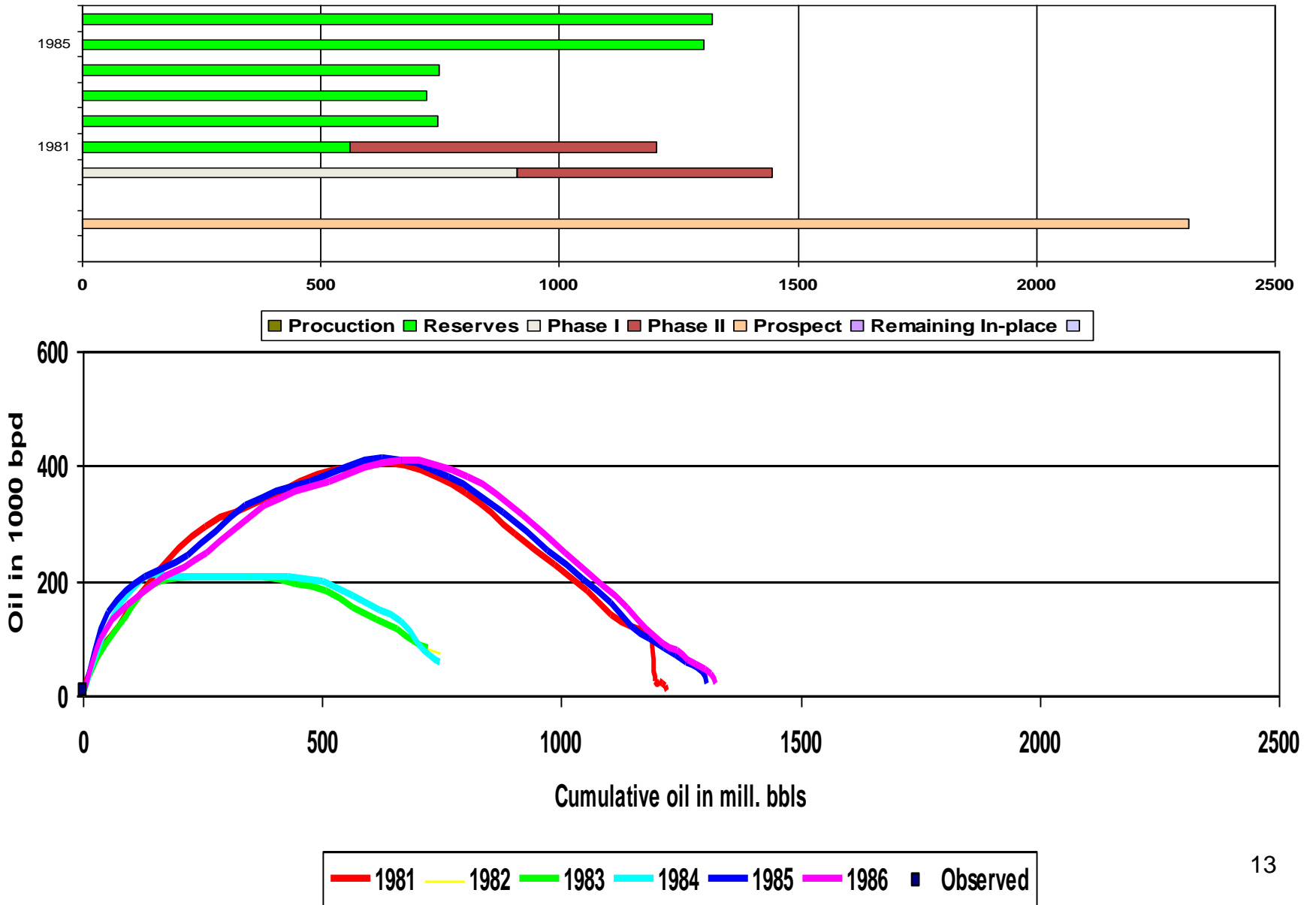
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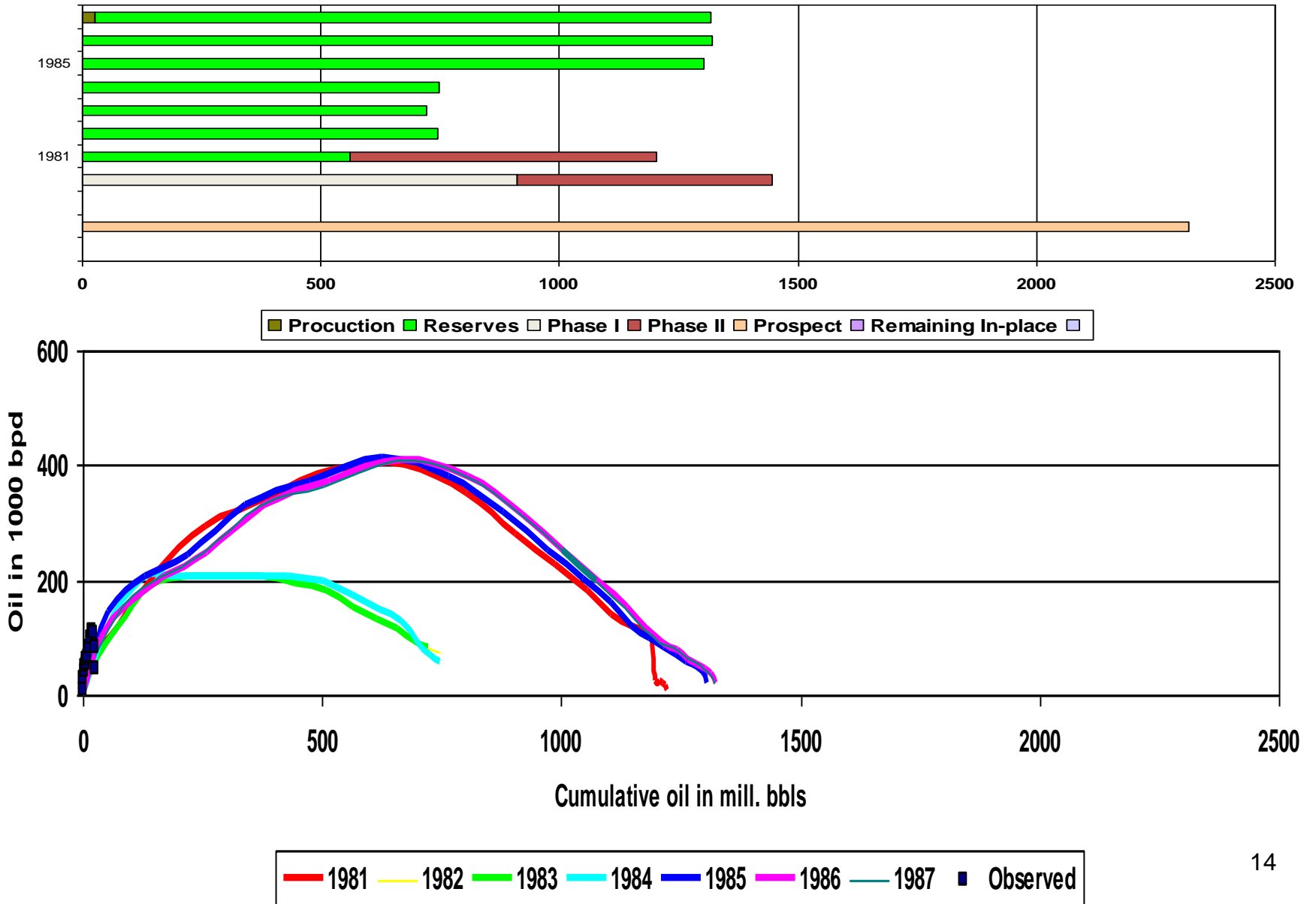
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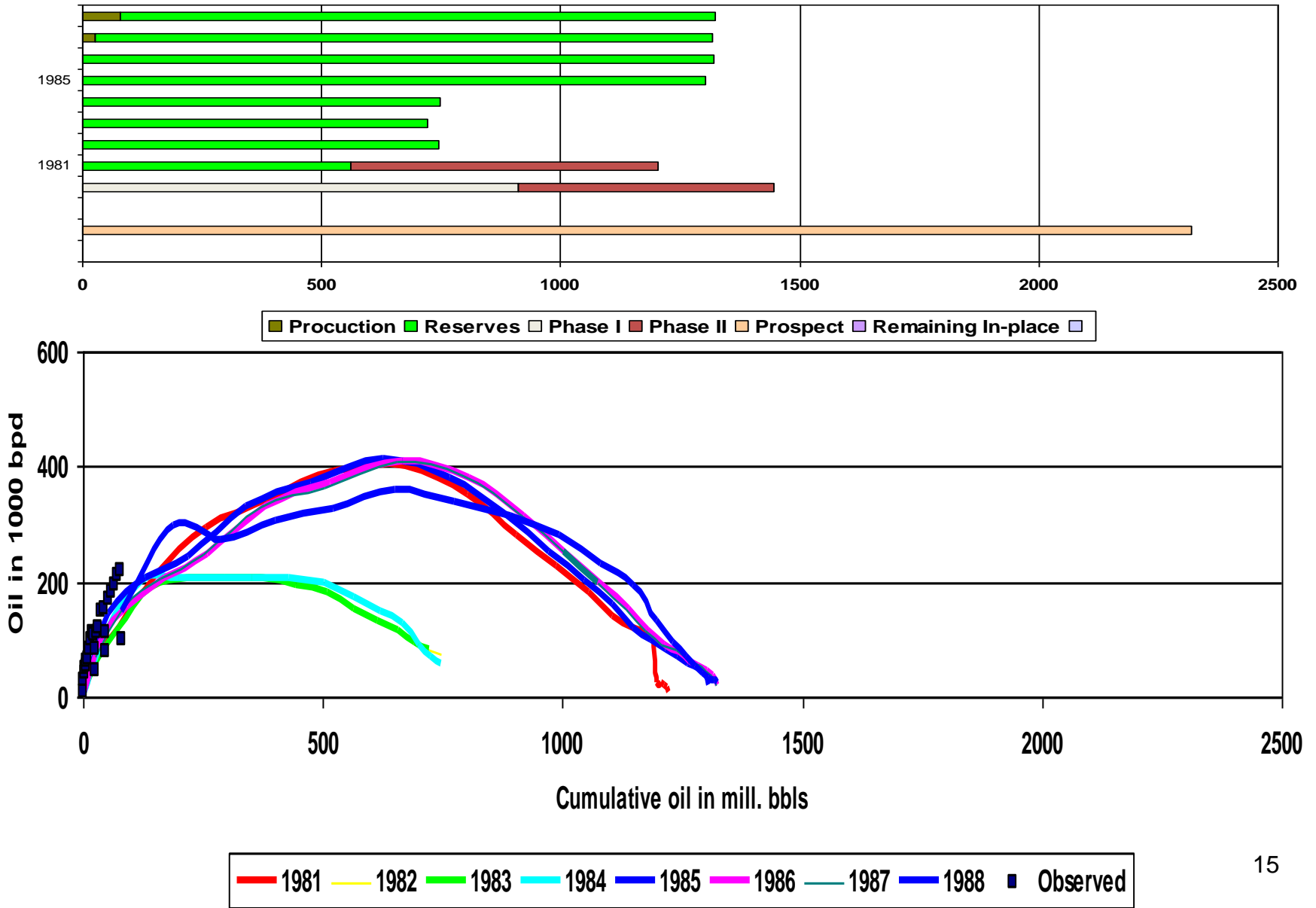
