



25 June 2013

Manager of Company Announcements  
ASX Limited  
Level 8 Exchange Plaza  
2 The Esplanade  
PERTH WA 6000

*By E-Lodgement*

---

## Seismic Survey Commences on PEL 110

---

The Board of Orca Energy Limited (ASX: OGY) (**Orca** or the **Company**) is pleased to update the market in relation to the 3D seismic survey across its 20% owned Cooper Basin block, PEL 110.

Orca's JV partner and operator, Senex Energy Limited (ASX: SXY), today announced the commencement of its Dundinna 3D seismic program targeting conventional oil and gas across the northern Cooper Basin (announcement attached).

Approximately 176.7km<sup>2</sup> of 3D seismic will be acquired and processed across PEL 110 (OGY 20%) which currently has 7 leads and prospects identified in the Birkhead and Hutton Formations, with good stratigraphic similarities to nearby discoveries along the margin. PEL 110 is considered to be in a prospective position on the western flank of the South Australian Cooper Basin and is majority owned by Senex who holds a 60% interest in the block.

Under the sales agreement announced with Senex on 13 June 2013, Orca will be free carried through this entire program.

The PEL 110 project is located north of the Keleary and Telopea oil and gas fields and west of the James oil field (refer Figure 1.). Completion of this 3D seismic survey will be a significant further step forward in the exploration of PEL 110.

For and on behalf of the Board

**Greg Bandy**  
Executive Director

### BOARD & MANAGEMENT

Mr Greg Bandy  
EXECUTIVE DIRECTOR

Mr Jason Bontempo  
NON-EXECUTIVE DIRECTOR

Mr Jeremy King  
NON-EXECUTIVE DIRECTOR

Mr Denis Patten  
NON-EXECUTIVE DIRECTOR

Mr Arthur Pitts  
ALTERNATE DIRECTOR

Ms Rebecca Sandford  
Ms Shannon Robinson  
JOINT COMPANY SECRETARY

### REGISTERED OFFICE

Ground Floor  
1 Havelock Street  
West Perth WA 6005

### POSTAL ADDRESS

PO Box 1440  
West Perth WA 6872

### CONTACT DETAILS

Tel: +61 8 9488 5220  
Fax: +61 8 9324 2400

### WEBSITE

[www.orcaenergy.com.au](http://www.orcaenergy.com.au)

### SHARE REGISTRY

Advanced Share Registry  
150 Stirling Highway  
Nedlands WA 6009

### ASX CODE

OGY

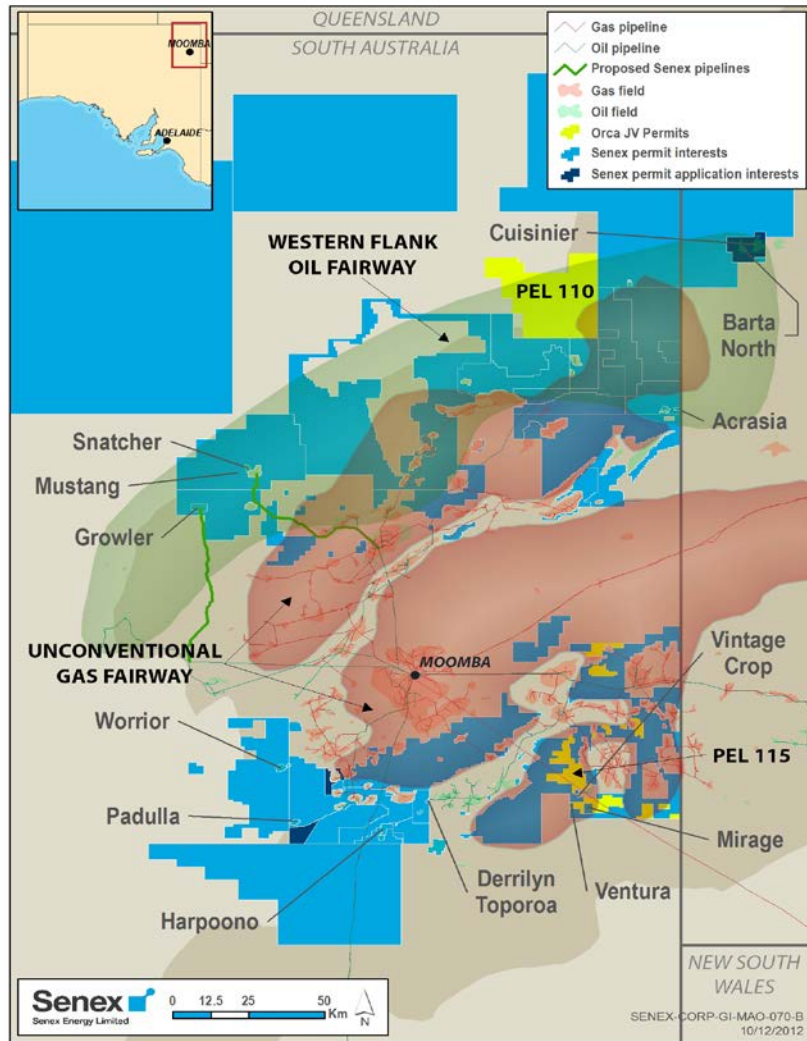


Figure 1:

## Dundinna 3D seismic survey in progress

---

Release Date: 25 June 2013

**Senex Energy Limited (Senex, ASX: SXY) has commenced a 1,037 square kilometre (km<sup>2</sup>) survey in the South Australian Cooper Basin as part of an extensive program of seismic work to identify Senex's next generation of oil and gas targets.**

The Dundinna 3D seismic survey covers six operated petroleum exploration licences (PELs) in the north of South Australia's Cooper Basin, (refer Table 1 and Figure 1). The survey is expected to be completed early in the December quarter 2013 followed by data processing and definition of exploration targets by the September quarter 2014.

