

# Petroleum Exploration & Development Offshore Ireland

## Acreage Report at 30 September 2011

### Petroleum Leases

A **Petroleum Lease** vests in the Lessee the exclusive right to produce petroleum from the leased areas.

Lease	Commencement Date	Block Nos	Area (km <sup>2</sup> )	Participants (* = Operator)	% Interest
<b><u>Offshore Petroleum Lease No. 1: Kinsale/Ballycotton</u></b>	7 May 1970	48/20, 48/25, 49/16 & 49/21	1,003.03	*PSE Kinsale Energy Limited	100%
<b><u>Corrib Petroleum Lease</u></b>	15 November 2001	18/20 (p) & 18/25 (p)	29.28	*Shell E&P Ireland Limited Statoil Exploration (Ireland) Limited Vermilion Energy Ireland Limited	45% 36.5% 18.5%
<b><u>Seven Heads Petroleum Lease</u></b>	13 November 2002	48/23 (p), 48/24 (p), 48/29 (p) & 48/30 (p)	168.5	*PSE Seven Heads Limited Island Oil and Gas Plc Sunningdale Oils (Ireland) Limited	86.5% 12.5% 1%

(p) - part block

## Petroleum Exploration Licences

A petroleum exploration licence vests in the holder the exclusive right of carrying out exploration for petroleum in a specific licensed offshore area. There are three types of licenses available, as follows:-

A **Standard Exploration Licence** is issued for a period of 6 years in respect of an area with water depths of up to 200 metres.

A **Deepwater Exploration Licence** is issued for a period of 9 years in respect of an area with water depths exceeding 200 metres.

A **Frontier Exploration Licence** is issued in respect of an area with special difficulties related to physical environment, geology or technology – where such an area is specified and announced by the Minister for Communications, Energy and Natural Resources as a 'Frontier Area'. This licence type is valid for a period of not less than 12 years and comprises a maximum of 4 phases.

Licence	Licence Period	Block No.	Area (km <sup>2</sup> )	Participants (* = Operator)	% Interest
<u>2/94</u> Frontier	15 March 1994 - 14 March 2012	12/2 (p), & 12/8 (p)	231.88	*Shell E&P Ireland Limited Eni Ireland BV STX Ireland Ltd OMV (Ireland) Exploration GMBH	25% 40% 25% 10%
<u>3/94</u> Frontier	15 March 1994 - 30 June 2012	18/19 (p) & 18/20 (p)	232.39	*Shell E&P Ireland Limited Statoil Exploration (Ireland) Limited Vermilion Energy Ireland Limited	45% 36.5% 18.5%
<u>5/94</u> Frontier	15 March 1994 - 14 March 2012	19/2 (p), 19/3 (p), 19/7 (p), 19/8, 19/11 (p), 19/12 (p), 19/16 (p) & 19/17 (p)	657.22	*Statoil Exploration (Ireland) Limited Hess Exploration Ireland Limited Shell E&P Ireland Limited Shell E&P Ireland Offshore Inc.	39.348% 42.065% 13.587% 5%
<u>7/97</u> Frontier	4 June 1997 - 1 December 2019	11/20, 11/23 (p), 11/24, 11/25, 11/28 (p), 12/11 (p), 12/12 (p) & 12/16 (p)	1,327.66	*Eni Ireland BV	100%
<u>1/99</u> Frontier	15 March 1999 - 31 December 2020	43/19, 43/20, 43/24, 43/25, 43/28 & 43/29	1,553.62	*Eni Ireland BV ExxonMobil Exploration and Production Ireland (Offshore) Limited Providence Resources Plc Sosina Exploration Limited	60% 36%  3.2% 0.8%
<u>1/04</u> Frontier	15 April 2004 - 14 April 2020	26/27 (p), 26/28, 35/2 (p) & 35/3 (p)	622.06	*Island Assets Porcupine Limited Valhalla Oil and Gas (Porcupine) Limited Supernova Ireland Resources B.V.	41.5% 38.5% 20%
<u>2/04</u> Frontier	15 November 2004 - 14 March 2023	35/8 & 35/9	500.95	*Providence Resources Plc Chrysaor E&P Ireland Limited Sosina Exploration Limited	56% 30% 14%

