

# Monthly Drilling Report

#### January 2012

Beach Energy Ltd ABN: 20 007 617 969 ASX Code: BPT

25 Conyngham Street GLENSIDE SA 5065

GPO Box 175 ADELAIDE SA 5001

Tel: +61 8 8338 2833 Fax: +61 8 8338 2336

Web:

www.beachenergy.com.au Email:

info@beachenergy.com.au

#### **ASX RELEASE**

For Immediate Release – 1 February 2012 Ref. #006/12

#### **AUSTRALIA**

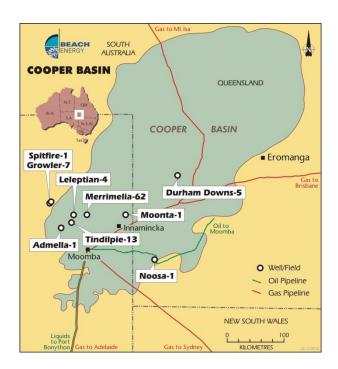
# **Beach Operated Cooper-Eromanga Oil and Gas**

An eleven well completion program is underway to bring the successful wells from the 2011 drilling campaign into production. Six PEL 92 wells (Beach 75%) are expected to be progressively brought online during February and the new Bauer facility and wells (PEL 91) online in April. Notable flow

results to date include Parsons-4 (PEL 92, Beach 75%), which tested at 7600 barrels of oil per day (bopd) and is now online, and PEL 91 wells (Beach 40%) Bauer-1 at 6000 bopd, Bauer-3 at 760 bopd and Hanson-1 at 1150 bopd, which are awaiting facility construction works.

Two exploration wells were drilled in the Cooper-Eromanga Basin during the report period.

The Admella-1 exploration well (PEL 106B, Beach 50%) was the second of five planned exploration wells designed to address the distribution of stratigraphically trapped gas on the Patchawarra Trough margin, and to gather additional data on the Patchawarra Formation deep coal gas play. The well recovered 5.5



metres of Patchawarra coal core that will be evaluated as part of Beach's unconventional gas strategy. A sand with gas shows was tested, flowing at a maximum rate of 5.5 million cubic feet per day. The flow declined during the duration of the test which also produced formation water. As a result the well was subsequently assessed to be sub-economic and is currently being plugged and abandoned. A further three wells are planned in this campaign.



The Noosa-1 exploration well (ATP 633P, Beach 50%) was drilled to test the oil potential of a prospect along the southern margin of the Cooper-Eromanga. Three drill stem tests were conducted to test oil shows in the McKinlay and Murta Formations. All three recovered formation water with traces of oil. Noosa-1 was consequently plugged and abandoned with a further three wells planned along this southern margin.

#### Senex Operated Cooper-Eromanga Oil –Western Flank (Beach 40%)

Two wells were drilled within the PEL 104/PRL 15 permits (Beach 40%) during the month. The first, Growler-7, successfully intersected the mid-Birkhead reservoir and extended the field approximately 600 metres to the west of Growler-3. Growler-7 has been cased and will be duly completed as a Birkhead oil producer. The second well is an exploration well, Spitfire-1, that has intersected strong oil shows within the target mid-Birkhead interval. A drill stem test is currently being conducted to test fluid content and deliverability.

#### **Beach Operated Cooper Basin Unconventional Gas Program**

A workover rig is milling out a packer within the Encounter-1 wellbore in PEL 218 (Beach 100%) to enable the commencement of fracture stimulation activities now expected to occur in mid February.

The Ensign 916 drilling rig spudded Moonta-1 (PEL 218, Beach 100%) on 23 January. This well will be the first in a campaign of at least five wells designed to delineate the resource potential of the shale and basin centred gas volumes within the Nappamerri Trough.

#### Santos Operated Cooper Basin Oil and Gas Development

Four gas development wells were drilled during the month; Merrimelia-62, Leleptian-4 and Tindilpie-13 in South Australia (Beach 20.21%) and Durham Downs-5 in Queensland (Beach 23.20%). Three of the wells have been cased and suspended as future gas producers, while the fourth well has reached total depth and is conducting logging operations.

