



"Henry Irrgang"
<hirrgang@awexp.com.au>
31/07/2008 08:27 AM

To "Giuliano, Michael" <Michael.Giuliano@santos.com>,
<operational.reports@dpi.vic.gov.au>, "Bala Kunjan"
<bkunjan@awexp.com.au>, "Bruce Wood"

cc

bcc

Subject RE: Netherby 1 DGR16 for 31-07-08

Michael,

I think our first priority should be 3-4 reliable pressures from the best rock around 1798m and 1803 – 1805m. This will probably allow calculation of the GWC with sufficient accuracy. Measuring the slope of the gas gradient line is a secondary objective as it is unlikely we will get a value that is reliable enough to override the a priori estimate of the gas gradient. We would not want the tool to fail while attempting pressures in the lower section, which probably has poorer quality (have we got some downlinked density-neutron data to confirm this yet?) and may not give reliable pressures – and then have to make another trip.

Regards,

Henry Irrgang

Reservoir Engineering Advisor,
Australian Worldwide Exploration Limited
Phone +61 2 8912 8016, Mobile +418 213 165
Fax +61 2 9460 0176, Home +61 2 9525 3726,
Home Email henry@irrgang.com.au

From: Giuliano, Michael [mailto:Michael.Giuliano@santos.com]

Sent: Thursday, 31 July 2008 8:09 AM

To: operational.reports@dpi.vic.gov.au; Bala Kunjan; Bruce Wood; Buick, Glen; drilling.reports@ga.gov.au; Clifford, Jenni; Crane, David; Dixon, Jason; Dodd, Peter; donna.cornect@mepau.com.au; Henry Irrgang; Jones, Stuart; King, Patrick; Lees, Marie-Louise; Leigh Brooks; matt Fittall (Mitsui); McPhail, Andrew; Michael Giuliano; Mike Collins (Mitsui); Pietsch, Andy; Rick Frith; Steve Ingarfield (Mitsui); Thomson, Jeff; Wu, Belinda

Subject: Netherby 1 DGR16 for 31-07-08

Depth: 1875m

Progress: 5m

0600hrs operations: Conducting LWD stethoscope pressure tests.

24hr operations: Pick up drill pipe, make up and rack back stands while waiting on personnel due to maximised work hours. Make up the 311mm (12¼") Bottom Hole Assembly with LWD tools. Run in hole to 1741m. Wash and rotate acquiring LWD data from 1741m to 1870m. Drill ahead from 1870m to 1875m. **Total depth reached at 22:30 hours on 30/07/07.** Circulate the hole clean. Downlink and correlate LWD tools. Conduct LWD Stethoscope pressure survey.

After initial communication problems with the stethoscope tool we managed to perform a pump-off test at 1825.3m and then a normal test with the pump on which worked at 1819.5m. We did not get a seal at 1816.75m. Then at 1817.0m the depth shifted just after the test started to 1816m? This test seemed to be tight so it was repeated at 1817.25m, this time it showed that the probe did not extend. Next we re-tried 1816.75m without getting a seal – suspect the probe position indication is unreliable. Are about to move up to 1814m to try there.

Michael FX Giuliano

Senior Staff Operations Geologist
Exploration & New Ventures

Santos

Santos Centre,
60 Flinders Street
Adelaide SA 5000

Australia

Tel: +618 8116 7673

Mob: +61 418 821 275

Email: michael.giuliano@santos.com



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