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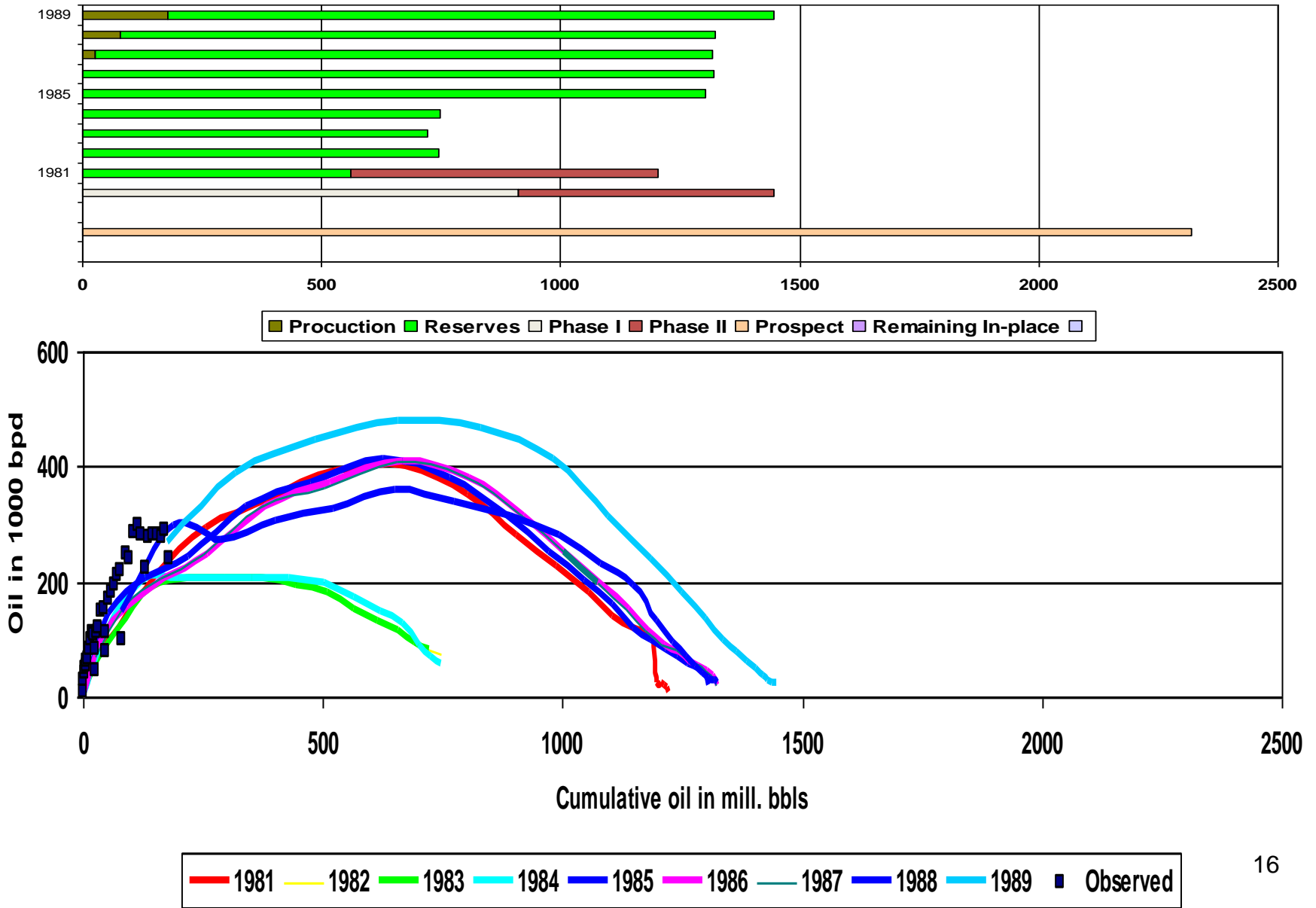
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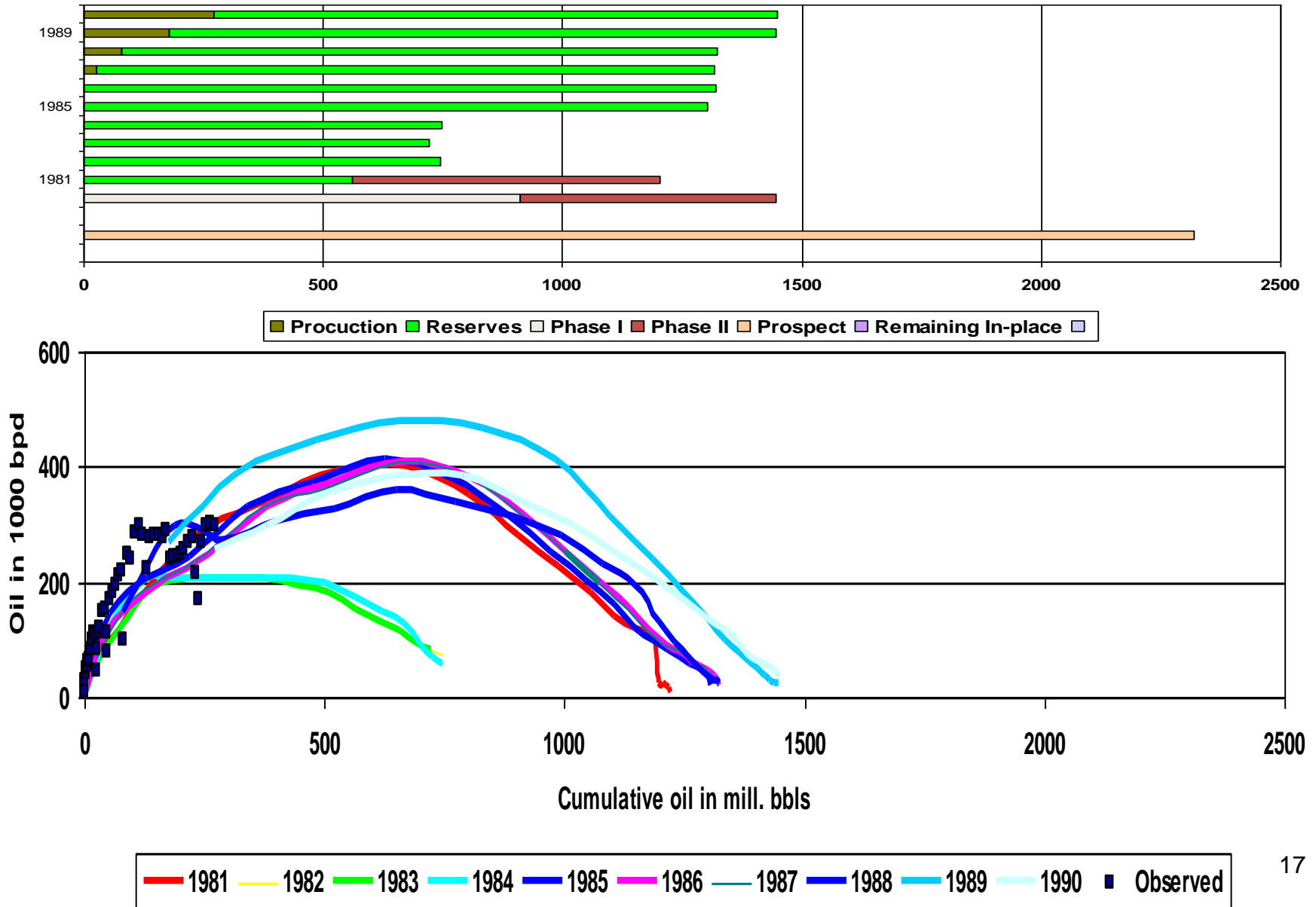


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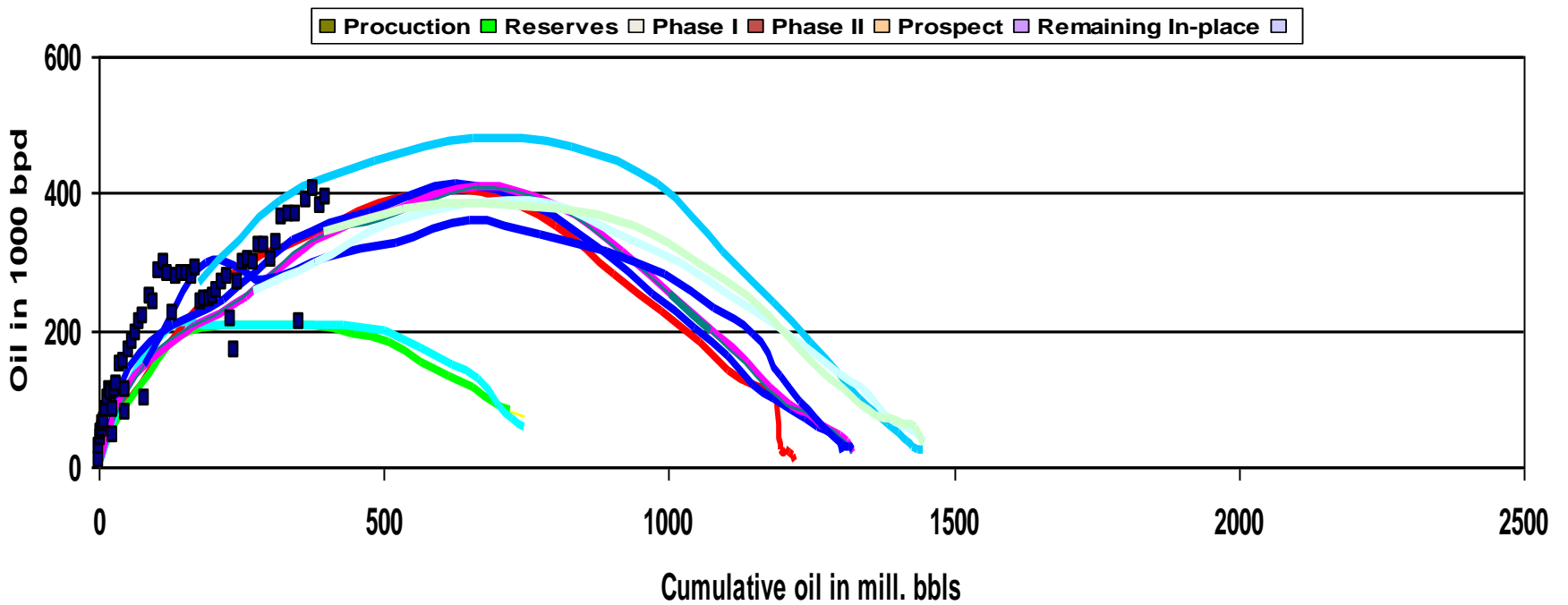
