

## Conference Proceedings 2006

[Keynote addresses](#)

[International Exploration Outlook](#)

[Domestic Energy Outlook](#)

[Infrastructure - Getting Gas to Market](#)

[Basin Scale Exploration](#)

[Field Developments and Production](#)

[Geophysics/Geochemistry](#)

[Non-Conventional Gas](#)






[CO<sub>2</sub> Sequestration](#)






[Legal and Regulatory Issues](#)

[Closing](#)






[Poster Papers](#)




To view or print PDF files you will require PDF viewing software: [Adobe Acrobat Reader](#).







Title	Author	Paper	Presentation
<b>Keynote addresses</b>			
New Zealand's exploration outlook	Hon. H. Duynhoven		 <a href="#">[38 kB PDF]</a>
The US perspective: energy and petroleum exploration investment in New Zealand	Ambassador McCormick		 <a href="#">[27 kB PDF]</a>
Short and long run influences for the petroleum industry	B. Evans		 <a href="#">[78 kB PDF]</a>
Energy in 2006 - a rough ride ahead	M. Simmons		 <a href="#">[2.2 MB PDF]</a>
Meeting the energy challenge - an international operator's perspective	G. Banister		 <a href="#">[982 kB PDF]</a>










Title	Author	Paper	Presentation
<b>International Exploration Outlook</b>			
Asia exploration highlights	P. Baillie and others	 <a href="#">[799 kB PDF]</a>	 <a href="#">[9.6 MB PDF]</a>
Where are the elephants - a global review of significant prospects which may be drilled in 2005-2007	I. Cross		 <a href="#">[1.5 MB PDF]</a>
Australian exploration overview: federal and state initiatives	B. Robinson	 <a href="#">[14.1 MB PDF]</a>	 <a href="#">[603 kB PDF]</a>








Title	Author	Paper	Presentation
-------	--------	-------	--------------









<b>Domestic Energy Outlook</b>			
Future of indigenous gas supplies: implications for thermal electricity generation	D. Carroll		 <a href="#">[924 kB PDF]</a>
The market for New Zealand oil	R. Hale	 <a href="#">[1.3 MB PDF]</a>	 <a href="#">[204 kB PDF]</a>
New Zealand's primary fuel options	Hon. D. Parker		 <a href="#">[28 kB PDF]</a>
New Zealand energy - in the balance	C. Stone		 <a href="#">[173 kB PDF]</a>






Title	Author	Paper	Presentation
<b>Infrastructure - Getting Gas to Market</b>			
Vulnerabilities within the New Zealand gas market	RJ Hooper and G. Eng	 <a href="#">[873 kB PDF]</a>	 <a href="#">[1.0 MB PDF]</a>
Infrastructure investment perspectives	A. Knight		 <a href="#">[1.0 MB PDF]</a>





Title	Author	Paper	Presentation
<b>Basin Scale Exploration</b>			
The Kupe Field subsurface development plan	DP Anthony and others	 <a href="#">[9.9 MB PDF]</a>	
Pohokura: first gas 2006	M. Hendrikse		 <a href="#">[1.7 MB PDF]</a>
Update on exploration activities and Maari Field development plan	S. Hounsell		 <a href="#">[823 kB PDF]</a>
Hydraulic fracturing with oil-based fluids	K. Seanard		 <a href="#">[3.9 MB PDF]</a>
Development overview, Tui area, Taranaki Basin	CC Stewart	 <a href="#">[3.8 MB PDF]</a>	 <a href="#">[10.9 MB PDF]</a>






