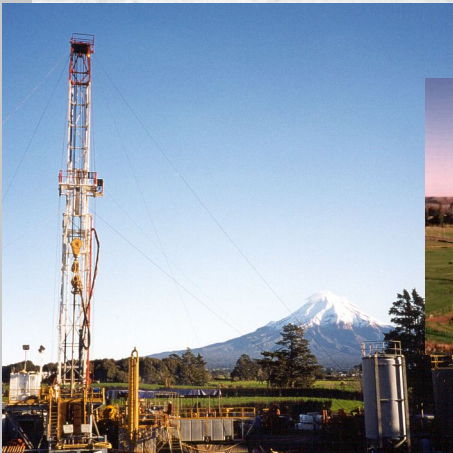


Ian R Brown Associates Ltd Petroleum well experience



The team at IRBA have been involved in a variety of roles related to the petroleum industry. Commencing in 1996 with the drilling of the Whangaehu-1 well in the Wanganui Basin, the staff have continued to provide wellsite geology support for projects in the East Coast and both onshore and offshore in Taranaki Basin. This has included supervision of LWD, MWD, wireline, coring, sampling and testing operations. In most cases our geologists have prepared the well completion reports, compiled composite logs and provided correlation diagrams. For the majority of the East Coast wells we have also been involved in drilling consent documentation and the preparation of well prognoses. The accompanying page summarizes the wells and the involvement of our team.

Contact:

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	Well Name	Company	PR No	WellSite	WCR
TARANAKI ONSHORE					
Sep 2000	Windsor-1	Westech Energy New Zealand	2547	Y	Y
Sep 2000	Windsor-2	Westech Energy New Zealand	2548		Y
Oct 2000	Windsor-3, 3A	Westech Energy New Zealand	2579		Y
Nov 2000	Maketawa-1	Westech Energy New Zealand	2552	Y	Y
Dec 2000	Warea-1	Discovery Geo (Australia) Corp	2611	Y	Y
Jun 2001	Warea Deep-1	Discovery Geo (Australia) Corp	2611	Y	Y
July 2002	Opito-1	New Zealand Oil and Gas Ltd	2710	Y	N
Nov 2002	Surrey-1	Westech Energy New Zealand	2769		Y
Oct 2003	Surrey-2	Westech Energy New Zealand	2878		Y
Aug 2003	Rahotu-1	Discovery Geo (Australia) Corp	2926	Y	*
Aug 2004	Radnor-1	Bridge Petroleum Ltd	3033		Y
Jan 2005	Hursthouse-1	Bridge Petroleum Ltd	3123		Y
Oct 2005	Richmond-1	Bridge Petroleum Ltd	3231		Y
Dec 2005	Konini-1	Bridge Petroleum Ltd	3251		Y
Mar 2006	POW-03	STOS		Y	*
Nov 2009	Ahuroa-3	Origin Energy Resources (NZ)		Y	N
Dec 2009	Ahuroa-4	Origin Energy Resources (NZ)		Y	N
Jan 2010	Ahuroa-5	Origin Energy Resources (NZ)		Y	N
Mar 2010	Kauri-F4	Origin Energy Resources (NZ)		Y	N
May 2010	Kauri-F6	Origin Energy Resources (NZ)		Y	N
May 2010	Kauri-F5	Origin Energy Resources (NZ)		Y	N
TARANAKI OFFSHORE					
Jan 2003	Tui-1	NZ Overseas Petroleum	2784	Y	*
Feb 2004	Amokura-1	NZ Overseas Petroleum	2920	Y	*
Apr 2004	Pukeko-1	NZ Overseas Petroleum	2928	Y	*
Aug 2004	Pateke-1, -2	NZ Overseas Petroleum	3019	Y	*
Aug 2004	Kiwi-1	NZ Overseas Petroleum		Y	*
Apr 2006	MA-02A	STOS		Y ⁽¹⁾	N
May 2006	MA-10A	STOS		Y ⁽¹⁾	N
Nov 2006	POB-1	Shell Exploration NZ		Y	*
Nov 2006	Tieke-1	AWE NZ Pty Ltd		Y	N
Jan 2007	Tui-2H	AWE NZ Pty Ltd		Y	N
Jan 2007	POB-2	Shell Exploration NZ		Y	*
Feb 2007	Tui-3H	AWE NZ Pty Ltd		Y	N
Apr 2007	Amokura-2H	AWE NZ Pty Ltd		Y	N
May 2007	POB-3	Shell Exploration NZ		Y	*
May 2007	Pateke-3H	AWE NZ Pty Ltd		Y	N
Jul 2007	POB-4	Shell Exploration		Y	*
Aug 2007	Hector-1	AWE NZ Pty Ltd		Y	N
Aug 2007	Taranui-1	AWE NZ Pty Ltd		Y	N
Sep 2007	West Cape-1	AWE NZ Pty Ltd		Y	N
Oct 2007	Kopuwai-1	AWE NZ Pty Ltd		Y	N

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Footnote PR No left blank indicates the report is confidential

