

JOURNAL OF SEISMIC EXPLORATION

Volume 11, Number 1-2

May 2002

Special Issue: INTEGRATED 4D SEISMICS

CONTENTS

J.T. Fokkema and C.P.A. Wapenaar	Introduction	1
F. Verhelst, P. Smith, S. Eidsvig, I. Magnus, J.I. Berg and J. Helgesen	Snorre time-lapse feasibility study: increased repeatability through close co-operation between processing and reservoir geophysicists	5
A. Druzhinin and C. MacBeth	Robust cross-equalisation and repeatability analysis of 4C-4D data at Teal South, Gulf of Mexico .	21
M. Dillen, J.T. Fokkema and C.P.A. Wapenaar	Recursive elimination of temporal contrasts between time-lapse acoustic wave fields . . .	41
C. MacBeth	The dry frame stress sensitivity of sandstones	59
M. Schoenberg	Time-dependent anisotropy induced by pore pressure variation in fractured rock	83
R. Marschall	Some aspects of wave propagation in porous media	107
E.D. Mercerat, C.P.A. Wapenaar, J.T. Fokkema and M. Dillen	Scaling behaviour of the acoustic transmission response of Rotliegend sandstone under varying ambient stress	137

J.R. Fanchi, H. Yamamoto T.L. Davis and R. Cardona	Forecasting dynamic seismic behaviour	159
J. Stammeijer, H.J. Kloosterman and J. Verbeek	Maturing 4D seismic in breadth, depth, and on time	173
L. Sønneland, M. Nickel and J. Schlaf	From seismic to simulation with new 4D tools	181
T. Oldenziel	Catch-22 in time-lapse seismic; can we proceed?	189