

# **Providence Resources**

Leadership in the Irish Offshore



TENA ICEMA

Photo courtesy of Stena Drilling Ltd.

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## Providence

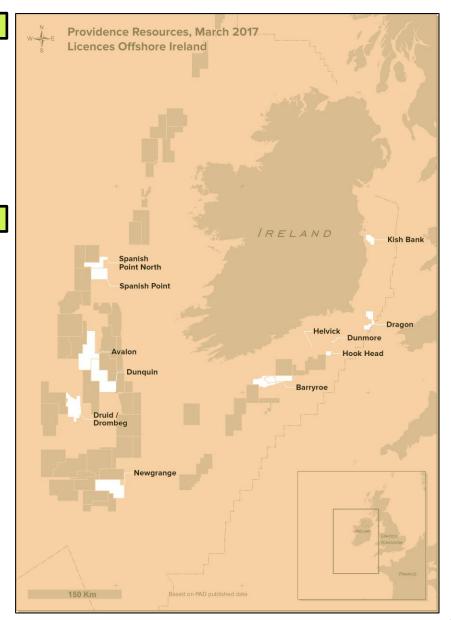


#### **IRELAND IS ATTRACTIVE FOR E&P**

- Proven hydrocarbon systems and attractive fiscal regime
- 2015 Atlantic Margin Licensing Round and Providence/ Schlumberger Exploration Collaboration Project - major catalysts
- Established ports/infrastructure and connected to the European gas supply network

### **PROVIDENCE IS CENTRAL TO THE IRISH E&P SPACE**

- Irish managed and operated with the leading knowledge base offshore Ireland - over 20 years operating experience
- Since 2004 Providence has drilled 6 wells (of which 5 were operated) and participated in 14 seismic surveys - investing c. \$200 million
- Diversified portfolio of licenses mix of material appraisal/development and exploration opportunities
  - + 300 MMBOE net audited 2C Contingent Resources
  - + 6,000 MMBOE gross un-risked Prospective Resources STOIIP (Pmean)
- Clear strategy endorsed by shareholders and world class partners
- High impact exploration drilling and 3D seismic acquisition in 2017



## Providence – cont'd

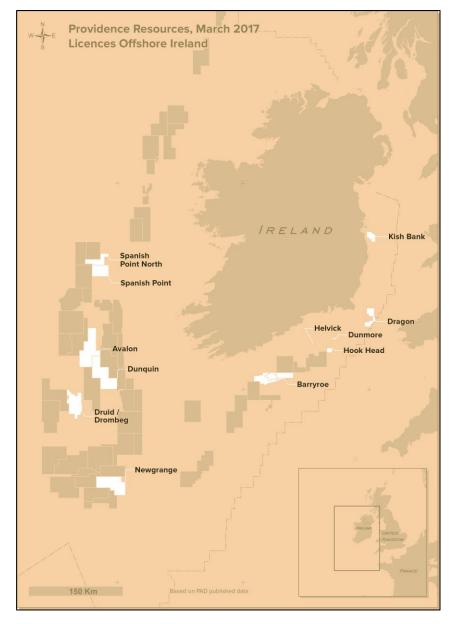


#### **STRONG FINANCIAL POSITION**

- 2016 capital raise at £0.12 /share raised c. \$70 million
- Provided the financial resources to execute the planned programme
- Providence is now debt free
- Year end cash of €31.4 million
- Industry cost profile at 10 year lows

#### SHAREHOLDER ENDORSED STRATEGY

- Leading Tier 1 Investors
- Major shareholders (above 3% as of 11<sup>th</sup> April 2017):
  - M&G Investments 14.67%
  - The Capital Group 9.71%
  - Pageant Holdings 7.45%
  - Merseyside 7.20%
  - Henderson 5.99%
  - Marlborough Ltd 4.86%
  - BlackRock 3.51%
  - Goldman Sachs 3.07%





#### FORWARD PROGRAMME

#### Drill dual objective exploration well

DRUID	3.2 BBO STOIIP (Pmean)
DROMBEG	<u>1.9</u> BBO STOIIP (Pmean)
	5.1 BBO STOIIP (Pmean)

