Exchange of information
The case of Norway

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Information

- By Gouvernement institution (NPD):
  - On Norwegian shelf in general
  - On single fields (reserves, production profiles)

- By commercial partners
  - During project development
  - Operational Information
  - Reservoir related risks / future delivery profile
Historic and expected volumes of sales gas from Norwegian fields, 2014 – 2035 (November 2015)
Information by commercial partners I

- During project development
  - Progress reports
  - Coordination of construction

- Operational information
  - Daily dispatch information
  - Weekly, monthly forecasts
  - Force majeure / interruptions
  - Quality
Information by commercial partners II

Profile determined by seller and/or buyer?

Risk-related Information:

- On reservoir related performance, development, production profile
- Depending on contract type
  - Depletion contract (Ekofisk): profile determined by seller depending on reservoir performance
  - Supply type contract (Troll): some elements of profile determined by sellers, but several options by buyers (obligation to replace from other fields)
Ekofisk:
Exchange of Information and Forecasts (Art VII)

- Ekofisk: group of oil fields with associated gas, oil driven
- Ekofisk contract: Dedication/ depletion type contract, covering all gas from the fields (Ekofisk, Ekofisk-West, Cod and 50% Albuskjell)
- Exchange of information
  - Exchange of information as may be necessary or useful
  - Monthly production figures, development of quality
- Forecasts of operations: Once a year
- Change of DCQ by Sellers based on changed ERR (Economically Recoverable Reserves)
  - Notification rules, justification given
  - Possibility to check by independent expert
Ekofisk, relevance of information

- Change in DCQ, contractual DCQ was lowered substantially, several times
- Ekofisk subsidence,
  - part of gas temporarily used for reinjection to slow subsidence
  - Later, lifting and reconstruction of facilities
- Tie-in of Statpipe
- Several cases of strike / lock out
Troll /Sleipner

- Troll: Super giant dry gas field ca 1300 billion m³ in 300 m water depth with an underlying giant oil field, but without mutual interference
- Sleipner East: gas condensate field, driven by condensate recovery, included as of start of deliveries
- Possible additional contractual replacement fields from other reliable Norwegian sources
- Large new infrastructure to be built:
  - Troll plattform, Sleipner East plattform
  - Landing and treatment plant onshore in Kollnes
  - Four new pipelines: Zeepipe, Europipe 1 and 2, Franpipe
Troll Contract
Exchange of Information, Art 7 + Appendix E

- Troll Contract: supply type contract, supply obligation linked to Troll and Sleipner East, plus contractual replacement fields nominated later
- Underperformance: replacement obligation (if economic)
- Comprehensive provisions on Information
  - Art 7 Exchange of Information
    - For Troll and all replacement sources
    - Forecasts of operations
    - Current information
    - Progress reports
  - App E Information
    - Technical presentations (Reservoir, field installations,
    - Specific information during development
Troll, relevance of information

- Collapse of Sleipner East substructure
- Crossing the Wattensee (shallow sea) Natural Park
- Delivery pressure at Dornum
- Management of quality split between landing in Germany and Belgium / France
Thank you for your attention!