

THESIS COMPLETION CERTIFICATE

This is to certify that the thesis entitled “**MACRO SCOPIC MODELING OF GAS PRODUCTION FROM SHALE RESERVOIRS**” by Mr. Kudapa Vamsi Krishna in partial completion of the requirements for the award of the Degree of Doctor of Philosophy in Engineering is an original work carried out by him under our supervision and guidance.

It is certified that the content of the thesis, in full or parts have not been submitted to any other Institute or University for the award of any other degree or diploma.

External Guide



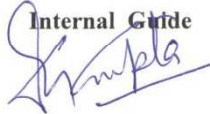
(Dr B P Pandey)

Research Advisor

University of Petroleum and
Energy Studies

Dehradun- 248007, India

Internal Guide



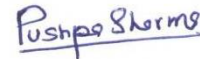
(Dr D K Gupta)

HOD & Professor

University of Petroleum and
Energy Studies

Dehradun- 248007, India

Internal Co-Guide



(Dr Pushpa Sharma)

Professor

University of Petroleum and
Energy Studies

Dehradun- 248007, India