(p) - part block

## Petroleum Exploration Licences (cont'd)

Licence	Licence Period	Block No.	Area (km <sup>2</sup> )	Participants (* = Operator)	% Interest
<b>3/04</b> Frontier	15 November 2004 - 14 November 2021	44/18, 44/23, 44/24, 44/29, & 44/30	1,295.27	*ExxonMobil Exploration and Production Ireland (Offshore) Limited Eni Ireland BV Providence Resources Plc Sosina Exploration Limited	40%  40% 16% 4%
<b>3/05</b> Frontier	1 July 2005 - 30 June 2022	18/10, 19/1 & 19/6	715.58	*Island Rockall JV Limited Island Oil & Gas Ltd	50% 50%
<b>4/05</b> Standard	1 November 2005 - 31 October 2011	49/17 (p), 49/22 (p) & 49/23 (p)	258.49	*Island Expro Limited Valhalla Oil and Gas Limited Encore Exploration Limited	65% 20% 15%
<b>5/05</b> Standard	1 November 2005 - 31 October 2011	48/26 (p), 48/27 (p), 57/1 (p), 57/2	664.2	*Island Expro Limited Valhalla Oil and Gas Limited Encore Exploration Limited	62.5% 25% 12.5%
<b>1/06</b> Frontier	1 December 2006 - 30 November 2021	27/4, 27/5 (p) & 27/9	610.55	*Serica Energy (UK) Limited RWE DEA AG	50% 50%
<b>4/06</b> Frontier	1 December 2006 - 30 November 2022	27/17 (p), 27/18, 27/22 (p) & 27/23	741.48	*Island Oil and Gas plc Lundin Exploration BV	50% 50%
<b>1/07</b> Standard	1 February 2007 - 31 January 2013	41/25 (p), 42/21 (p), 41/30 (p), 42/26 (p), 50/5 (p) & 51/1 (p)	302.22	*Providence Resources P.l.c	100%

(p) - part block

## Petroleum Exploration Licences (cont'd)

Licence	Licence Period	Block No.	Area (km <sup>2</sup> )	Participants (* = Operator)	% Interest
<u>2/07</u> Standard	1 February 2007 - 31 January 2013	49/9 (p), 49/13 (p), 49/14 (p), 49/18 (p), 49/19 (p), 50/6 (p), 50/7 (p) & 50/11 (p)	107.23	*Providence Resources P.I.c Challenger Minerals (Celtic Sea) Limited Dyas BV Atlantic Petroleum (Ireland) Limited Forest Gate Resources Inc Sosina Exploration Limited	43.5294% 16.325% 16.325% 10.8824% 7.5% 5.4412%
<u>4/07</u> Standard	1 August 2007 - 31 July 2015	49/11 (p), 49/12 (p), 49/13 (p), 49/17 (p) & 49/18 (p)	542.37	*Lansdowne Celtic Sea Limited	100%
<u>5/07</u> Standard	1 August 2007 - 31 July 2015	48/17 (p), 48/18 (p), 48/19 (p), 48/22 (p) & 48/24 (p)	365.81	*Lansdowne Celtic Sea Limited Sunningdale Oils (Ireland) Limited	99% 1%
<u>3/08</u> Frontier	12 March 2008 - 11 March 2021	61/9, 61/10 & 62/6	801.62	*Island Oil and Gas Plc Supernova Ireland Resources BV	50% 50%
<u>4/08</u> Frontier	12 March 2008 - 11 March 2020	35/2 (p), 35/3 (p) & 35/4,	370.42	*Providence Resources Plc Chrysaor E&P Ireland Limited Sosina Exploration Limited	56% 30% 14%

(p) – part block.

