

Topics for GeoCafé Sessions (for Newcomers to Canada)

The target of the GeoCafé sessions are to educate and introduce newcomer geoscientists to the specifics of the petroleum industry in Canada (WCSB and Frontier). The main subjects are:

- 1- Local geographic coordinates in the provinces and territories (AB, BC, SK, MB, NWT, and YT) and related unique well identifier (UWI).
- 2- Mineral rights, drilling, exploration, development, and EOR's regulations and applications in the Canadian provinces and territories, and the related boards
- 3- Industry Resources:
 - A. Geological data: public data, boards and application (IHS and Geologic System)
 - B. Geological studies and papers: CSPG, Geological Survey of Canada, Alberta Research Council, AAPG, Saskatchewan Geological Survey, Saskatchewan Geological Society, B.C. Geological Survey,, Geoscience BC, and industry consultant firms, universities and Calgary Public Library
 - C. Service companies: Core labs, wellsite geology, logging and high technology firms.

4- Technical:

The Geology of Western Canadian Sedimentary Basin

- a. Main Elements of WCSB
- b. Structure and Architecture of the WCSB
- c. Cordilleran Tectonics
- d. Geological History of Peace River Arch
- e. Potential Fields and Basement Structure
- f. Paleogeographic Evaluation of Cratonic Platform
- g. Paleogeographic Evaluation of Foreland Basin
- h. Sequence Stratigraphy
- i. Geological History of Williston Basin / Sweetgrass Arch
- j. In Situ Stress in the WCSB
- k. Geothermal Regime
- l. Petroleum Generation and Migration
- m. Oil and Gas Resources
- n. Stratigraphy of WCSB
- o. Petroleum Provinces in WCSB
- p.

The Geology of Special Resources:

- a. Oil Sand: Steam Assisted Gravity Drainage (SAGD)
- b. Heavy Oil:
 - 1- Thermal Production
 - 2- Cold Heavy Oil Production with Sands (CHOPS)
- c. Unconventional:
 - i. Tight Oil and Gas
 - ii. Shale Oil and Gas

If you are interested in volunteering to run a 30-minute session to a group of approximately 10 newcomer mentees please email Nawras Akkad, akkad@telusplanet.net.