

ESS481S/MIN540S: Borehole Geophysics for Engineers and Geoscientists

- This course will involve weekly lectures, labs and tutorials. The process of wireline logging of boreholes for mineral, hydrocarbon and groundwater exploration, geotechnical and environmental studies involve a number of measurement devices, or sondes. Logging applications includes the identification of geological environment, reservoir fluid contact location, fracture detection, estimate of hydrocarbon or water in place, determination of water salinity, reservoir pressure determination, porosity/pore size distribution determination, and reservoir fluid movement monitoring.



Gas Hydrate exploration, McKenzie Delta (NWT): final construction phase of drill site camp, December 2002. Photo by Hideaki Takahashi, Japex Canada Ltd.)

**Organizational Meeting:
Thursday, January 8th, 2015
2pm, ES 2100
Lab Times & Tutorial TBD**

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