#### Target farm outs

BARRYROE DRUID & DROMBEG SPANISH POINT DUNQUIN SOUTH AVALON NEWGRANGE 346 MMBOE (2C REC)
5.1 BBO STOIIP (Pmean)
337 MMBOE (2C REC)
1.4 BBO STOIIP (Pmean)
TBC (Volume)
9.2 BBO STOIPP or 13.6 TSCF
GIIP (Pmean)

#### 3D seismic

Licence 1,800  $\rm km^2$  3D seismic to be acquired over DUNQUIN





Stena IceMAX contracted for 2017 Drilling



## **Focussed on Offshore Ireland**



## Providence - Strategy & Development

#### **GEOGRAPHIC FOCUS**

 Ireland – specifically the BARRYROE appraisal asset in the Celtic Sea and the DRUID & DROMBEG, DUNQUIN SOUTH, AVALON, and NEWGRANGE exploration assets in the southern Porcupine Basin

#### **ASSET FOCUS**

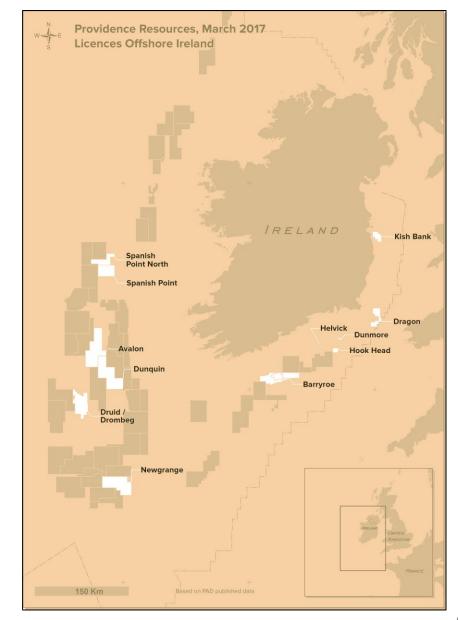
- Via farm-outs/balance sheet capital, progression of assets through to drilling phase
- General focus on oil opportunities, followed by potential mega-gas projects
- Well productivity, fluid phase and resource density are key drivers for investment decisions
- Watching brief on potential synergies with other operators in Ireland

#### **HSE FOCUS**

 Implementation of all major UK & EU standards and policies to ensure safe and environmentally friendly operating environment

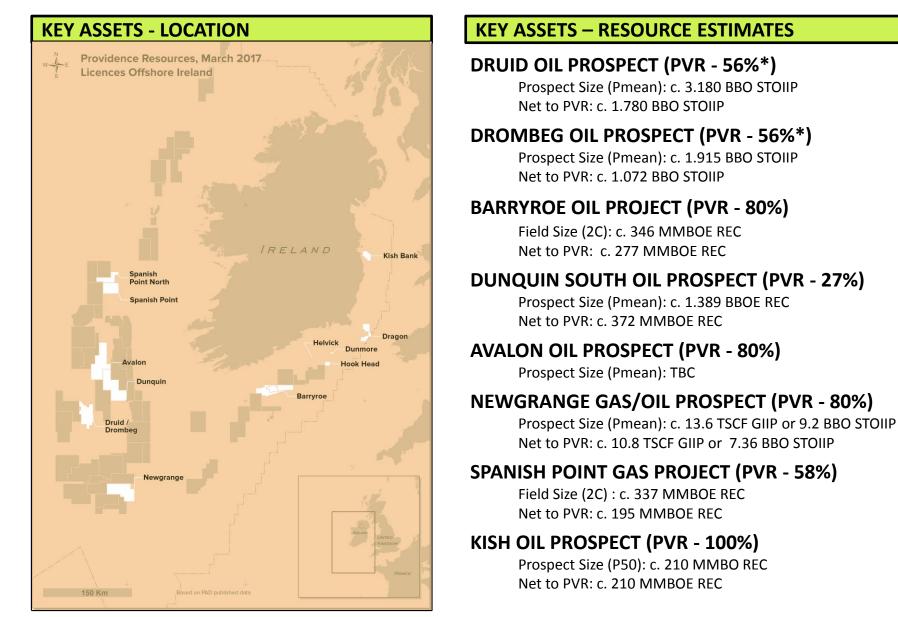
#### **COST FOCUS**

- Rigorous controls in place to ensure low cost operator status, without compromising HSEQ standards
- Removal of non-core assets whilst adding new assets which will be impacted by future drilling