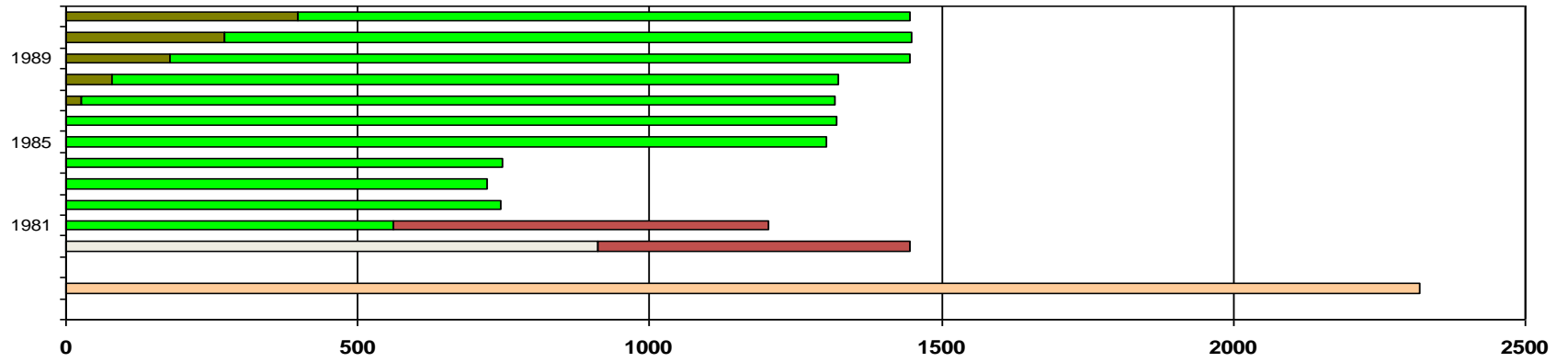




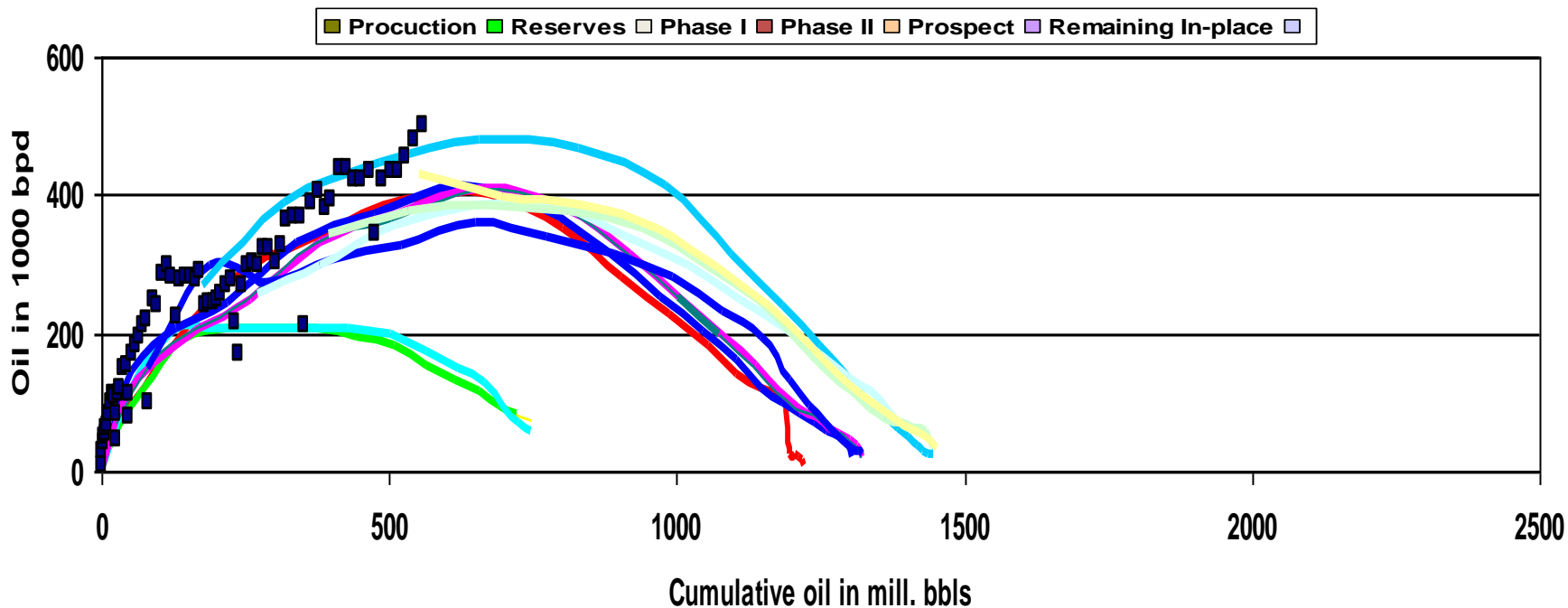
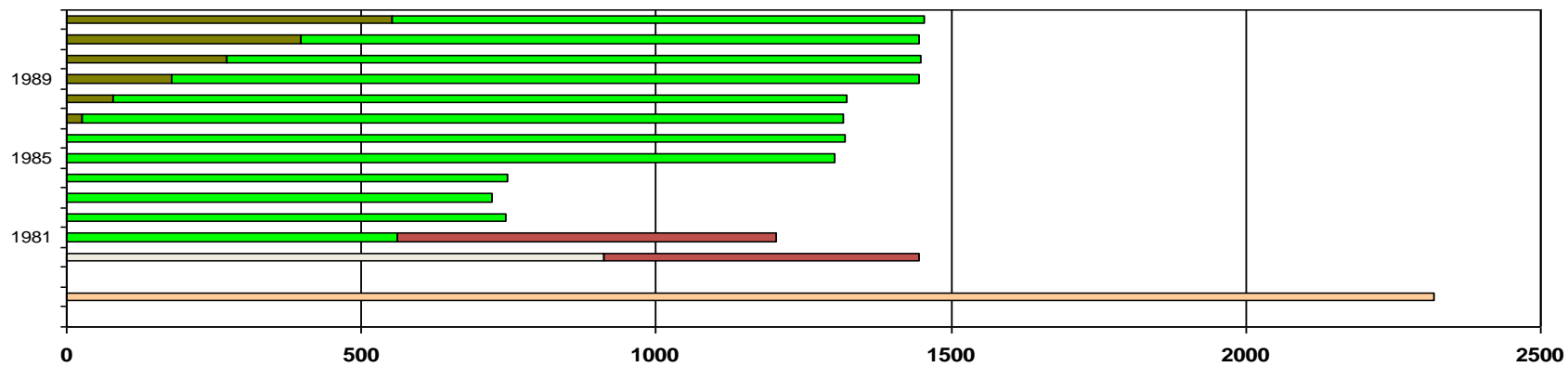
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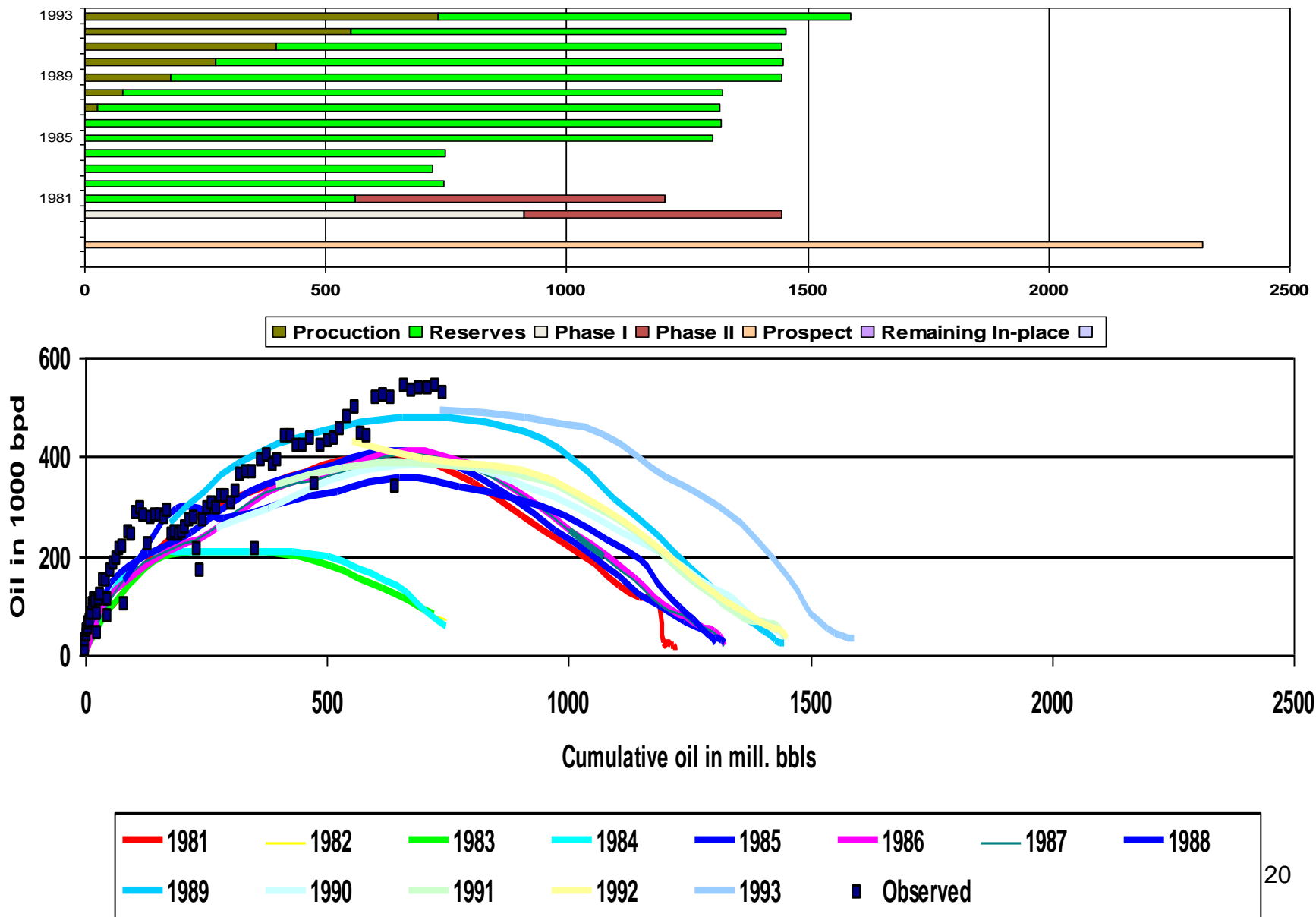
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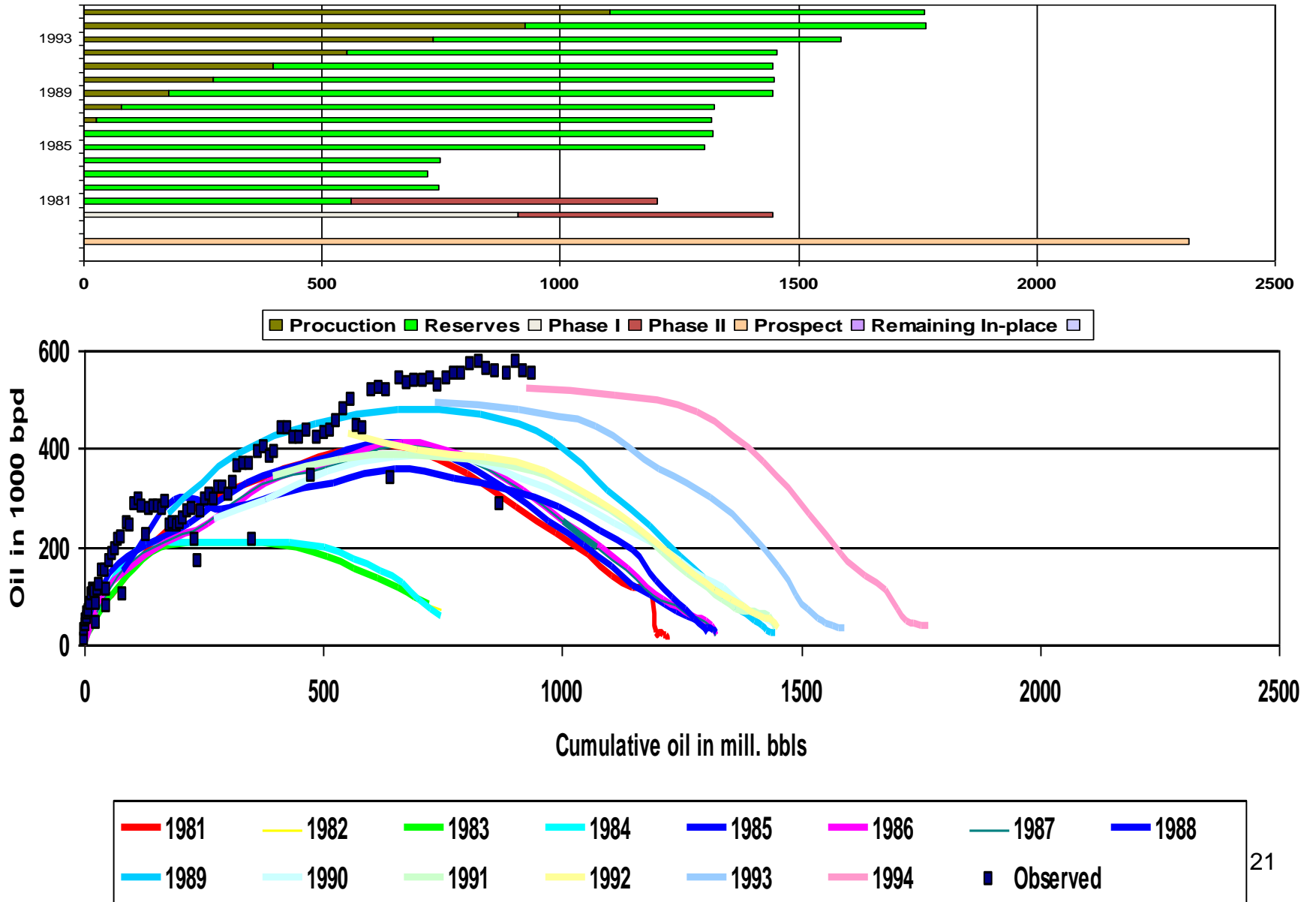
