



# Monthly Drilling Report

September 2016

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## AUSTRALIA – COOPER AND EROMANGA BASINS

### DEVELOPMENT

#### Western Flank Oil

*(Ex PEL 91: Beach 100%)*

The Stunsail-3 development well was drilled to develop oil bearing reservoirs in the Namur and Mid-Namur Sandstone in the Stunsail Field, which is located approximately 85 kilometres northwest of the Moomba processing facility. Stunsail-3 also assessed potential for reservoir development in the Birkhead Formation. The well was cased and suspended after intersecting two metres of net pay in the Namur Sandstone and four metres of net pay in the Mid-Namur Sandstone. The well also encountered a 15 metre gross interval within the Birkhead Formation with strong oil shows. The well is to be completed as a Birkhead oil producer to provide extended production test information for this reservoir. The well is expected to be online in Q2 FY17.

Beach has now completed all three development wells in its FY17 operated Western Flank drilling campaign. All three development wells were in line with pre-drill expectations and have been cased and suspended. All are expected to be completed and come online in Q2 FY17.

### EXPLORATION AND APPRAISAL

#### South Australian Gas

*(Fixed Factor Area Joint Venture: Beach 20.21%, Santos 66.6% and operator, Origin 13.19%)*

A five-well appraisal and development campaign on the central flank of the Big Lake Field, which is located approximately 20 kilometres south-east of the Moomba processing facility continued. The campaign aims to expand the central development area of the field and is targeting the Patchawarra Formation, Tirrawarra Sandstone and Merrimelia Formation, with the Epsilon Formation providing a secondary target. The campaign includes four development wells (Big Lake-135 to -138) which are being drilled from a single pad. Big Lake-135 was cased and suspended as a future Permian gas producer. The well intersected gas pay in the target zones consistent with a low-side outcome. Big Lake-136 was drilling ahead and the end of the reporting period and has subsequently been cased and suspended as a future gas producer.

## Western Flank Oil

### (Ex PEL 91: Beach 100%)

The first well of Beach’s operated 10 exploration well campaign for FY17, Kangaroo-1, was spudded on 29 September 2016 and is currently drilling ahead. The well is targeting stratigraphically trapped oil within the Birkhead Formation, approximately four kilometres North West of the Spitfire Field, which produces oil from the target reservoir interval. Wellsite drilling operations are expected to take 13 days to complete.