## Providence - Focused on Offshore Ireland





Map source: DECC (<u>https://www.gov.uk/</u>), PAD (<u>http://www.dcenr.gov.ie/</u>)



## FY 2016 Results



## FY 2016 Results

## Barryroe Oil Project, North Celtic Sea Basin (SEL 1/11)

- 2 year extension to the 1st phase of SEL 1/11 to July 2017 and an extension to 2nd phase term to July 2019
- Area of SEL 1/11 increased by c.118 km<sup>2</sup> to accommodate mapped potential extensions of Barryroe, formerly located within LO 12/4, which expired
- Conclusion of all litigation against Transocean
- Upper C-Sand GIIP within SEL 1/11 & OPL1 Option area now estimated at c. 400 BSCF
- Farm-out discussions continued to be progressed

#### Offshore Petroleum Lease 1 (OPL 1) South Option, North Celtic Sea Basin

- Option with PSE Kinsale Energy Limited (KEL) for a right to earn a 60% working interest in southern portion of OPL1 (subject to Ministerial consent) exercisable for a 3-year period
- Option is earned through the 100% financing and drilling of exploration well to the Base Wealden interval
- Based on Providence mapping, this area has the potential to host significant incremental resources

### Spanish Point Gas Condensate Project, Northern Porcupine Basin (FEL 2/04 and 4/08)

- Adjacent third party Licensing Options awarded in 2016 from the 2015 Atlantic Margin Licensing Round

#### Helvick/Dunmore Oil Discoveries North Celtic Sea Basin

- Award of Lease Undertakings
- 50% staged farm in by Marginal Field Development Company Limited

## FY 2016 Results - cont'd



## Dunquin Oil Prospect, Southern Porcupine Basin (FEL 3/04)

- Dunquin North post-well technical studies continuing with evidence of more significant residual oil
- Adjacent third party Licensing Options awarded in 2016 from the 2015 Atlantic Margin Licensing Round
- Eni appointed Operator
- Providence's equity increased to 26.846%

## Druid & Drombeg Oil Prospects, Southern Porcupine Basin (FEL 2/14)

- Multi-domain analysis with Schlumberger confirms that 3D seismic responses from the Druid & Drombeg prospects are consistent with the presence of 2 large vertically stacked stratigraphically trapped oil accumulations
- Total cumulative in place un-risked prospective resources of c. 5.095 BBO (Pmean)
  - Druid c. 3.180 BBO (Pmean)
  - Drombeg c. 1.915 BBO (Pmean)
- Large deeply buried pre-Cretaceous Diablo Ridge presence confirmed
- Adjacent third party Licensing Options awarded in 2016 from the 2015 Atlantic Margin Licensing Round
- Druid and Drombeg exploration prospects to be evaluated with a single vertical well (designated 53/6-A)
- LR Senergy appointed as Well Management Company
- Drilling contract signed with Stena for use of the Stena IceMax drill ship
- Planned spud date is June 2017 subject to regulatory consents



## Avalon Oil Prospect, Porcupine Basin (LO 16/27)

- Award of new Licensing Option in 2016 from the 2015 Atlantic Margin Licensing Round
- Large AVO stratigraphic Paleocene oil play identified
- Identified prospect is analogous to and spatially larger than the Druid prospect

### Newgrange Prospect, Goban Spur Basin (FEL 6/14)

- Schlumberger Collaboration Project supports top seal and reservoir presence for Cretaceous target
- Prospective Resource Potential of c. 13.6 TSCF GIIP or c. 9.2 BBO STOIIP
- Top Seal capacity analysis indicates potential for a hydrocarbon column of up to 350 metres
- Adjacent third party Licensing Options awarded in 2016 from the 2015 Atlantic Margin Licensing Round

## Kish Bank Oil Prospect, Kish Bank Basin (SEL 2/11)

- Company's working interest increased to 100%
- Extension to the 1st phase of SEL 2/11 to August 2018 and an overall extension of one year to the licence term until August 2020