Title	Author	Paper	Presentation
<b>Field Developments and Production</b>			
Exploration - refining the search	R. Banks		<a href="#">[3.3 MB PDF]</a>
Geological structure of the forearc basin in central Hawke's Bay, eastern North Island	K. Bland	 <a href="#">[36.7 MB PDF]</a>	
Transpressional structures in Western Southland basins	JM Beggs and F Ghisetti	 <a href="#">[1.5 MB PDF]</a>	
Modern analogues for North Taranaki Mio-Pliocene depositional systems	JM Beggs and others	 <a href="#">[16.3 MB PDF]</a>	
Petroleum systems in New Zealand basins: an analogue approach	H. Doust	 <a href="#">[3.9 MB PDF]</a>	
Hydrocarbon systems associated with Superior's 1942 SFL-1 natural gas discovery, Kumara, Westland, New Zealand	TR Haskell and others	 <a href="#">[9.6 MB PDF]</a>	 <a href="#">[5.7 MB PDF]</a>
Pogo New Zealand's 3D seismic: new standards & structural/stratigraphic insights in the Taranaki basin	CR Cohen, G Morton and others	 <a href="#">[8 MB PDF]</a>	
The plate tectonic and stratigraphic evolution of SE Australia, New Zealand and Antarctica: implications for petroleum systems	MS Norvick	 <a href="#">[2.0 MB PDF]</a>	 <a href="#">[5.6 MB PDF]</a>



Basin analysis: evaluation of depositional systems	H. Posamentier		 <a href="#">[48.7 MB PDF]</a>
Global overview of tertiary deepwater foldbelts: passive vs active margin systems	HS Sumner and others	 <a href="#">[301 kB PDF]</a>	 <a href="#">[29.4 MB PDF]</a>
Cordillera Zealandia, the Sisters Shear Zone and their influence on the early development of the Great South Basin	A. Tulloch and others	 <a href="#">[14.2 MB PDF]</a>	 <a href="#">[6.9 MB PDF]</a>
Sedimentary systems of northwest New Zealand	CI Uruski	 <a href="#">[8.9 MB PDF]</a>	 <a href="#">[9.8 MB PDF]</a>




Title	Author	Paper	Presentation
<b>Geophysics/Geochemistry</b>			
Spectral decomposition, spectral broadening and high-resolution inversion	JP Castagna	 <a href="#">[202 kB PDF]</a>	 <a href="#">[4.3 MB PDF]</a>
Slip slidin' away: implications of velocity anisotropy on depth imaging of seismic data	D. Lawton	 <a href="#">[13.0 MB PDF]</a>	 <a href="#">[7.8 MB PDF]</a>
Synergies between high-end seismic acquisition and processing technologies - how to plan for success	AS Long	 <a href="#">[13.6 MB PDF]</a>	 <a href="#">[1.7 MB PDF]</a>
Finding and modelling oil sweetspots in New Zealand's coaly source rock systems	R. Sykes	 <a href="#">[59 kB PDF]</a>	 <a href="#">[1.6 MB PDF]</a>

Title	Author	Paper	Presentation
<b>Non-Conventional Gas</b>			
Gas hydrates on the continental margins of the South Island	A. Gorman and others	 <a href="#">[664 kB PDF]</a>	 <a href="#">[15.6 MB PDF]</a>
Commercialisation of South Island coal seam gas	D. Manhire		 <a href="#">[747 kB PDF]</a>
Cracking the CSG code with the three Rs: reasoned, rigorous and responsive development	TA Moore and G. Twombly	 <a href="#">[15.7 MB PDF]</a>	 <a href="#">[309 kB PDF]</a>





Title	Author	Paper	Presentation
<b>CO<sub>2</sub> Sequestration</b>			
Occurrence of CO <sub>2</sub> and natural gas: origin and characteristics	MM Cassidy and CJ Ballentine	 <a href="#">[5.3 MB PDF]</a>	
Geosequestration: its role in a sustainable future for New Zealand gas resources	D. Darby	 <a href="#">[51 kB PDF]</a>	<a href="#">[5.0 MB PDF]</a>
Geosequestration of CO <sub>2</sub> : a key strategy for the sustainability of the energy industries	JG Kaldi and PJ Cook	 <a href="#">[2.8 MB PDF]</a>	 <a href="#">[4.7 MB PDF]</a>

Title	Author	Paper	Presentation
<b>Legal and Regulatory Issues</b>			
Taxation issues for the upstream industry	H. Panha	 <a href="#">[598 kB PDF]</a>	 <a href="#">[118 kB PDF]</a>
Fiscal initiatives	S. Smith and G. Nightingale	 <a href="#">[504 kB PDF]</a>	 <a href="#">[21 kB PDF]</a>
Compliance: effectively managing your permit obligations	J. Dixon		 <a href="#">[2.7 MB PDF]</a>