#### **INTERNATIONAL**

#### Kuwait Energy Operated – Abu Sennan Concession, Egypt

El Salmiya-1 (Beach 22%), located approximately 10 kilometres east of the Al Ahmadi-1 and ZZ-4 discoveries, is currently running a testing program over the shallower zones which had strong hydrocarbon shows, before considering options for testing the deeper intervals.

Al Jahraa-1, located about 20 kilometres west of the Al Ahmadi-1 and ZZ-4 wells, reached total depth in the Kharita Formation at 3700 metres. A program of flow testing is underway to evaluate strong hydrocarbon shows at several horizons in the well. Al Jahraa-1 is the fourth of the six-well program within the Abu Sennan Concession.

Salwa-1, located approximately 15 kilometres southwest of the Al Ahmadi-1 and ZZ-4 discoveries, is currently at 2315 metres, having just finished a casing run and about to drill out the casing shoe.



# **Drilling Report – Period ending 1 February 2012**

Well	Part	icipants		Progress & Summary	Primary Targets
Admella-1	BPT*	50.00%	Report Time:	0600 (CDT) 01/02/2012	Patchawarra Formation,
PEL 106	DLS	50.00%	Depth:	2954m (TD)	Toolachee Formation
Gas Exploration			Operation:	Well is being plugged and abandoned.	
C/E Basin, SA			Progress:	0m	
Noosa-1	BPT*	50.00%	Report Time:	0600 (EST) 01/02/2012	Murta Formation,
ATP-633P	STO	50.00%	Depth:	1369m (TD)	McKinlay Member
Oil Exploration			Operation:	Well is plugged and abandoned.	2003
C/E Basin, QLD			Progress:	203m	
Moonta-1	BPT*	100.00%	Report Time:	0600hrs (CDT) 01/02/2012	Roseneath Shale,
PEL 218			Depth:	1979m	Epsilon Formation,
Shale Gas Exploration			Summary:	Drill ahead in the Wallumbilla Formation.	Murteree Shale,
Cooper, SA					Patchawarra Formation,
**			Progress	1979m	Toolachee Formation
Spitfire-1	ВРТ	40.00%	Report Time:	0600 hrs (CDT) 01/02/2012	Mid-Birkhead Formation
PEL 104	SXY*	60.00%	Depth:	1840m	Hutton Sandstone
Oil Exploration		55.0070	Operation:	Rigging down drill stem test tools.	Tutton Gandstone
C/E Basin, SA			Progress:	1840m	
O	In		In	0000 hay (ODT) 04/03/2013	
Growler 7 PRL 15	BPT SXY*	40.00% 60.00%	Report Time:	0600 hrs (CDT) 01/02/2012	Mid-Birkhead Formation
Oil Exploration	SXY.	60.00%	Depth: Operation:	1850m (TD) Well is cased and suspended as a future Mid-Birkhead	Hutton Sandstone
C/E Basin, SA			Operation.	Formation oil producer.	
Ore Dasin, OA			Progress:	1850m (TD)	
	T				
Merrimelia 62	BPT	20.21%	Report Time:	0600 hrs (CDT) 01/02/2012	Toolachee Formation,
PPL7 (Moomba Block)	STO*	66.60%	Depth:	2293m (TD)	Callamurra Member
Gas Development C/E Basin, SA	ORG	13.19%	Operation:	Well is cased and suspended as a future Paning Formation oil producer and gas from the Callamurra	
C/L Dasili, SA				and Toolachee Formations.	
			Progress:	522m	
Leleptian 4	ВРТ	20.21%	Report Time:	0600 hrs (CST) 01/02/2012	Patchawarra Formation
PPL 238	STO*	66.60%	Depth:	3148m (TD)	Fatchawana Formation
Gas Development	ORG	13.19%	Operation:	Well is cased and suspended as a future Toolachee	
C/E Basin, SA				Formation and Patchawarra Formation gas producer	
			Progress:	726m	
Tindilpie 13	Іврт	20.21%	Donort Timo:	0600 hrs (CDT) 01/02/2012	Patchawarra Formation
PPL 95 (Pad drill)	STO*	20.21% 66.60%	Report Time: Depth:	0600 hrs (CDT) 01/02/2012 3217m (TD)	Patchawarra Formation, Tirrawarra Sandstone
Gas Development	ORG	13.19%	Operation:	Preparing to run wireline logs.	Tillawalia Saliustoffe
C/E Basin, SA		.5.1070	Progress:	3217m	
	1	12/2/12/2027			
Durham Downs-5 PL80	BPT STO*	23.20%	Report Time:	0600 hrs (AEDT) 01/02/2012	Toolachee Formation
PL80 Gas Development	ORG	60.06% 16.74%	Depth: Operation:	2744m (TD) Well is cased and suspended as a future Toolachee	
C/E Basin, QLD	OKG	10.7470	Operation.	Formation and Patchawarra Formation gas producer.	
Ore Dasin, QLD			Progress:	401m	
0-L 4V	T			00001 (1 1) 04/00/0010	In 5
Salwa 1X	BPT	22.00%	Report Time:	0600 hrs (local) 01/02/2012	Abu Roash "G",
Abu Sennan Concession	KEE*	50.00%	Depth:	2442m	Bahariya Formation
Oil Exploration	DOV	28.00%	Operation:	Drill ahead in Abu Roash "B" Formation	
Western Desert, Egypt			Progress:	2442m	
El Salmiya-1 ST-1	BPT	22.00%	Report Time:	0600 hrs (local) 01/02/2012	Abu Roash "G",
Abu Sennan Concession	KEE*	50.00%	Depth:	3799m (TD)	Bahariya Formation
Oil Exploration	DOV	28.00%	Operation:	Drill stem testing to evaluate hydrocarbon shows.	***************************************
Western Desert, Egypt			Progress:	0m (Side track one kick off point 3584m)	
Al Jahraa 1X	BPT	22.00%	Report Time:	0600 hrs (local) 01/02/2012	Abu Roash "G",
Abu Sennan Concession	KEE*	50.00%	Depth:	3700m (TD)	Bahariya Formation
Oil Exploration	DOV	28.00%	Operation:	Well is completed as a future oil producer. Rig released	Sananya i omiadon
Western Desert, Egypt				to Hawalli-1.	
					1