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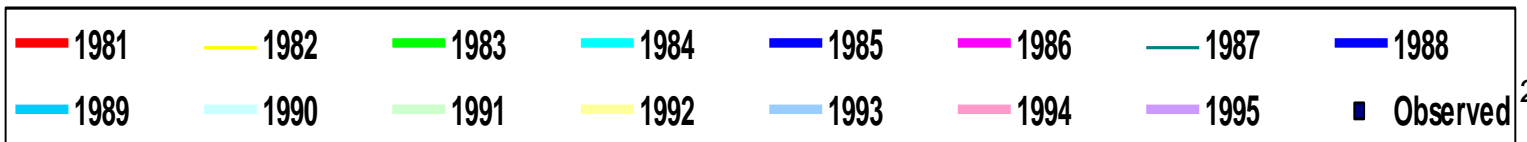
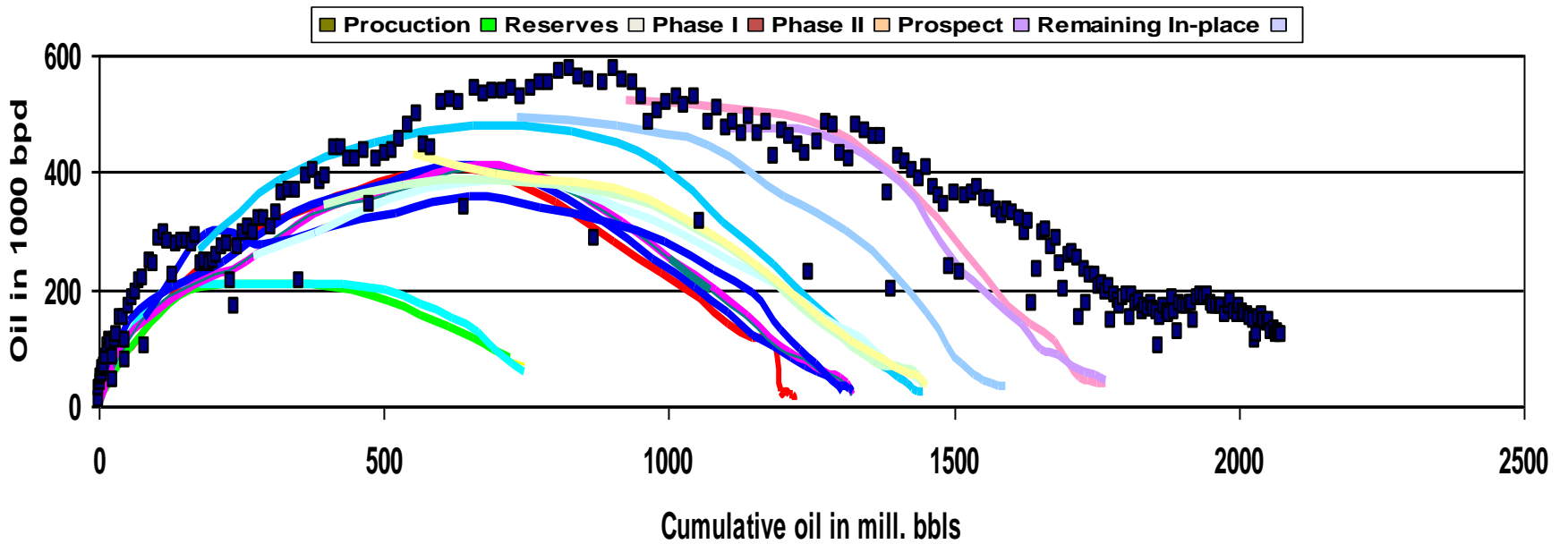
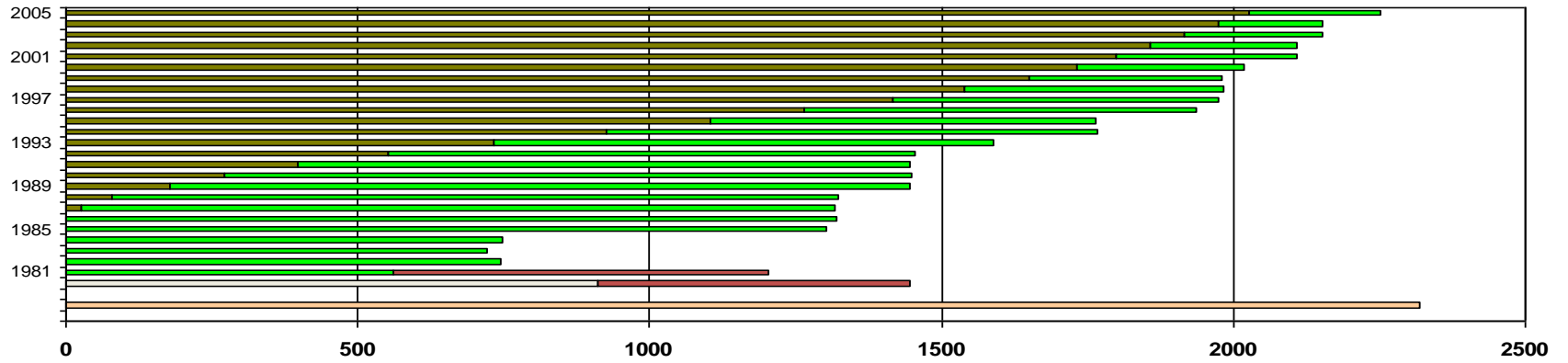
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