Abstract Submitted
for the DFD10 Meeting of
The American Physical Society

The fluid mechanics of oil released into deep water ANDREW W. WOODS, BP Institute, University of Cambridge — We present a series of models which describe the processes controlling the transport of oil through the water column from a deep-water release, accounting for the presence of dispersant which may cause the oil to break up into small droplets. We compare the model predictions with recent observations from the Gulf of Mexico in order to provide insights and constraints on the migration of oil through deep-water towards the surface.

C. P. Caulfield
BPI & DAMTP, U. of Cambridge

Date submitted: 06 Aug 2010 Electronic form version 1.4