

(Petroleum Engineering Program presents)

Formation Evaluation in Carbonates Using Well Logs

Ashok Srivastava - Schlumberger

15 Feb 2011 from 12-1 p.m.

LH 238

2nd PETE Seminar for Spring 2011 – Formation Evaluation

Light lunch will be served at 11:30 a.m.

LECTURE SUMMARY: 60% of the conventional remaining oil and gas reserves are in carbonates and most of these carbonates are in the Middle East. This makes Formation evaluation in carbonates extremely important for the people working in these parts. Formation evaluation in carbonates is a challenge as carbonates have a complex rock texture and pore network resulting from depositional facies and later diagenesis. Unlike clastics where there is a strong correlation between lithology and permeability and the link between saturation and resistivity is well understood carbonates, require additional measurements to be characterized. The lecture will start with basic formation evaluation measurements. This will be followed by discussing the drawbacks of the basic measurements and how they can be supplemented with additional measurements. The lecture will cover the physics of electromagnetic, nuclear, acoustic and magnetic resonance measurements. The lecture will also cover the fundamentals of log acquisition and the environmental effects on the measurements.

Ashok Srivastava

Mr Srivastava is a Principal Petrophysicist with Schlumberger working on a major carbonate reservoir in the Middle East. He has worked extensively in the region and has previously been Director of Curriculum for Petrophysics for Schlumberger. He has written many papers on Formation evaluation and reservoir monitoring and has two patents in Carbonate petrophysics. He graduated from the Indian institute of Technology (Bombay) in mechanical engineering and has done his Masters in petroleum engineering from Herriot Watt

FOR MORE INFORMATION:

Name: Ghada Hamed

Email:

ghada.hamed@qatar.tamu.edu

Phone: 974 442 30263