## Monthly Drilling Report – Period ended 06:00, 1 October 2016

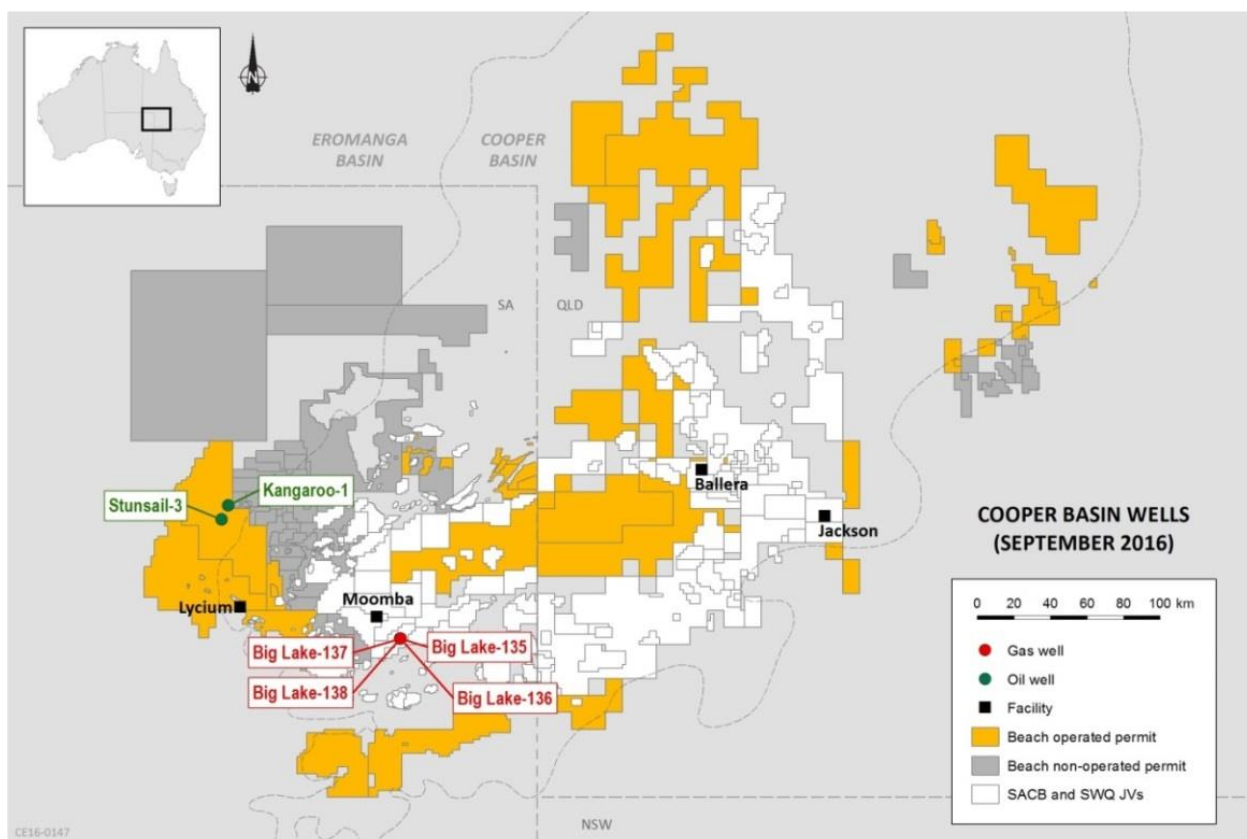
Well	Participants	Progress and summary	Primary targets
<b>Cooper Basin operated</b>			
<b>Kangaroo-1</b> PRL 156 (ex PEL 91) Oil exploration C/E Basin, SA	BPT* 100.00%	Drilling this month: 766 metres Current depth: 766 metres Status: Running surface casing	Birkhead Formation
<b>Stunsail-3</b> PPL 260 (ex PEL 91) Oil development C/E Basin, SA	BPT* 100.00%	Drilling this month: 1,142 metres Current depth: 1,821 metres (total depth) Status: Cased and suspended as a future Namur/Mid Namur Sandstone oil producer	Namur Sandstone Mid Namur Sandstone
<b>Cooper Basin non-operated</b>			
<b>Big Lake-135</b> PPL 11 Gas development C/E Basin, SA	BPT 20.21% STO* 66.60% ORG 13.19%	Drilling this month: 853 metres Current depth: 3,185 metres (total depth) Status: Cased and suspended as a future Permian gas producer	Patchawarra Formation Tirrawarra Sandstone Merrimelia Formation
<b>Big Lake-136</b> PPL 11 Gas development C/E Basin, SA	BPT 20.21% STO* 66.60% ORG 13.19%	Drilling this month: 2,550 metres Current depth: 3,321 metres Status: Drilling ahead	Patchawarra Formation Tirrawarra Sandstone Merrimelia Formation
<b>Big Lake-137</b> PPL 11 Gas development C/E Basin, SA	BPT 20.21% STO* 66.60% ORG 13.19%	Drilling this month: 0 metres Current depth: 771 metres Status: Surface hole only, part of 4 well pad program	Patchawarra Formation Tirrawarra Sandstone Merrimelia Formation
<b>Big Lake-138</b> PPL 11 Gas development C/E Basin, SA	BPT 20.21% STO* 66.60% ORG 13.19%	Drilling this month: 0 metres Current depth: 785 metres Status: Surface hole only, part of 4 well pad program	Patchawarra Formation Tirrawarra Sandstone Merrimelia Formation

(\*) Operator

BPT Beach Energy Ltd

ORG Origin Energy Ltd

STO Santos Ltd



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