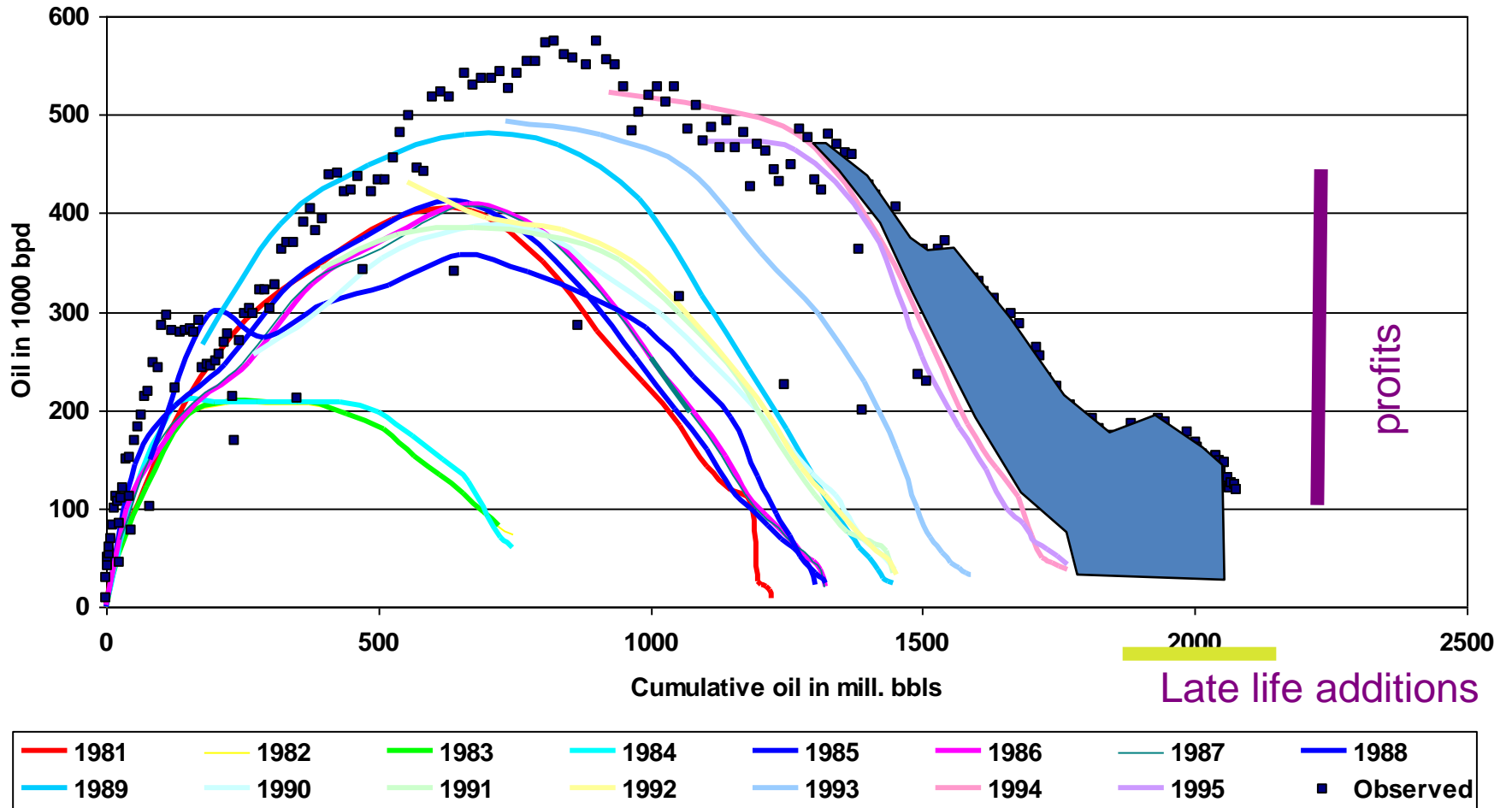
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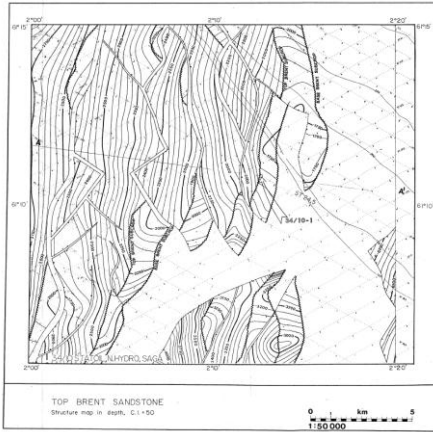
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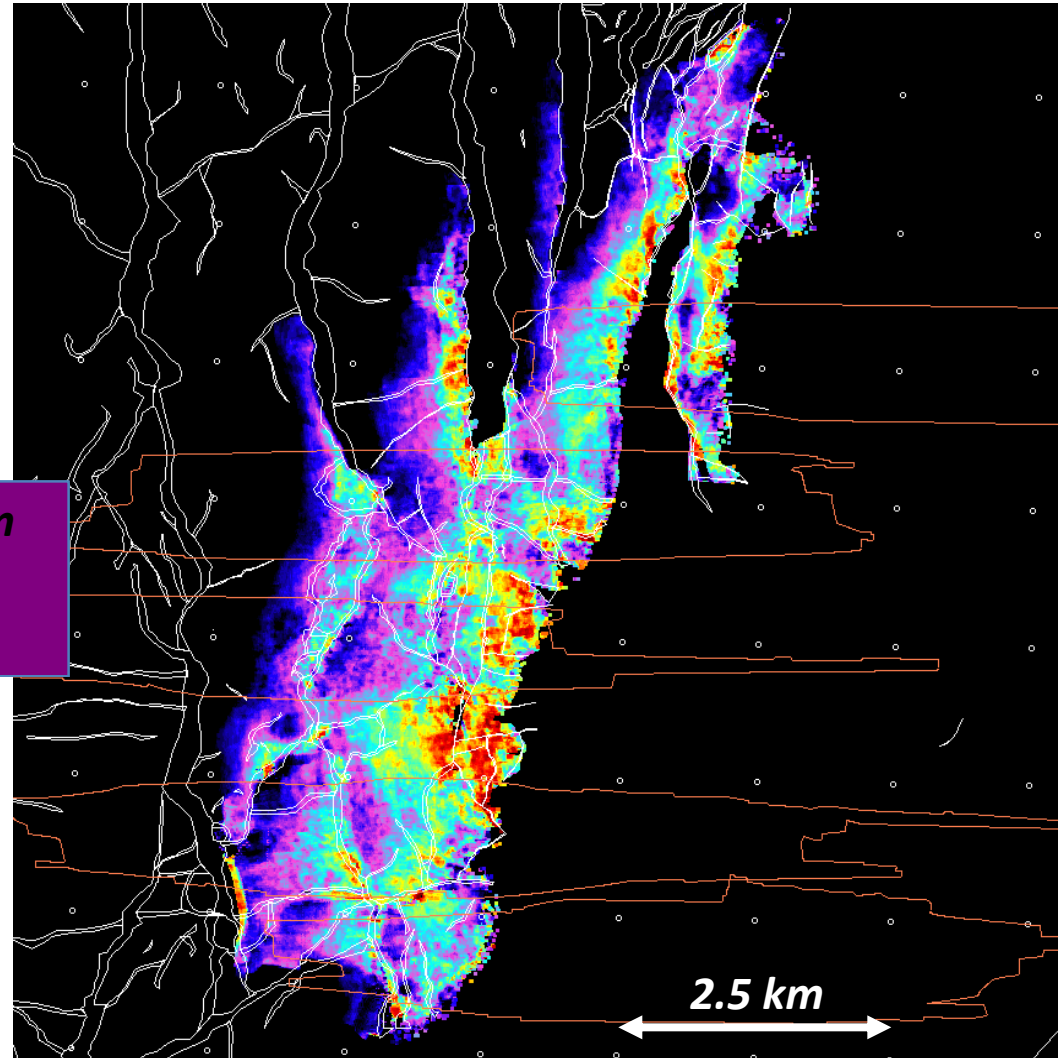