## Relinquishments made to License Authorisations over:

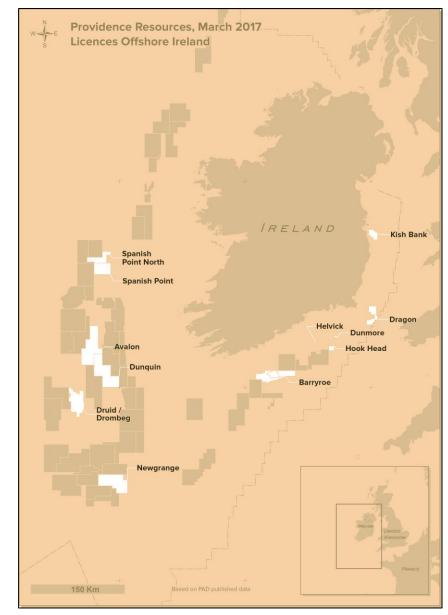
- Cuchulain (FEL 1/99), Southern Porcupine Basin
- Polaris (P1885), Rathlin Basin
- Dragon (UK) (P1885), St George's Channel Basin
- Spanish Point South (FEL 1/14), Northern Porcupine Basin
- Silverback (LO 13/4), South Celtic Sea Basin



## FY 2016 Results - cont'd

#### **FINANCIAL RESULTS**

- Operating Loss for the period of €18.844 million versus
   €13.080 million (2015)
- Loss of €20.546\* million versus €24.147 million (2015)
- Loss per share of 5.80 cents versus 19.57 cents (2015)
- At December 31, 2016, total cash and cash equivalents were €31.400 million versus €6.518 million (2015)
- In June 2016, £53.712 million was raised through a Placing of 447.607 million shares at £0.12 pence per share
- In June 2016, €1.516 million was raised through an Open Offer with the issuance of 9.975 million shares at €0.152 cents per share
- Providence has no debt at December 31, 2016 versus
   €18.289 million (2015)
- Total issued and voting share capital comprises
   597,658,958 ordinary shares of €0.10 each



<sup>\*</sup> Includes impairment charge of €15.1 million



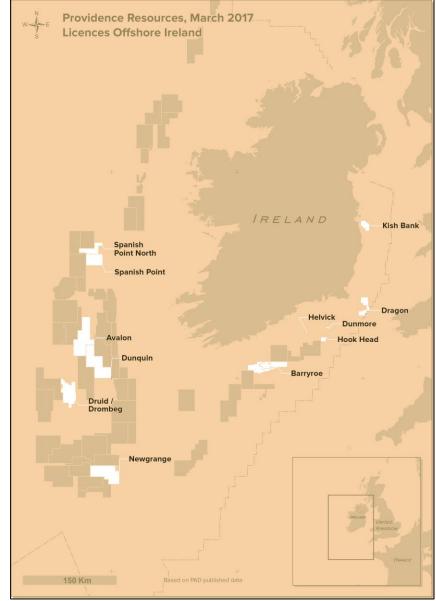
## Post FY 2016 Events



## Post FY 2016 Events

## Druid & Drombeg Oil Prospects, Southern Porcupine Basin (FEL 2/14)

- Farm Out with Cairn, subject to Ministerial approval
- 30% equity participation in return for:
  - the payment of 30% of sunk costs
  - payment of 45% of well costs (up to a gross well cost of \$42 million)
  - Payment of 40% of costs for a contingent appraisal well (up to a gross well cost of \$42 million)
- Cairn have an option to take over Operatorship if an appraisal well is drilled
- The current revised equity ownership is
   Providence 56% (Operator), Cairn 30% and Sosina 14%
- Dunquin Oil Prospect, Southern Porcupine Basin (FEL 3/04)
  - Licensing of 1,800 km<sup>2</sup> 3D seismic to be acquired in 2017 as part of a multi-client 3D acquisition programme





## Leadership Role in the Porcupine Basin



## Providence - Leadership Role in the Porcupine Basin

W S E	Providence Resources, December 2004 Porcupine Basin	
	— Spanish Point	IRELAND
	EM M	and a second
	100 Km Based on PAD and third party published data	Песко Онтер Клосон Римсе

#### 2004

Licensed DUNQUIN & SPANISH POINT

#### <u>2006</u>

- ExxonMobil (XOM) farm in to DUNQUIN
- Licence Option secured for NEWGRANGE with XOM
- 2D seismic acquired over DUNQUIN, NEWGRANGE, DRUID & DROMBEG

#### 2008

- Chrysaor farms into SPANISH POINT
- Licence Option secured over DRUID/ DROMBEG with XOM
- XOM assumes Operatorship of **DUNQUIN**
- 2D seismic acquired over DRUID & DROMBEG

