



ASX release

6 June 2018

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Monthly drilling report – May 2018

Highlights

- Results of oil appraisal at Watkins and Minos fields encouraging for field development plans.
- Continued success in 100% owned ex PEL 106 wet gas acreage with Coalinga-1 DW1.

Development – Cooper and Eromanga Basins

South Australian Gas – Cooper Basin JV

(Fixed Factor Area JV: Beach 33.4%, Santos 66.6% and operator)

A six-well gas development campaign was commenced in the Moomba North Field, approximately 15 kilometres north of the Moomba plant. The six wells are expected to be drilled from two pads and are targeting the Toolachee, Daralingie and Patchawarra formations as primary targets. The first well of the infill development campaign, Moomba-221, intersected gas shows in the Toolachee Formation and was cased and suspended as a future producer.

Exploration and Appraisal – Cooper and Eromanga Basins

Western Flank Gas – PEL 630; ex PEL 106

(Beach 50% and operator, Bridgeport 50%); (Beach 100%)

Beach continued the second phase of its FY18 operated gas exploration campaign. The campaign is focused on the Southwest Patchawarra (SWP) and Permian Edge (PE) play fairways. Both fairways contain combination structural and stratigraphically trapped conventional gas targets in the Patchawarra Formation.

The first two wells of the five-well campaign were drilled in the East Block of PEL 630, approximately 70 kilometres northwest of the Moomba plant. The second well, Ulladulla-1, tested the extension of the Patchawarra stratigraphic play in the northern portion of the Patchawarra Trough, in the underexplored PE play fairway. Ulladulla-1 did not encounter gas bearing sands and was plugged and abandoned. The results of the Lady Bay-1 and Ulladulla-1 wells are being fully assessed to determine future plans for PEL 630.

The campaign moved to 100% Beach owned ex PEL 106 where exploration well, Coalinga-1, was drilled. Coalinga-1 is located approximately 52 kilometres northwest of the Moomba plant and targeted mid-Patchawarra intervals of the Patchawarra Formation in the SWP play fairway as a primary target. After not encountering gas pay, the well was plugged back and side tracked to Coalinga-1 DW1, an alternative exploration prospect approximately 620 metres to the west. Coalinga-1 DW1 encountered 6.3 metres of net gas pay in the Patchawarra Formation and was cased and suspended as a future producer. Reservoir pressure information indicated good permeability and connection to the Brownlow Field.

South Australian Gas – Cooper Basin JV

(Fixed Factor Area JV: Beach 33.4%, Santos 66.6% and operator)

A single gas appraisal well, Moomba-224, was drilled in the Moomba Northeast Field, approximately 15 kilometres northeast of the Moomba plant. The well targeted the Epsilon and Patchawarra formations as primary targets. The well intersected a poorly developed Epsilon Formation, however the Patchawarra Formation was better developed and the well was cased and suspended as a future producer.

Queensland Gas – Cooper Basin JV

(SWQ JV: Beach 39.94%, Santos 60.06% and operator)

A two-well, gas exploration campaign was completed on the greater Mountain Goat-Hobgoblin prospect, a prospect that extends over an area of approximately 70km². The second well of the campaign, Hobgoblin-1, is approximately 12 kilometres east of the first well, Mountain Goat-1, and targeted the Patchawarra Formation as a primary objective. The well encountered encouraging gas shows in the Patchawarra Formation and was cased and suspended for future production testing.

A two-well gas appraisal campaign commenced in the Whanto Field, approximately 100 kilometres northeast of the Ballera gas facility. The campaign is designed as a step out from the main Whanto structure to appraise reservoir continuity of the Toolachee and Patchawarra formations in its southwestern area. The first well, Whanto-5, intersected gas shows in the Toolachee and Patchawarra formations and was cased and suspended as a future producer. An 18 metre core sample was also obtained over the primary Toolachee reservoir. This conventional core will provide information to assist with reservoir characterisation and identification of future targets.

Queensland Oil – Cooper Basin JV

(Naccowlah JV: Beach 38.5%, Santos 55.5% and operator, others 6.0%);

(Innamincka JV: Beach 30%, Santos 70% and operator)

A three-well oil appraisal campaign was undertaken in the Watkins and Minos fields, approximately 60 to 65 kilometres southwest of the Jackson facility. Two appraisal wells were drilled in the Watkins Field (Naccowlah JV) and the third in the nearby Minos Field (Innamincka JV).

Watkins-2 and -3 were designed to appraise the northwest and southeast flanks of the structure and increase production from the Field. The wells targeted the Birkhead Formation as a primary target where they each intersected oil pay and were cased and suspended as future producers.

A single oil appraisal well was drilled in the Minos Field designed to appraise the Birkhead Formation as a primary target. Minos-3 intersected oil pay and was cased and suspended as a future producer.

The results for the three oil appraisal wells will be incorporated into an area wide development plan.