(*) Geology section of WCR

(Y) IRBA involvement

(Y⁽¹⁾) Sample processing, description, reporting

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	Well Name	Company	PR No	WellSite	WCR
TARANAKI OFFSHORE cont.					
				Y	N
Nov 2007	Kanuka-1	Pogo New Zealand	3843	Y	Y
Dec 2007	Kupe South-7	Origin Energy Resources Ltd		Y	N
Jan 2008	Kupe South-8	Origin Energy Resources Ltd		Y	N
Jan 2008	POB-5	Shell Exploration		Y	*
Feb 2008	Kupe South-6	Origin Energy Resources Ltd		Y	N
Jun 2008	Momoho-1	Origin Energy Resources Ltd		Y	N
Sep 2008	Awakino South-1	Asian Drilling Services		Y	Y
Dec 2008	MR3P8 (Maari)	OMV		Y	N
Jan 2009	MR4P9	OMV		Y	N
Feb 2009	MR5P12	OMV		Y	N
Mar 2009	MR2P1	OMV		Y	N
Apr 2009	MR7P5	OMV		Y	N
Apr 2009	MR8P3	OMV		Y	N
May 2009	MR6P2	OMV		Y	N
Jun 2009	MR1P7	OMV		Y	N
Jul 2009	MR2P6	OMV		Y	N
Aug 2009	Manaia MN1P4	OMV		Y	N
Sep 2009	MR9P6	OMV		Y	N
Dec 2009	Albacore-1	Westech Energy NZ Ltd		Y	*
May 2010	Tui SW-2	AWE NZ Pty Ltd		Y	N
Jul 2010	Kahu-1	AWE NZ Pty Ltd		Y	N
Aug 2010	Tuatara-1	AWE NZ Pty Ltd		Y	N

WANGANUI

Feb 1996	Whangaehu-1	Westech Energy Corporation	2195	Y	Y
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WAIKATO ONSHORE CSG

May 2009	East Kawhia-1	L&M CSG Ltd		Y	Y
Jun 2009	Mangapehi-1	L&M CSG Ltd		Y	Y
Jun 2010	Macclure-1	L&M CSG Ltd		Y	N

SOUTHLAND ONSHORE CSG

Jun 2009	OM-3	L&M CSG Ltd		Y	N
Jun 2009	OI-1	L&M CSG Ltd		Y	N

Footnote PR No left blank indicates the report is confidential left blank indi-

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status Sept 2010

	Well Name	Company	PR No	WellSite	WCR
EAST COAST					
Apr 1998	Kauhauroa-1	Westech Energy NZ Ltd	2346	Y	Y
Jun 1998	Awatere-1	Westech Energy NZ Ltd	2365	Y	Y
Jun 1998	Makareao-1	Westech Energy NZ Ltd	2377	Y	Y
Aug 1998	Kiakia-1	Westech Energy NZ Ltd	2381	Y	Y
Sep 1998	Tuhara-1	Westech Energy NZ Ltd	2401	Y	Y
Nov 1998	Kauhauroa-2	Westech Energy NZ Ltd	2409	Y	Y
Dec 1998	Opoho-1	Westech Energy NZ Ltd	2414	Y	Y
Apr 1999	Kauhauroa-4	Westech Energy NZ Ltd	2256	Y	Y
Jun 1999	Kauhauroa-5	Westech Energy NZ Ltd	2431	Y	Y
Aug 1999	Kauhauroa-3	Westech Energy NZ Ltd	2445	Y	Y
Apr 2000	Tuhara-1A	Westech Energy New Zealand	2470	Y	Y
Mar 2001	Waitaria-2	Westech Energy New Zealand	2593	Y	Y
Jul 2001	Kauhauroa-4B	Westech Energy New Zealand	2610	Y	Y
Jul 2001	Tautane-1	Westech Energy New Zealand	2637	Y	Y
Dec 2001	Hukarere-1	Westech Energy New Zealand	2656	Y	Y
Jul 2002	Tuhara-1B	Westech Energy New Zealand	2706	Y	Y
Mar 2007	Waitahora-1	Westech Energy New Zealand		Y	Y
Apr 2008	Ranui-1	Discovery Geo Corp		Y	*
BASS STRAIT OFFSHORE					
Feb 2008	Wasabi-1	Apache Energy Ltd	-	Y	N
Apr 2008	Speke-1	Apache Energy Ltd	-	Y	N
Apr 2008	West Seahorse-1	3D Oil Limited	-	Y	N
May 2008	Wardie-1	3D Oil Limited	-	Y	N
May 2008	Garfish-1	Nexus Energy	-	Y	N
Jun 2008	Longtom-4	Nexus Energy	-	Y	N
Sep 2008	Bazzard-1	Stuart Petroleum Ltd	-	Y	N
Nov 2008	Peejay-1	Beach Petroleum Ltd	-	Y	N
Dec 2008	Fermat-1	Beach Petroleum Ltd	-	Y	N
WESTERN AUSTRALIA OFFSHORE					
Jul 2010	Barberry-1	Apache Energy Ltd		Y	N
Aug 2010	Stag-34	Apache Energy Ltd		Y	N
Aug 2010	Stag-35	Apache Energy Ltd		Y	N

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