#### <u>2009</u>

- ENI farm-in to DUNQUIN and JV make well commitment
- 3D seismic acquired over SPANISH POINT

#### <u>2011</u>

- 3D seismic acquired over SPANISH POINT NORTH
- Repsol farm-in to DUNQUIN
- Secures Licence Options for DRUID & DROMBEG and NEWGRANGE

#### <u>2013</u>

- DUNQUIN NORTH well drilled 600 MMBO residual oil accumulation
- Cairn farm-in to SPANISH POINT

#### <u>2014</u>

- 3D seismic acquired over DRUID & DROMBEG
- 2D seismic acquired over NEWGRANGE
- 3D seismic acquired over SPANISH POINT SOUTH

#### <u>2015</u>

 Collaborative Study with Schlumberger – DRUID & DROMBEG, NEWGRANGE & DUNQUIN SOUTH

#### <u>2016</u>

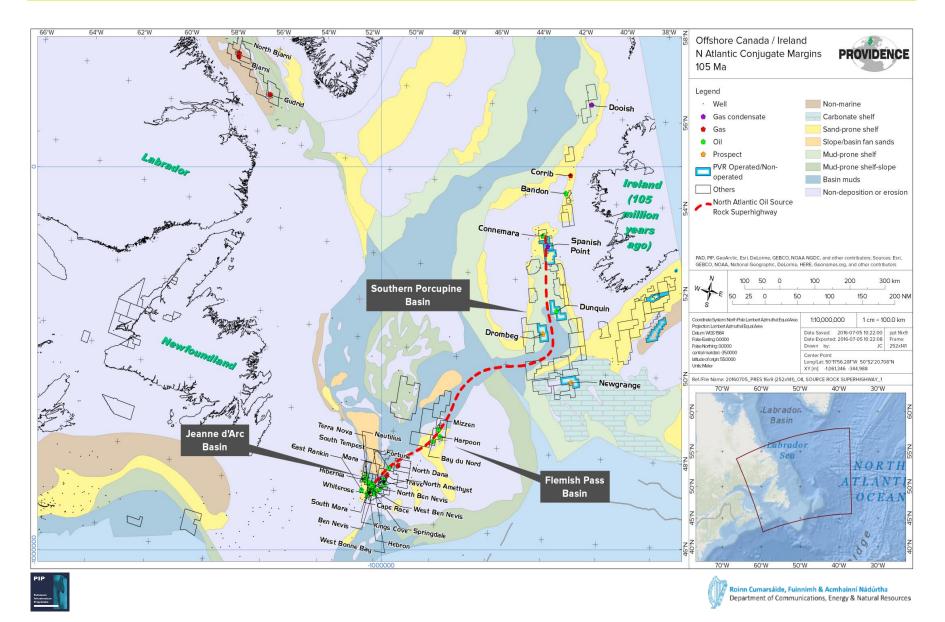
Advance work for 2017 drilling of DRUID & DROMBEG

#### <u>2017</u>

- Cairn Farm-in to DRUID & DROMBEG
- 3D seismic to be acquired over DUNQUIN



## North Atlantic Source Rock Superhighway



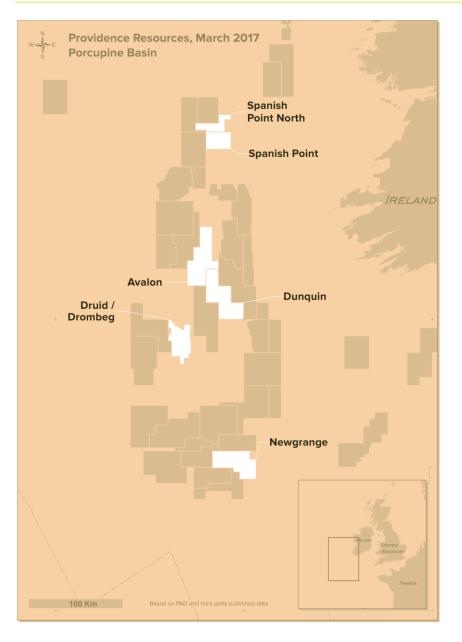


## Porcupine Basin Licence Activity – 2004 vs 2017





## Schlumberger Exploration Collaboration Project



#### 2015

- Providence and Schlumberger sign agreement to carry out Exploration Collaboration Project
- Project commenced primarily designed to focus on the DRUID & DROMBEG, NEWGRANGE and DUNQUIN
   SOUTH exploration prospects
- 30 technical professionals worked on this project, which included 24 specialists from Schlumberger and a further 6 from PVR/Sosina
- The primary technical disciplines included Geology, Geophysics, Geo-mechanics and Petroleum Systems Modelling
- Initial focus was on the DRUID & DROMBEG exploration prospects (new 3D seismic) and then the NEWGRANGE exploration prospect

