

## Monthly drilling report – October 2014

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Senex Energy Limited (Senex, ASX: SXY) is continuing to progress its FY15 drilling program in the South Australian Cooper-Eromanga Basin. At the end of October, Senex had drilled six wells in its FY15 drilling campaign.

### DRILLING ACTIVITIES

#### **Bagheera East-1 oil exploration well** (*PEL 514: Senex 80% and operator*)

The Bagheera East-1 exploration well was drilled to evaluate stacked oil potential across an interpreted four-way dip-closed structure. The well is located approximately 13 kilometres north-west of the Keleary Field, and is the third well drilled in Senex's northern drilling campaign from the Cordillo and Dundinna seismic programs.

Bagheera East-1 encountered hydrocarbon shows at multiple horizons with poorly developed reservoir, and the well was subsequently plugged and abandoned. While Bagheera East-1 was not a commercial oil discovery, the presence of hydrocarbons confirmed the migration of oil into multiple horizons on the northern flank of the Cooper-Eromanga Basin beyond previously known limits, and provides added confidence in assessing future oil opportunities within the immediate vicinity.

#### **Akela-1 oil exploration well** (*PEL 110: Senex 60% and operator*)

The Akela-1 exploration well spudded on 29 October and is evaluating stacked oil potential across an interpreted four-way dip-closed structure approximately 2.9 kilometres north of the Crumpa-1 exploration well. Crumpa-1 encountered oil shows and good quality reservoir across the horizons targeted, but was drilled outside of structural closure and therefore failed to intersect commercial quantities of oil.

The well is expected to reach total depth of 2,686 metres in early November.

**NEW WELL COMPLETIONS**

**Martlet-1 oil discovery** (PEL 104: Senex 60% and operator)

The Martlet-1 exploration well was completed during October and flowed oil to surface from the Namur sandstone on a short term test (due to capacity constraints) at the equivalent of 5,149 barrels of fluid and 2,596 barrels of oil per day. Surface facility planning works are currently underway, with the project on schedule to commence production in December from the Namur reservoir.

**Hornet-1 gas appraisal well** (PEL 115: Senex 100% and operator)

The Hornet-1 gas appraisal well commenced completion operations during October. Preparation for extended flow testing is currently underway, with production expected to commence during the December quarter.

**DRILLING FOR THE MONTH ENDING 31 OCTOBER 2014**

Well	Participation	Status of operations	Horizon Targets
<b>Bagheera East-1</b> PEL 514 Oil exploration SA Cooper Basin	SXY* 80% PGS 20%	Report time: 0600 (CST) 01/11/14 Total depth: 2,547 m Operation: Plugged and abandoned Progress: 2,547 m	Birkhead, Poolowanna and Tinchoo Formations and the Hutton Sandstone
<b>Akela-1</b> PEL 110 Oil exploration SA Cooper Basin	SXY* 60% COE 20% OGY 20%	Report time: 0600 (CST) 01/11/14 Total depth: 2,686 m (target) Operation: Drilling ahead Progress: 586 m	Birkhead, Poolowanna and Tinchoo Formations and the Hutton Sandstone

\* Denotes operatorship  
SXY Senex Energy Limited  
COE Cooper Energy Limited  
OGY Orca Energy Limited  
PGS Planet Gas Limited

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Figure 1: Location of drilling and completion activities in October

