

**ASX RELEASE** 

**18 NOVEMBER, 2009** 

## PEL 111 JOINT VENTURE - SNATCHER FIELD UPDATE NOVEMBER 2009

# ANOTHER SIGNIFICANT MILESTONE FOR IMPRESS SHAREHOLDERS WILL SOON BE ACHIEVED

The recently drilled Snatcher-3 well has substantially extended the areal extent of the Snatcher Oil Field in PEL 111 and has confirmed the stratigraphic trap concept for the Birkhead Reservoir system tested by Snatcher-2. Snatcher-3 has been cased and suspended for future oil production and will be tied into the Snatcher Extended Production Test ("EPT") facilities as soon as necessary equipment and regulatory approvals can be obtained. Snatcher-1 and Snatcher-2 will commence production at the end of the month. This event, when achieved, will represent another significant milestone in the emergence of your company as an independent Cooper Basin oil producer.

This investor update provides information about the Snatcher Field, the progress on the EPT and outlines the steps that the Joint Venture will be taking over the next six months to further define the field limits and reserves through additional appraisal and infill drilling.

#### 1. Snatcher Field

The Snatcher Field is located within PEL 111 and is adjacent to the Santos operated Charo Field in PPL 177 as shown on Figure 1. PEL 111 surrounds the Charo PPL. Three wells have been drilled so far by the PEL 111 Joint Venture that define an oil productive area with a strike length of 1.7 kilometres. The oil is good quality with very low associated gas content and has an API gravity of 48, which is very similar to Growler crude. The crude will be sold at Tapis (a Malaysian marker crude) price. Tapis usually trades at a premium to West Texas Intermediate ("WTI") prices.

The wells were drilled to explore a channel system within the Birkhead Formation defined by 3D seismic. Snatcher-2 and Snatcher-3 were drilled outside of structural closure. Well results are given in the Table below.

**Table 1 Well Summaries** 

Well	Total Depth (m)	Gross Oil Column (m)	Net Oil Column (m)	Remarks
Snatcher-1	1880	15	12	
Snatcher-2	1825	17	10	Same OWC as Sn-1
Snatcher-3	1855	*22	10	**LKO only

### Notes to table:

- \* The oil column in Snatcher-3 is in two discrete sand bodies, the uppermost of which is not developed in the offset wells. This new sand provides further exploration objectives. The net oil column in Snatcher-3 refers only to the main channel sand.
- \*\* LKO is Lowest Known Oil. The oil column in Snatcher-3 sits above impermeable section which should act as a barrier to early water production.

Pressure information obtained in both Snatcher-1 and Snatcher-2 indicate that there has been minor pressure depletion of the Birkhead reservoir by production from the adjacent Charo Oil Field which has been on production since mid 2008. Snatcher-3 reservoir pressures are less depleted.

The pressure data, however, indicates that it is most likely that the two fields represent a single large accumulation. The Charo Field is discussed in more detail in Section 2 of this release.

Edge of **Impress** Mollichuta 3D EnergyLIMITED Charo 3D Snatcher-Charo Fields Location Map Nov 2009 **PEL 111** PPL 177 Representative Drainage circles Green: 80 acres Red: 160 acres Edge ers Creek Road 1 km

Figure 1 Snatcher Well Locations (image from Google Earth)

As currently defined the field is "open" to the northwest, northeast and southwest and reserves assessment is based solely on well drainage areas. It is not clear, at this stage of the field's assessment, as to what geological factor controls the field's ultimate closure to the northwest.

The three Snatcher wells were located on the basis of a seismically defined channel system within the Birkhead Formation (the channel indicates likely presence of good reservoir properties but does not necessarily define the geological control on the "container" which is the accumulation).

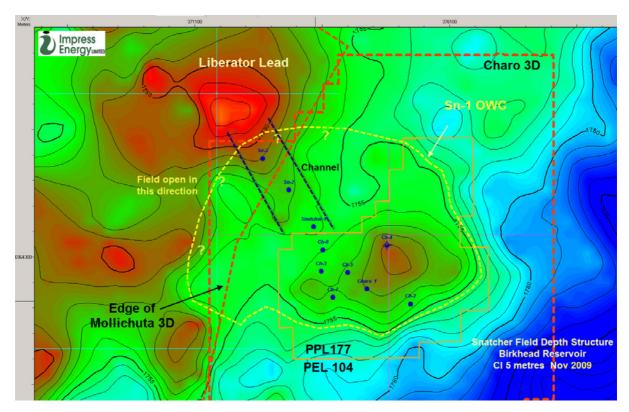
The extent of the field and the channel system to the northwest will be further defined once processing of the Mollichuta 3D seismic is completed early in 2010. However, on the basis of the poor quality 2D seismic data, the structure rises to the northwest towards a structural lead previously designated Liberator by the Joint Venture, as shown on Figure 2.