#### 2016

- Results of Project issued for DRUID & DROMBEG in April 2016
- Results of Project issued for NEWGRANGE in July 2016
- Well Commitment made to Irish government in September 2016

## **Results of Schlumberger Exploration Collaboration Project**



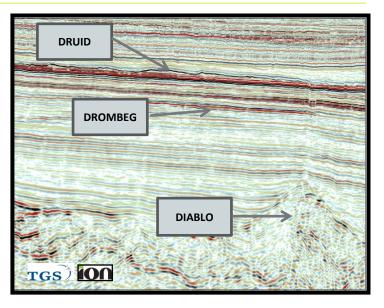
### **DRUID & DROMBEG**

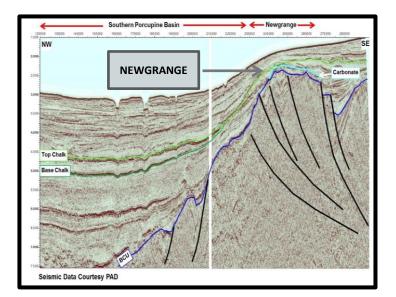
- Multi-domain analysis confirms that the 3D seismic responses from the DRUID & DROMBEG prospects are consistent with the presence of two large vertically stacked stratigraphically trapped oil accumulations
- Total cumulative in-place un-risked prospective resources of c.
   5.095 BBO:
  - DRUID c. 3.180 BBO (Pmean)
  - DROMBEG c. 1.915 BBO (Pmean)

#### NEWGRANGE

- A revised volumetric estimation was carried out incorporating the recently acquired (2014) 2D long offset seismic reflection profile data
- A seal capacity analysis, which utilized offset well data, seismic velocity data and surface mapping indicates that the present day top seal could potentially contain up to a c. 350 metre hydrocarbon column
- Total un-risked prospective resource potential of:
  - c. 13.6 TSCF GIIP (Pmean, Gas Case) or;
  - c. 9.2 BBO STOIIP (Pmean, Oil Case)

Note: Oil and Gas cases were modelled due to the uncertainty in the hydrocarbon phase which may be applicable in this area







## **Druid & Drombeg Drilling - 2017**

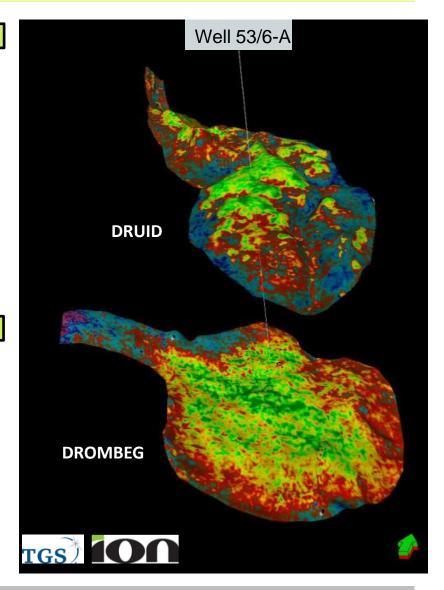
## 2017 Drilling Programme – Druid & Drombeg

#### **DRILLING - 2017**

- DRUID & DROMBEG prospects to be evaluated with a single vertical exploration well
- Well currently designated 53/6-A
- Lloyds Register (LR) appointed Well Management Company
- Stena Drilling awarded drilling contract
  - Stena IceMAX booked @ \$185K/day
- Other major contracts being let
- Projected spud date June 2017

### FARM OUT PROCESS

- Cairn Farm-In announced on March 8, 2017
- PVR's paying participation reduced from 80% to c.40%
- Revised Equity Percentages (after Farm In deal):
  - Providence (56%) Operator
  - Cairn 30%
  - Sosina 14%
- Farm out process continuing



