



**AOC**



## Company Announcement

ACN 051 212 429

Suite 3 First Floor, 610 Murray St West Perth  
PO Box 913 West Perth Western Australia 6872

Telephone: (08) 9481 3322  
Facsimile: (08) 9481 3330

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Subject:	PEL 182 Joint Venture Cooper Basin – Final Drilling Update
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### **VANESSA-1 ST-1: PEL-182**

#### **A NEW PERMIAN GAS DISCOVERY in the COOPER BASIN S.A.**

Eagle Bay Resources advises that Vanessa-1 sidetrack ST-1 has been successfully drilled to a new TD of 3157m, and Schlumberger have successfully wireline logged across the entire new sidetrack interval from TD up – including the Patchawara Fm. (In the original hole, the prospective Patchawarra Fm could not be logged as logging tools were unable to pass deeper than 3027m due to obstruction at a thick coal bed).

Drill stem testing (DST) of the Epsilon and Toolachee formations flowed significant gas to surface, when tool malfunctioned, got irretrievably stuck, and then requiring a new sidetrack be drilled to a new TD for completion as a new Permian Gas Producer.

Halliburton have successfully run and cemented 7” production casing in the sidetrack to TD, and the well is now cased and suspended as a future Permian Gas Producer. Century Rig-3 was released at midnight on Tuesday 17<sup>th</sup> July 2007.

#### **DST GAS PRODUCTION (from 2 of 3 zones)**

The latest wireline logs in the sidetrack hole have confirmed the presence of the same productive reservoir sands in the Toolachee and Epsilon formations that were earlier Drill Stem Tested in the original hole, and flowed gas to surface at following rates: -

DST-1A	Epsilon Sand	2977 -2880m	5.1 MMscfd on ½” choke at 800 psi FP
DST-1B	Epsilon Sand	2960 -2963m	No Flow-Tool Plugged? (should flow?)
DST-1C	Toolachee Sand	2239 -2932m	3.9 MMscfd on ½” choke at 525 psi FP

No DST’s were run in the deeper Patchawarra Fm, as blocked by coal obstruction.

These are similar intervals as are producing from the Pennie-1 Gas Field, 4 Km updip from Vanessa-1, discovered by Santos in 1995 and on production ever since. The gas line to Moomba pass through the Pennie location.

### **POTENTIAL FOR PATCHAWARRA GAS**

The latest sidetrack logs have finally provided data across the Patchawarra interval, and indicate several additional prospective gas sands in the Patchawarra Fm. These sands will be production tested through casing at a later date and their flow rates determined, when a work over rig is brought on site to develop the well and bring it into production.

### **ESTIMATED GAS RESERVES**

Preliminary analysis of log and DST data indicates Vanessa-1 appears to have achieved, and may exceed, its pre-drill objectives of finding gas reserves in the order of 15BCG (Billion Cubic Feet)

Similar follow up prospects also lie nearby to the Vanessa-1 location, and can be tied into Vanessa-1 to increase proven reserves and gas deliverability to sales point.

The status of Vanessa-1 ST-1 at 06:00 hrs (CST) on 18<sup>th</sup> July 2007 was:

Location:	PEL-182
Planned Total Depth:	3200 metres (TVD)
Current depth:	3157 metres at TD in Sidetrack.
Status:	Hole Cased & Suspended with 7" production casing Well is now a Suspended Permian Gas Producer.
Operation:	Century Rig-3 Released at Midnight 17 <sup>th</sup> July 2007

This will be the last Daily ASX release for Vanessa-1

The participants in the joint venture are:

Audax Resources Ltd	49.9%
Eagle Bay Resources NL	37.6%
Dome Petroleum Resources Plc	7.5%
Australian Oil Company Ltd	5.0%

**BY ORDER OF THE BOARD OF  
EAGLE BAY RESOURCES N.L.**

*The information in this report is based on information compiled by Mr Ian Barr who is a geologist of the company and a Competent Person as described in Appendix 5A to the ASX Listing Rules. The Report accurately reflects the information compiled by Mr Barr.*