## Petroleum Exploration Licences (cont'd)

Licence	Licence Period	Block No.	Area (km <sup>2</sup> )	Participants (* = Operator)	% Interest
<b>5/08</b> Standard	1 April 2008 - 31 July 2015	47/25 (p), 48/21 (p), & 48/22 (p)	448.68	*Milesian Oil & Gas Limited	100%
<b>1/09</b> Frontier	21 July 2009 - 20 July 2025	5/17, 5/18, 5/22, 5/23, 5/27 & 5/28	993.5	*Serica Energy (UK) Limited	100%

(p) - part block.

## Licensing Options

A **Licensing Option** gives the Holder the first right to an Exploration Licence over all or part of the area covered by the Option.

Option No	Option Period	Block Nos.	Area (km <sup>2</sup> )	Participants (* = Operator)	% Interest
<b>08/1</b> Offshore	14 July 2008 - 13 July 2011- Now expired  (Follow- on application for exploration Licence received)	48/22 (p), 48/23 (p), 48/24 (p), 48/27 (p), 48/28 (p), 48/29 (p) & 48/30 (p)	291.69	* Providence Resources Plc Lansdowne Celtic Sea Limited Island Expro Limited	50% 20% 30%
<b>08/2</b> Offshore	18 August 2008 - 17 August 2011- Now expired.  (Follow-on application for exploration Licence received)	32/25 (p), 33/16 (p), 33/17 (p), 33/18 (p), 33/21, 33/22 (p), 33/23 (p), & 33/26 (p).	958.47	*Providence Resources plc Star Energy Oil and Gas Ltd	50% 50%
<b>09/1</b> Offshore	2 March 2009 - 1 March 2012	48/14 (p), 48/15 (p), 49/11 (p) & 49/12 (p)	314.77	*Lansdowne Celtic Sea Limited	100%
<b>10/1</b> Offshore	1 February 2010 – 31 January 2012	48/19 (p)	90.10	* Providence Resources plc Nautical Petroleum Plc.	60% 40%
<b>10/2</b>	1 December 2010 – 30 November 2012	33/18, 33/22, 33/23, 33/27 & 33/28	626.46	Albativ Resources Ltd	100%
<b>11/1</b> Onshore	1 March 2011 – 28 February 2013	Clare Basin	495	Enegi Oil plc.	100%
<b>11/2</b> Onshore	1 March 2011 – 28 February 2013	Northwest Carboniferous Basin	467	Lough Allen Natural Gas Company Ltd	100%
<b>11/3</b> Onshore	1 March 2011 – 28 February 2013	Northwest Carboniferous Basin	986	Tamboran Resources PTY Ltd	100%

## Petroleum Prospecting Licences

A Petroleum Prospecting Licence is non-exclusive and confers on the Licensee the right to search for petroleum in any area where an Exploration Licence, Reserved Area Licence or Petroleum Lease is not in force.

<b>Licence No.</b>	<b>No. of Years</b>	<b>Licence From</b>	<b>Licensee</b>
<u>1/09</u>	3	25 May 2009	Lansdowne Celtic Sea Limited
<u>2/09</u>	3	26 July 2009	TGS-Nopec Geophysical Company ASA
<u>1/10</u>	3	23 April 2010	Providence Resources P.l.c
<u>1/11</u>	3	1 April 2011	WesternGeco Ltd.

## Company Addresses

**Atlantic Petroleum (Ireland) Limited**, Suite 7, International House, Tara Street, Dublin 2

**Albativ Resources Ltd**, 6 Northbrook Road, Dublin 6, Ireland

**Challenger Minerals (Celtic Sea) Limited**, 15375 Memorial Drive, Houston, Texas 77079-4101, USA

**Chrysaor E&P Ireland Limited**, 1st Floor, Fitzwilton House, Wilton Place, Dublin 2

**DYAS B.V.**, Rijnkade 1, 3511 LC Utrecht, The Netherlands

**Enegi Oil Plc**, 44 Peter Street, Manchester M2 5GP, UK

**Encore Exploration Limited**, 70 Sir John Rogerson's Quay, Dublin 2

**Eni Ireland BV**, World Trade Center, 17th floor, B-Tower, Strawinskylaan 1727, 1077 XX Amsterdam, The Netherlands

**ExxonMobil Exploration and Production Ireland (Offshore) Limited**, 50 Shirley Street, Nassau, New Providence, The Bahamas