## **VP/ VS SUPPORTS TWO STACKED SANDSTONE RICH FAN SYSTEMS**

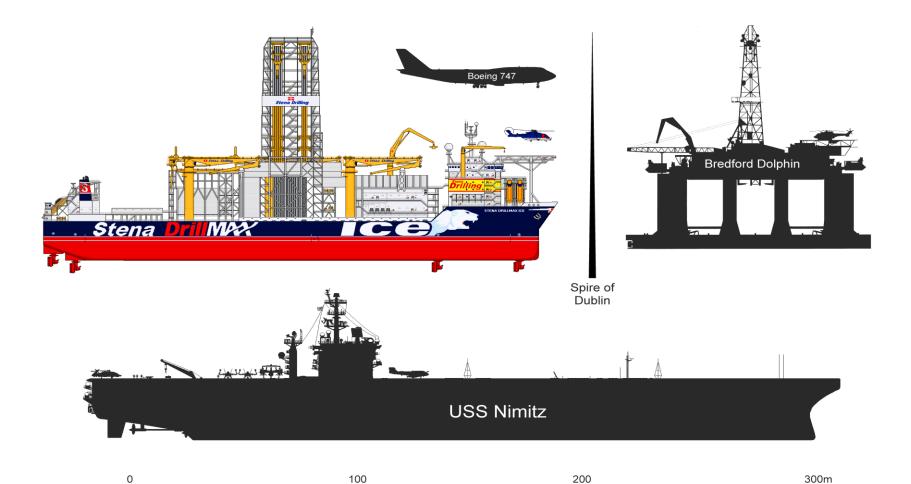


## Stena IceMAX Drillship



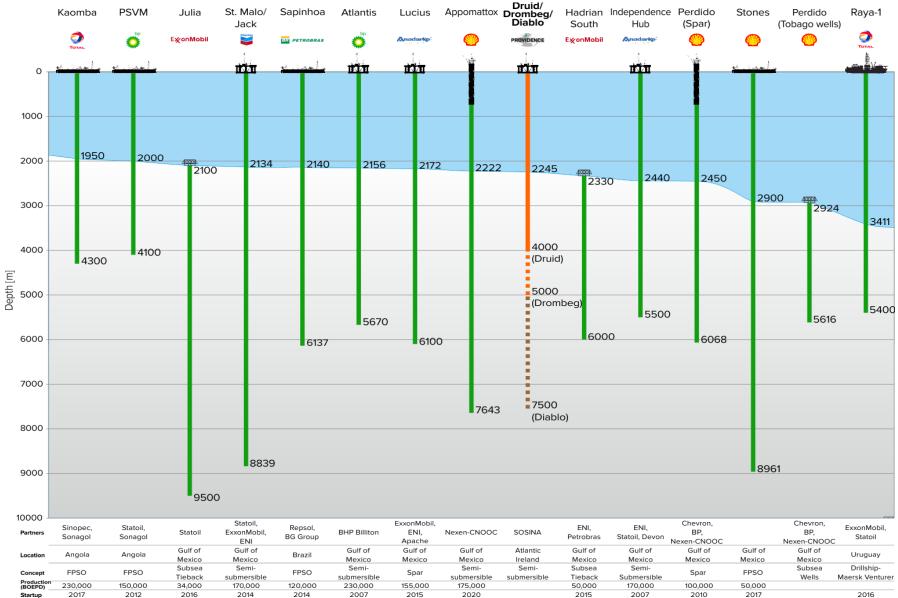
- Ice class drillship
- Flag UK
- Water depth rating 3,000m
- Accommodation 180 persons