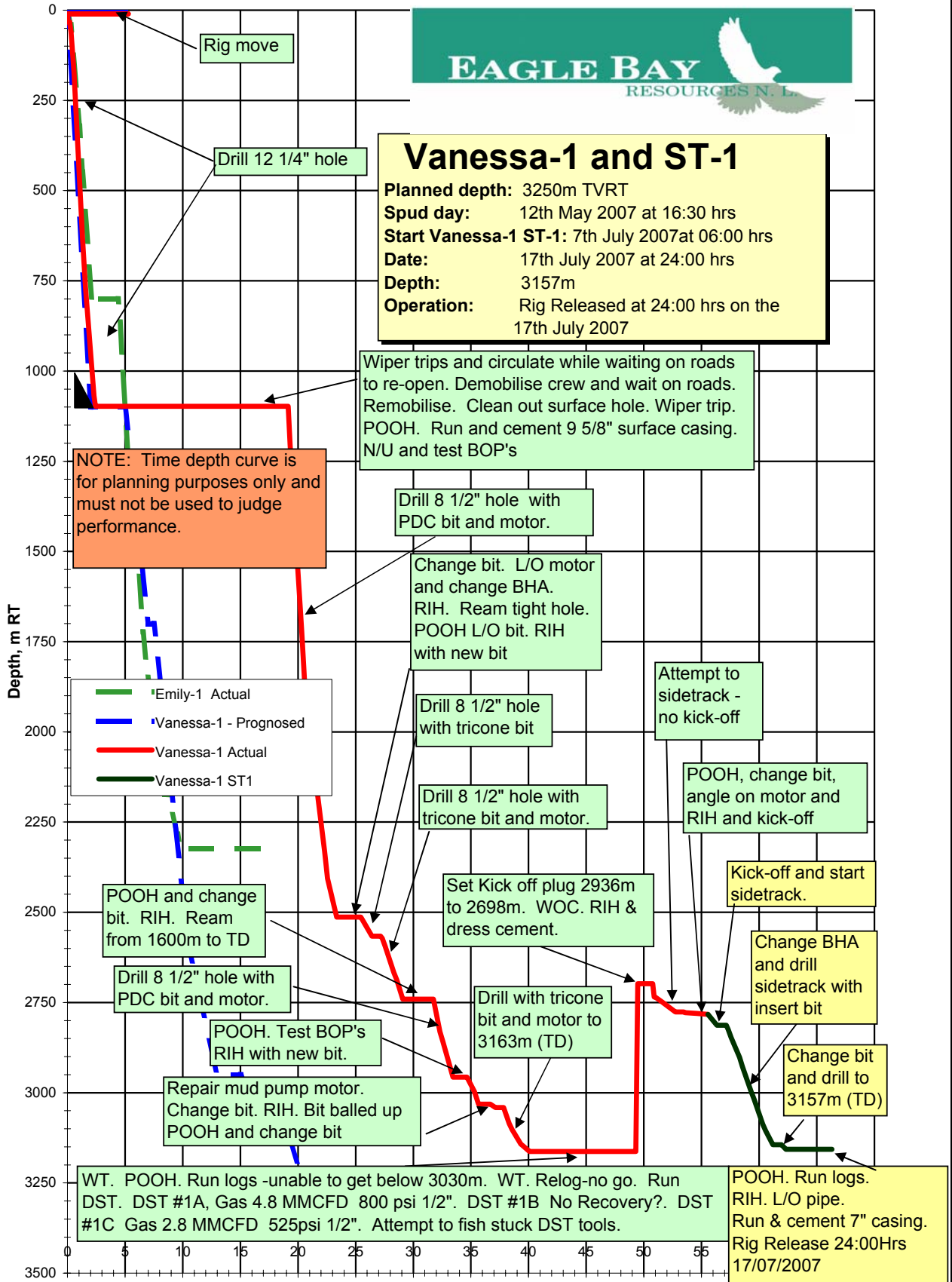
DAYS FROM SPUD



### Vanessa-1 and ST-1

**Planned depth:** 3250m TVRT  
**Spud day:** 12th May 2007 at 16:30 hrs  
**Start Vanessa-1 ST-1:** 7th July 2007 at 06:00 hrs  
**Date:** 17th July 2007 at 24:00 hrs  
**Depth:** 3157m  
**Operation:** Rig Released at 24:00 hrs on the 17th July 2007

- Surface and Winton
- Mackunda
- Allaru  
Toolebuc ↓
- Wallumbilla
- Cadna-Owie
- Murta  
McKinlay
- Namur
- Westbourne
- Adori
- Birkhead
- Hutton Sst
- Poolowana
- Tinchoo
- Nappamerri
- Toolachee
- Epsilon
- Parchawarra
- Tirawarra
- Basement



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