A history of petroleum litigation in New Zealand: the lessons to be learned	J. Willis		
The Resource Management Act 1991: enabling new infrastructure development?	J. Winchester	 <a href="#">[283 kB PDF]</a>	 <a href="#">[52 kB PDF]</a>

Title	Author	Paper	Presentation
<b>Closing</b>			
From 2006 - the way forward	H. Weake		 <a href="#">[330 kB PDF]</a>
From 2006 - the way forward	M. Sheridan		 <a href="#">[153 kB PDF]</a>
From 2006 - the way forward	L. Kelly		 <a href="#">[36 kB PDF]</a>

Title	Author	Paper	Presentation
<b>Poster Papers</b>			
Outcrop-based investigation of thin siltstone beds in basin-floor fan deposits and their impact on reservoir flow	M. Arnot and others	 <a href="#">[49 kB PDF]</a>	 <a href="#">[6.2 MB PDF]</a>
Petroleum system analysis in an inverted basin a case study within the Taranaki Basin (New Zealand)	L. Benchilla and others		 <a href="#">[1.1 MB PDF]</a>
A highly dynamic depositional model for the late Miocene Mount Messenger interval in Taranaki Basin	M. Crundwell and others	 <a href="#">[33 kB PDF]</a>	 <a href="#">[2.8 MB PDF]</a>
Gas hydrate "sweet spots" on the Hikurangi Margin, from recently acquired multi-channel seismic data	GJ Crutchley and others	 <a href="#">[3.0 MB PDF]</a>	
Reservoir plays of the East Coast region	BD Field and others	 <a href="#">[13.1 MB PDF]</a>	 <a href="#">[12.8 MB PDF]</a>
Sequence stratigraphy and architectural elements of the Giant Foresets formation, northern Taranaki basin, New Zealand	RJ Hansen and PJJ Kamp	 <a href="#">[4.1 MB PDF]</a>	
A natural analogue study for geosequestration, Kapuni Field, Taranaki Basin	K. Higgs and others	 <a href="#">[53 kB PDF]</a>	 <a href="#">[13.3 MB PDF]</a>
How good a source rock is the Waipawa (Black Shale) Formation beyond the East Coast basin? An outcrop-based case study from Northland	CJ Hollis and others	 <a href="#">[890 kB PDF]</a>	 <a href="#">[36.7 MB PDF]</a>
Possible evidence for earliest Miocene rapid tectonic oscillations on eastern Taranaki basin margin	S. Hood and others	 <a href="#">[36.7 MB PDF]</a>	
Neogene plate tectonic reconstructions and geodynamics of North Island sedimentary basins - implications for the petroleum systems	PJJ Kamp and KP Furlong	 <a href="#">[9.4 MB PDF]</a>	
Depositional systems from within New Zealand	P. King and others	 <a href="#">[57 kB PDF]</a>	<a href="#">[8.6 MB PDF]</a>
First results of a new Taranaki Basin seismic facies mapping project: an example from around the Kupe field	B. Leitner		 <a href="#">[19.8 MB PDF]</a>
Tubular carbonate concretions as hydrocarbon migration pathways? Examples from North Island, New Zealand	SL Nyman and others	 <a href="#">[18.3 MB PDF]</a>	

Kupe gas project – resource consents	K. Oldham and others	 <a href="#">[21.9 MB PDF]</a>	
Organic chemical signatures of New Zealand carbonate concretions and calcite fracture fills as potential fluid migration indicators	MJ Pearson and CS Nelson	 <a href="#">[3.2 MB PDF]</a>	
Reworked coals in basin floor fans - a potential oil source in the North Taranaki Graben?	M. Webster and Geotech		<a href="#">[357 kB PDF]</a>
Seismic mapping of the Late Cretaceous-Early Cenozoic foundering and regional marine onlap of the Challenger plateau	H. Zhu and others	 <a href="#">[26.6 MB PDF]</a>	 <a href="#">[4.6 MB PDF]</a>