- Build Year 2012
- DP 3 station keeping
- Drilling depth rating 10,000 metres



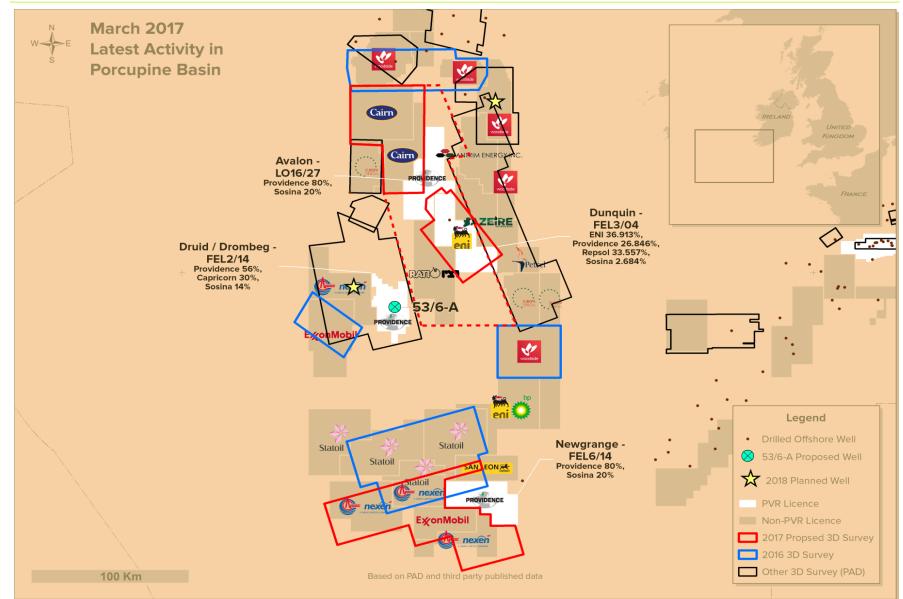


## Drilling - Druid & Drombeg – Global Analogues





## Increasing Activity in the Southern Porcupine



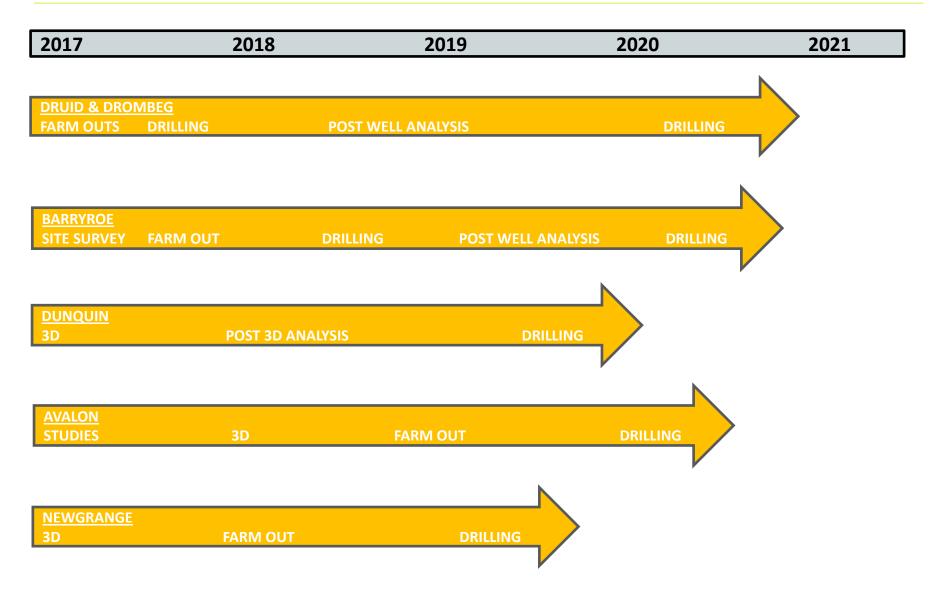
\* Based on latest scouting reports



## **The Providence Opportunity**

## Potential Activity in Providence's Core Assets\*





\* Management's view is dependent on a wide range of factors including JV partners, equipment availability and regulatory approvals

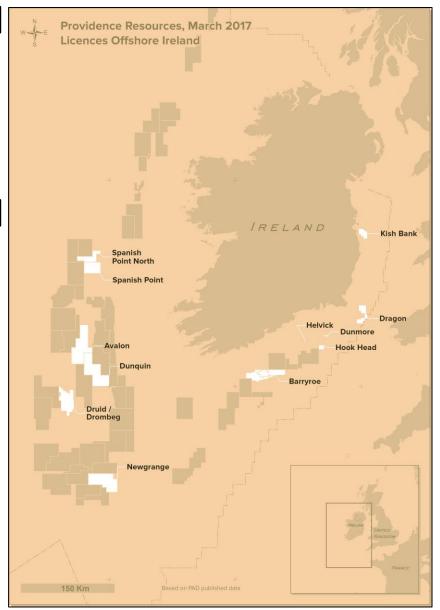


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