# Gulfaks forecasts and production 1981 - 2005



# Oil Saturation Inversion

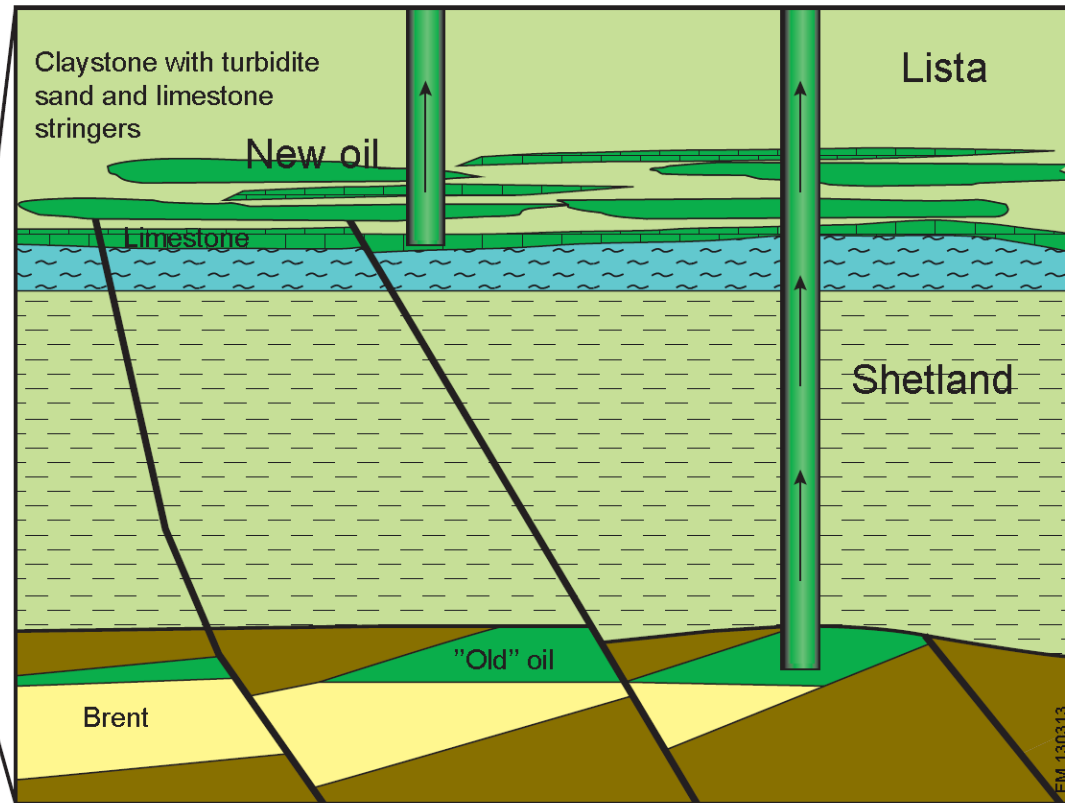
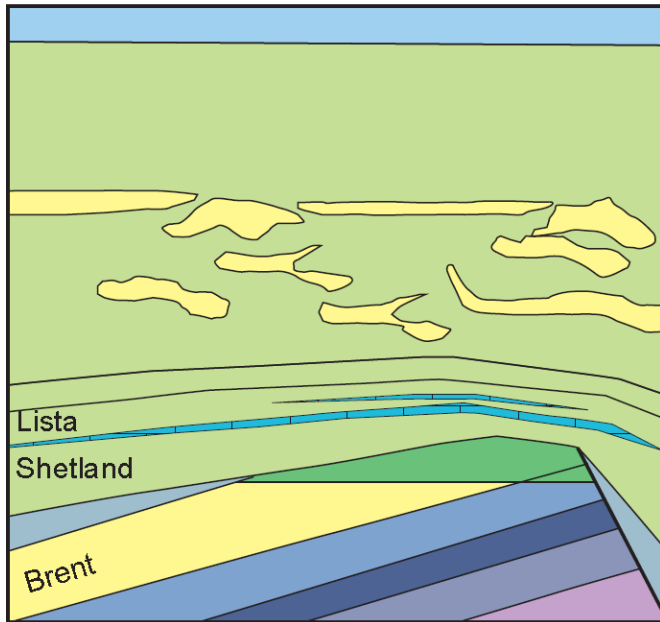


**Average Oil saturation  
- Tarbert Fm -  
2005 (4D inversion)**



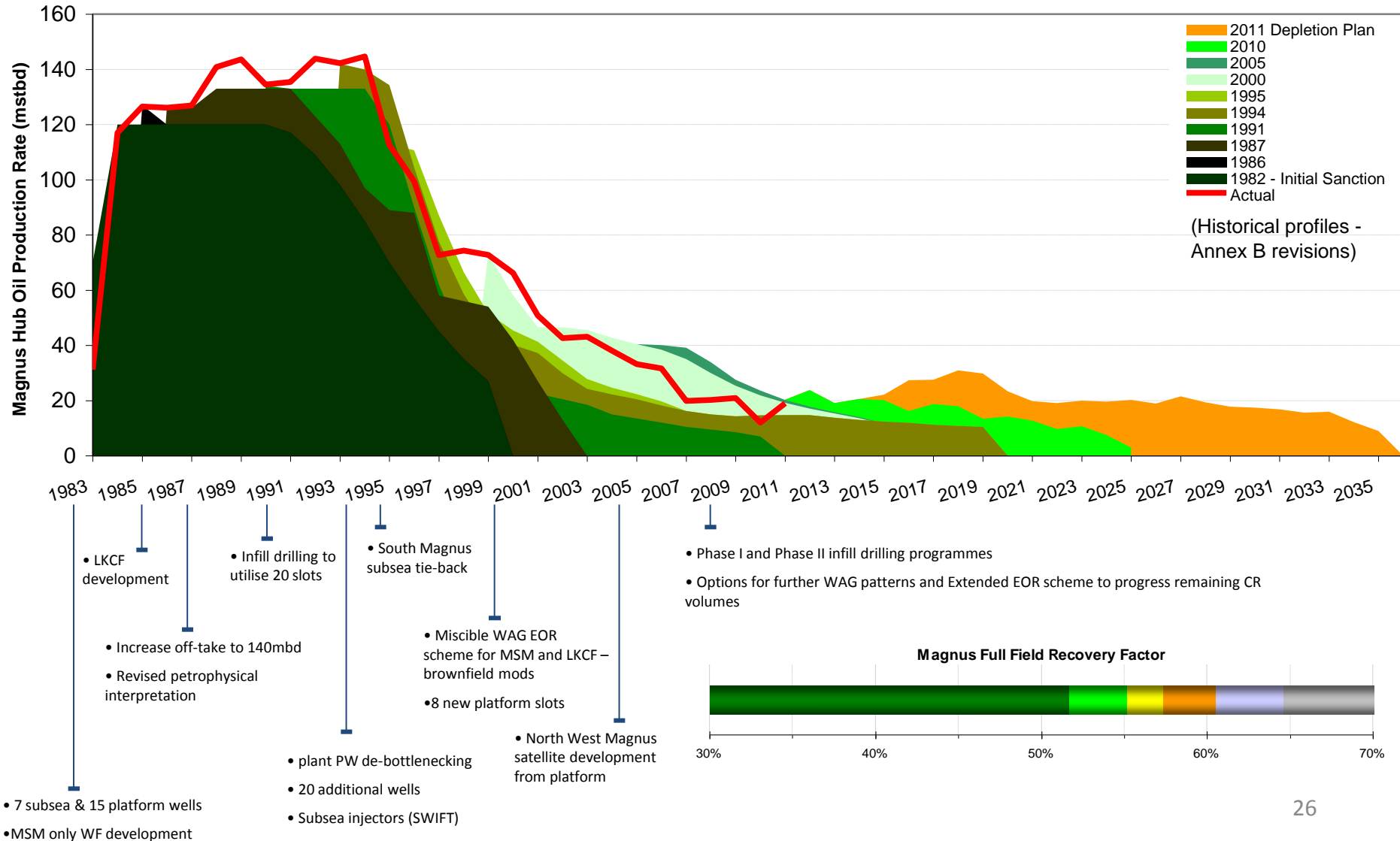


...and it is not over. A new discovery announced last week.



# Magnus Development Phases

## Evolution of Magnus Field Production Profiles



## Resource Identification

- Aids business planning, resource management and energy policy formulation
- Investment decisions for individuals, corporations and host countries
- Global markets require global standards and efficient markets require strong standards
- Allows efficient resource utilisation
- Principally an aid to efficient development

# Petroleum Resource Classification is not finished!