**Forest Gate Resources Inc**, 1 Place Ville Marie, Suite 2125, Montreal, Quebec, H3B 2C6, Canada

**GX Technology Corporation**, 2101 CityWest Blvd., Building III, Suite 900, Houston, TX 77042 ; USA

**Hess Exploration Ireland Limited**, Caledonian House, Dr. Roy's Drive, P.O. Box 1043GT, George Town, Grand Cayman, Cayman Islands

**Island Assets Porcupine Limited**, 27 Lower Mount Street, Dublin 2

**Island Expro Limited**, 27 Lower Mount Street, Dublin 2

**Island Oil and Gas Plc**, 27 Lower Mount Street, Dublin 2

**Island Rockall JV Limited**, 27 Lower Mount Street, Dublin 2

**Lansdowne Celtic Sea Limited**, 26 Upper Pembroke Street, Dublin 2

**Lundin Exploration BV**, Amaliastraat 3-5, 2514 JC, The Hague, The Netherlands

**Marathon International Petroleum Hibernia Limited**, Mahon Industrial Estate, Blackrock, Co. Cork

**Milesian Oil & Gas Limited**, 26 Upper Pembroke Street, Dublin 2

**OHM Ltd**, The Technology Centre, Claymore Drive, Aberdeen AB23 8GD, United Kingdom

**OMV (Ireland) Exploration GMBH**, Gerasdorferstrasse 151, A - 1210 Vienna, Austria

**OMV (Ireland) Killala Exploration GMBH**, Gerasdorferstrasse 151, A - 1210 Vienna, Austria

## Company Addresses (continued)

**Providence Resources Plc**, Airfield House, Airfield Park, Donnybrook, Dublin 4

**PSE Kinsale Energy Limited**, Mahon Industrial Estate, Blackrock, Co. Cork

**PSE Seven Heads Limited**, Mahon Industrial Estate, Blackrock, Co. Cork

**RWE DEA AG**, Uberseering 40, 22297 Hamburg, Germany

**San Leon Energy Plc** 3300 Lake Drive, Citywest Business Campus, Dublin24

**Serica Energy (UK) Limited**, 52 George St. London W1U 7EA U.K.

**Shell E&P Ireland Limited**, Corrib House, 52 Lower Leeson Street, Dublin 2

**Shell E&P Ireland Offshore Inc.**, Corrib House, 52 Lower Leeson Street, Dublin 2

**Sosina Exploration Limited**, Chandos Place, Covent Garden, London WC2N 4HS, United Kingdom

**Star Energy Oil and Gas Ltd**, Burdett House, 15/16 Buckingham Street London WC2N 6DU

**Statoil Exploration (Ireland) Limited**, Statoil House, 6 George's Dock, IFSC, Dublin 1

**STX Ireland Limited**, 1 Stokes Place, St Stephens Green, Dublin 2

**Sunningdale Oils (Ireland) Limited**, Sandy Lodge, Sandy Lane, Kingswood, Surrey, KT20 6ND, England

**Supernova Ireland Resources B.V.**, Marsstrat 33, 2132 HR Hoofddorp, The Netherlands

**Tamboran Resources PTY Ltd.** 19 Inishanier, Killinchy, Newtownards, Co. Down, BT23 6SU, Northern Ireland.

**TGS-NOPEC Geophysical Company ASA**, Hagaløkkveien 13, N-1383 Asker, Norway

**Valhalla Oil and Gas Limited**, 2nd Floor, Church Gate, 9-11 Church Street West, Woking, Surrey, GU21 6DJ, United Kingdom

**Vermilion Energy Ireland Limited**, 70 Sir John Rogersons Quay, Dublin 2.

**Wavefield Inseis ASA**, Strandveien 15, P.O. Box 123, N-1325 Lysaker, Norway