

Technical Luncheon
Tuesday September 15, 2009 11:45 a.m. to 1:00 p.m.
ConocoPhillips Auditorium, Calgary
401 – 9 Avenue SW (Gulf Canada Square) – 3rd Floor

Heavy Oil Drilling & Completion Challenges

Presented by Don Hennessey
Energy Resources Conservation Board – Bonnyville

Don Hennessey of the ERCB office in Bonnyville will talk about recent operational challenges in the in-situ heavy oil industry. With 20 years of experience in the Bonnyville area, Don offers a unique perspective on the remarkable growth in the heavy oil industry in northern Alberta. Topics will include:

- Production casing failures from corrosion mechanisms such as sulphide stress corrosion cracking, stress fatigue, and fluid/oxygen interface.
- Obtaining production casing cement jobs that meet the intent of the current regulations.
- Twelve month general review of the blowouts in the Bonnyville Field Centre area.
- Cement degradation of production casing/intermediate casing in thermal wells.
- A review of the “draft” Directive 051, Injection and Disposal Wells, Well Classifications, Completion, Logging, and Testing Requirements
- Improved Communications between thermal operators
- Well abandonment challenges in thermal areas.
- Water hammer incidents.

Don Hennessey has been a member on various drilling and servicing committee’s/organizations throughout his career. He has enjoyed his career largely to date because of the excellent people associated with the Alberta energy sector.

Mr. Hennessey has been with the ERCB for 20 years. He enjoys being part of the development of many types of heavy oil processes and associated challenges. In 2007, he was named Bonnyville Oilman of the Year.