Monthly Drilling Report – Period ended 06:00, 1 June 2018

Well	Participants	Progress and summary		Primary targets
Cooper Basin operated				
Coalinga-1	BPT* 100.00%	Drilling this month:	2761 metres	Patchawarra Formation
PPL 239		Current depth:	2761 metres (total depth)	
Gas exploration		Status:	Plugged and sidetracked	
C/E Basin, SA				
Coalinga-1 DW1	BPT* 100.00%	Drilling this month:	1888 metres	Patchawarra Formation
PPL 239		Current depth:	2878 metres (total depth)	
Gas exploration		Status:	Cased and suspended as a future Permian gas producer	
C/E Basin, SA				
Ulladulla-1	BPT* 50.00%	Drilling this month:	2999 metres	Patchawarra Formation
PEL 630	BE 50.00%	Current depth:	2999 metres	
Gas exploration		Status:	Plugged and abandoned	
C/E Basin, SA				
Cooper Basin non-operated				
Moomba-221	BPT 33.40%	Drilling this month:	3238 metres	Toolachee Formation
PPL 7	STO* 66.60%	Current depth:	3238 metres (total depth)	Daralingie Formation
Gas development		Status:	Cased and suspended as a future Permian gas producer	Patchawarra Formation
C/E Basin, SA				
Moomba-224	BPT 33.40%	Drilling this month:	3256 metres	Epsilon Formation
PPL 7	STO* 66.60%	Current depth:	3271 metres (total depth)	Patchawarra Formation
Gas appraisal		Status:	Cased and suspended as a future Permian gas producer	
C/E Basin, SA				
Minos-3	BPT 30.00%	Drilling this month:	1876 metres	Birkhead Formation
PL 301	STO* 70.00%	Current depth:	1876 metres (total depth)	
Oil appraisal		Status:	Cased and suspended as a future Birkhead Formation oil producer	
C/E Basin, QLD				
Watkins-2	BPT 38.50%	Drilling this month:	1697 metres	Birkhead Formation
PL 35	STO* 55.50%	Current depth:	1697 metres (total depth)	
Oil appraisal	BE 2.00%	Status:	Cased and suspended as a future Birkhead Formation oil producer	
C/E Basin, QLD	AGF 2.00%			
	BOG 2.00%			
Watkins-3	BPT 38.50%	Drilling this month:	1736 metres	Birkhead Formation
PL 35	STO* 55.50%	Current depth:	1736 metres (total depth)	
Oil appraisal	BE 2.00%	Status:	Cased and suspended as a future Birkhead Formation oil producer	
C/E Basin, QLD	AGF 2.00%			
	BOG 2.00%			
Hobgoblin-1	BPT 39.94%	Drilling this month:	374 metres	Patchawarra Formation
ATP 1189	STO* 60.06%	Current depth:	3077 metres (total depth)	
Gas exploration		Status:	Cased and suspended for future production testing	
C/E Basin, QLD				
Whanto-5	BPT 60.06%	Drilling this month:	3133 metres	Toolachee Formation
PL 148	STO* 39.94%	Current depth:	3133 metres (total depth)	
Gas appraisal		Status:	Running wireline	
C/E Basin, QLD				

(*) Operator

BPT Beach Energy Ltd

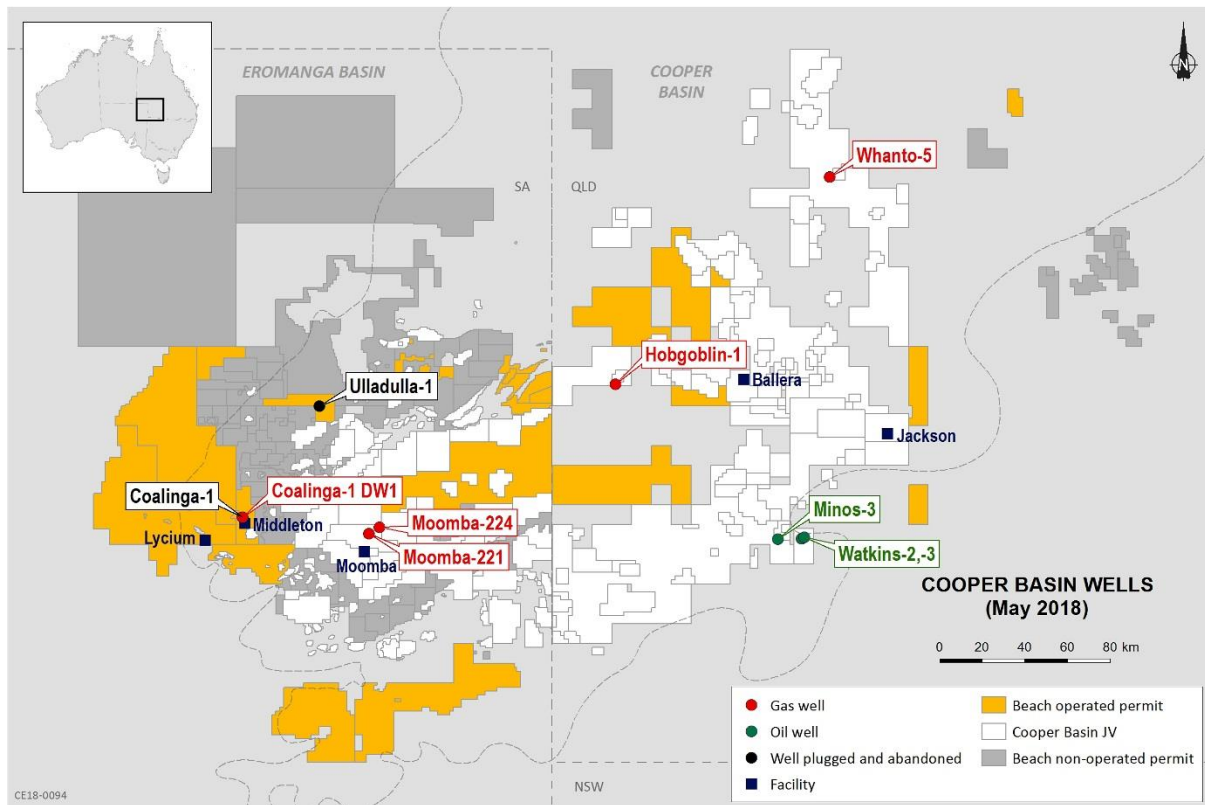
AGF Australian Gasfields

BE Bridgeport Energy Ltd

BOG Bounty Oil & Gas NL

STO Santos Ltd

Cooper and Eromanga Basins



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