The objective of the Dundinna 3D survey is to identify prospective drilling locations within the Jurassic and Triassic formations such as the Namur, Birkhead, Hutton, Poolowanna, Tinchoo and Arrabury. The survey will also aid in identifying Permian structural and stratigraphically trapped oil and gas.

The Dundinna survey area adjoins the 792 km<sup>2</sup> Cordillo 3D survey to the east and is along trend from the 316 km<sup>2</sup> Lignum 3D survey to the west (refer Figure 2). Collectively, these surveys afford Senex a significant technical advantage in mapping and interpreting the geology of the western flank.

Senex Managing Director Ian Davies said the collection of 3D seismic data is an essential part of the exploration process on the western flank of the South Australian Cooper Basin.

"3D seismic has transformed the exploration process in the Cooper Basin with average drilling success rates increasing from 23% to 48% over the last several hundred oil wells drilled since the year 2000. The collection and analysis of this data is an integral step in exploring our highly prospective tenements and identifying drilling locations."

"We are committed to using the best technology available and have already collected more than 1,100 square kilometres of 3D seismic in 2012/13. Interpretation and prospect definition work is now underway to provide targets for our ongoing drilling program that commenced on the weekend," he said.

### For further information contact:

Ian Davies  
**Managing Director**  
Senex Energy Limited  
Phone: (07) 3837 9900

Andrew Barber  
**Corporate Affairs Manager**  
Senex Energy Limited  
Phone: (07) 3335 9821 or 0418 783 701

Table 1 - Permit interests

Permit	Senex	Joint venture partners
PEL 90K	75%	Cooper Energy
PEL 100	55%	Cooper Energy, Drillsearch Energy
PEL 102	100%	
PEL 110	60%	Orca Energy, Cooper Energy
PEL 182	52.5%	Drillsearch Energy, Strategic Energy Resources, Australian Oil Co No 2
PEL 514	80%	Planet Gas

Figure 1 – Dundinna seismic survey

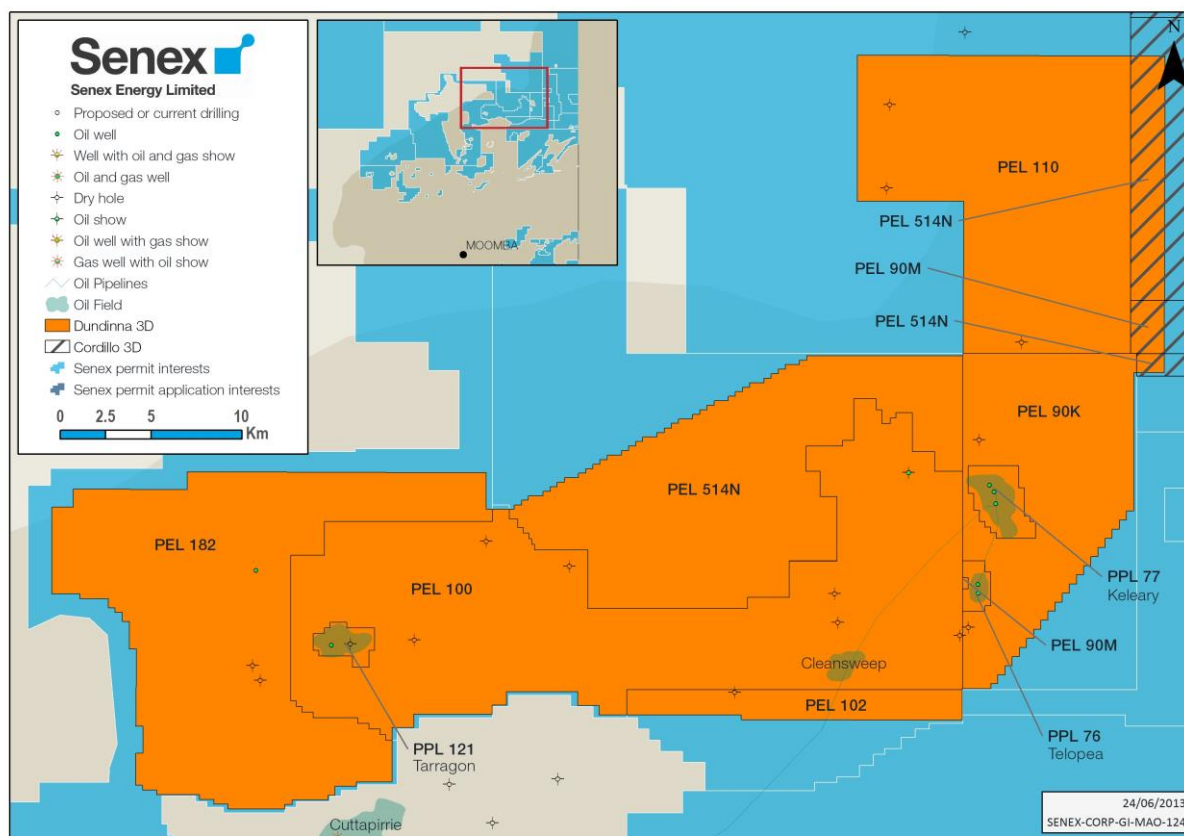


Figure 2 – Senex seismic program