The Snatcher wells have been located on the basis of a 160 acres drainage area for each well and there is scope to infill these drainage areas to a more conventional 80 acre spacing for Birkhead wells dependent on well performance. For the purpose of reserves definition, Proved reserves per well are based on 80 acre drainage and Proved and Probable reserves are based on 160 acre drainage. Representative drainage circles around Snatcher-2 are shown on Figure 1.

Based on the reservoir thickness and characteristics, the average channel width of 400 metres and typical recovery of oil-in-place for Birkhead Fields, it is estimated that proved reserves per well are 240,000 barrels of oil. Proved and probable reserves per well are estimated to be 480,000 barrels of oil. A clearer prediction of oil recoveries will be established once the wells are on production and the drive mechanism to the field is clearer.

Until further appraisal drilling has been undertaken, however, the ultimate reserves attributable to the accumulation cannot be determined.

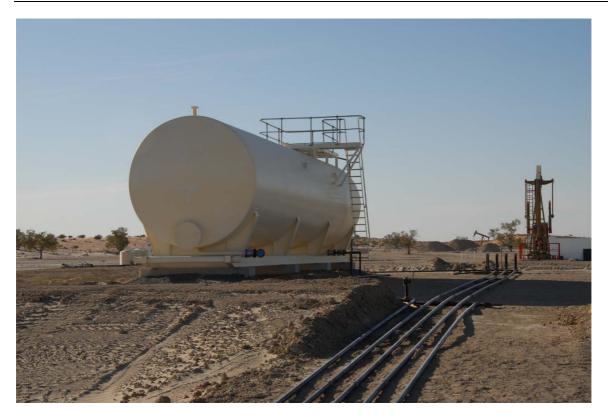
Figure 2 Birkhead Reservoir depth structure Map based on 2D Seismic



Snatcher-1 and Snatcher-2 have been completed and are on schedule to be placed on production at the end of November. The two wells are expected to produce at a combined rate of 800 BOPD on pump. The Joint Venture has executed an oil sales agreement with the Cooper Basin Producers for Snatcher crude which will initially be trucked to Moomba using existing Santos roads. The main oil storage and loadout facility has been temporarily located near Snatcher-1.

## Pump and storage tank, Snatcher-1





#### 2. Charo Field

The Charo Field was discovered in 1984 and PPL 177 over the field was granted in 1999. Charo-1 encountered only poor quality reservoir section and was not produced but oil was recovered from the well on a Drill Stem Test. In late 2007, the Operator of the PPL, Santos Limited, drilled two appraisal wells, Charo-2 and Charo-3, with the latter being 800 metres from Snatcher-1. Both wells were completed as Birkhead producers. In 2008 3D seismic was recorded over the field and the PEL 111 Joint Venture was given access, at no cost, under the Petroleum Act to that part of the survey that "trespassed" into PEL 111. The Snatcher wells have been located on the basis of the interpretation of this seismic data.

Recently the Charo Field Joint Venture which includes Beach Petroleum Limited as a participant, has drilled an additional four wells in the field, three of which, including Charo-6 which is 400 metres southeast of Snatcher-1, have been completed as Birkhead oil producers. Beach Petroleum has also reported that Charo-7 also contains an oil pool in the underlying Hutton Sandstone (source Beach Petroleum weekly drilling report 16<sup>th</sup> September 2009).

The following is an extract from Beach Petroleum's October 2009 Quarterly Report regarding the latest activity in the Charo Field:

"A four well appraisal drilling program was undertaken over the Charo Oilfield (Beach 20.21%) located approximately 100 km north west of Moomba. Three of the four wells were successful and results in two wells significantly exceeded pre-drill expectations. The use of 3D seismic attributes was an important component in the successful location of reservoir quality sandstones in the primary target, Birkhead Formation. A total oil rate for the field in excess of 1,200 barrels of oil per day (240 barrels per day net to Beach) is expected shortly, with five wells producing. The oil is currently being trucked to Moomba. Further drilling is being considered."

## 3. Future Program

Snatcher-1 and Snatcher-2 are on schedule to be on production by the end of November at a combined rate of 800 BOPD (320 BOPD net to Impress). Snatcher-3 will be placed on production as soon as the necessary equipment has been procured and regulatory approvals have been obtained.

This is likely to be in early 2010, when field production should rise to at least 1,000 BOPD (400 BOPD net to Impress).

Once the Mollichuta 3D seismic is fully available, the Joint Venture will undertake a further round of drilling to fully appraise the extent of this significant accumulation. The timing of this program will most likely be in the first quarter of 2010.

## **Joint Venture Particpants:**

Impress Energy Limited40%Victoria Petroleum NL (Operator)40%Permian Oil Limited20%

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