 (\*)
 Operator
 (s)
 Secondary Targets
 SYX
 Senex Energy

 BPT
 Beach Energy Ltd
 DLS
 Drillsearch Energy
 KEE
 Kuwait Energy

 ORG
 Origin Energy Resources
 STO
 Santos Limited
 DOV
 Dover Investments Ltd

 Beach Energy Ltd
 25 Conyngham Street
 GPO Box 175
 Tel: +61 8 8338 2833
 Web: www.beachenergy.com.au
 Page 3

 ABN: 20 007 617 969
 GLENSIDE SA 5065
 ADELAIDE SA 5001
 Fax: +61 8 8338 2336
 Email: info@beachenergy.com.au
 Page 3



Neil Gibbins Chief Operating Officer

### For more information contact

## **Corporate**

Reg NelsonBeach Energy Limited08 8338 2833Neil GibbinsBeach Energy Limited08 8338 2833

**Investor Relations** 

Chris Jamieson Beach Energy Limited 08 8338 2833

 Beach Energy Ltd
 25 Conyngham Street
 GPO Box 175
 Tel: +61 8 8338 2833
 Web: www.beachenergy.com.au

 ABN: 20 007 617 969
 GLENSIDE SA 5065
 ADELAIDE SA 5001
 Fax: +61 8 8338 2336
 Email: info@beachenergy.com.au
 Page 4