

Team Work 2

PET590 GVC

Week 4/5 2018

Team Work 2

- Each team will jointly prepare answers for the questions on next page.
- Each team will prepare a presentation answering these question and present it to the PET590 class on January 29th (Monday).
- The presentation can be up to 10 slides.
- Each team member will present at least one slide
- Each team will have up to 15 minutes for their presentation
- Teams may use the lectures given and any other source they fancy in preparing their presentations
- Honor code applies! (i.e.: You can not have a third party prepare your presentation. If so you will be expelled from the class)

Questions

- What defines the gas window?
- You are planning to drill a prospect at a depth of 5300m, T=200 degrees C, what type of hydrocarbon will you expect to find?
- What are gas hydrates, and where do they occur?
- What are the CO₂ sales specification for Norwegian gas at the different sales delivery points?
- How can the Norwegian gas meet these specifications?
- Three discoveries (D1,D2,D3) are planned to be produced and transported through a pipeline via Kårstø through Europipe II pipeline to Dornum
 - D1.Gas: 207 BCM, Oil:102 mSM³, NGL: 37 MT and 8% CO₂ content,
 - D2. Gas: 29 BCM, Oil: 23 mSM³, NGL: 6MT, Condensate: 2 mSM³ and 7% CO₂ content
 - D3. Gas: 32 BCM, Oil: 6 mSM³ and 1% CO₂ content

How will you develop the gas to get optimal value from these fields?
- Which conditions are important when storing CO₂ offshore?

Teams - PET 590 Spring 2018

- **Team 1**

- Vladislav Volkov (Leader)
- Saeid Abdollahpour
- Saeed Sajedi
- Julie Tanum
- Luis Jose Abaunza

- **Team 2**

- Danny Canas (Leader)
- Jørgen Hersve Thorød
- Linda Monsen
- Baba Nasiru Lawal Junior
- Ofei Michael

- **Team 3**

- Fawzi Chamssine (Leader)
- Anderson Parra Camacho
- Kent Arne Ask
- Obinna Eleri
- Awais Ashraf

- **Team 4**

- Baber Rafique (Leader)
- Yasin Amini Shareza
- Sergey Kim
- Nonso Ihebuzor
- Heidi Søyland