

**From : Chris Roots / Rohan Richardson**  
**OIM : Rod Dotson**

### Well Data

|                   |               |                   |   |                   |         |            |              |
|-------------------|---------------|-------------------|---|-------------------|---------|------------|--------------|
| Country           | Australia     | Measured Depth    | 2517.0m   | Current Hole Size | 216mm   | AFE Cost   | \$39,506,831 |
| Field             |               | TVD               | 1655.0m   | Casing OD         | 244mm   | AFE No.    | 5746046      |
| Drill Contractor  | DOGC          | Progress          | 0.0m  | Shoe MD           | 1936.0m | Daily Cost | \$793,470    |
| Rig               | Ocean Patriot | Days from spud    | 18.12   | Shoe TVD          | 1680.0m | Cum Cost   | \$41,746,997 |
| Water Depth (LAT) | 65.4m         | Days on well      | 18.13   | F.I.T. / L.O.T.   | /       | Planned TD | 2503.0m      |
| RT-SL(LAT)        | 21.5m         | Current Op @ 0600 | Continue to rig down and lay out LLSA umbilical / rig up drill floor for pulling riser.   |                   |         |            |              |
| RT-ML             | 86.9m         | Planned Op        | Disconnect and recover IWOC, unlatch BOP, move off location 15 m, pull and layout riser. Set back BOP's and run debris cap on DP. |                   |         |            |              |
| Rig Heading       | 215.0deg      |                   |   |                   |         |            |              |

### Summary of Period 0000 to 2400 Hrs

Pumped glycol into upper completion tubing, set crown plug and pressure tested same. Laid out PCE, flowhead, landing string and LLSA. Flushed XT profile and RIH internal tree cap on DP.

### Formations

| Name             | Top (MD) | Top (TVD) | Comment |
|------------------|----------|-----------|---------|
| K85 Unconformity | 1783.0m  | 1673.6m   |         |
| Waarre A         | 1792.0m  | 1683.1m   |         |

### Operations For Period 0000 Hrs to 2400 Hrs on 20 Aug 2008

| Phse | Cls (RC) | Op  | From | To   | Hrs  | Depth   | Activity Description  |
|------|----------|-----|------|------|------|---------|---|
| CTB  | P        | RIC | 0000 | 0200 | 2.00 | 2517.0m | Continued to pump glycol, 8 m3 (50 bbls) total. Displaced lines and pumped 4 m3 (25 bbls) drill water.  |
| CTB  | P        | SLK | 0200 | 0245 | 0.75 | 2517.0m | Closed swab valve, broke PCE and made up crown plug to slickline.   |
| CTB  | P        | PT  | 0245 | 0300 | 0.25 | 2517.0m | Opened swab valve and closed master valve. Pressure tested PCE to 33.7 MPa (5000 psi) for 10 min, ok.   |
| CTB  | P        | SLK | 0300 | 0330 | 0.50 | 2517.0m | Opened master valve and RIH crown plug on slick line to tubing hanger.  |
| CTB  | P        | XT  | 0330 | 0415 | 0.75 | 2517.0m | Landed out crown plug, applied 1.3 MPa (200 psi) above and held for 10 min while jarring with slickline to seat.  |
| CTB  | P        | PT  | 0415 | 0430 | 0.25 | 2517.0m | Pressure tested above crown plug to 33.7 MPa (5000 psi) for 10 min, ok.   |
| CTB  | P        | SLK | 0430 | 0500 | 0.50 | 2517.0m | Un-latched running tool from crown plug and recovered same, 4.4 mm (0.173") on indicator pin.   |
| CTB  | P        | WCU | 0500 | 0545 | 0.75 | 2517.0m | Lined up cement unit to flow head and flushed lines with 5.5 m3 (35 bbls) of drill water to well test package. Lined up to kill line and flushed 244 mm (9 5/8") rams and tubing hanger with drill water. |
| CTB  | P        | PT  | 0545 | 0615 | 0.50 | 2517.0m | Lined up and pressure tested below crown plug to 6.7 MPa (1000 psi) for 10 min, ok. APT reading : 7.6 MPa (1127 psi).   |
| CTB  | P        | SM  | 0615 | 0630 | 0.25 | 2517.0m | Held pre job safety meeting for rig down of PCE.  |
| CTB  | P        | TO  | 0630 | 0645 | 0.25 | 2517.0m | Bled off pressure from LLSA valves retaining unlatch pressure. Opened 244 mm (9 5/8") BOP rams and set down weight to 71.2 kdaN (160 klbs). Unlatched LLSA and picked up 4 m. No o/p observed.            |
| CTB  | P        | TO  | 0645 | 1000 | 3.25 | 2517.0m | Rigged down Co-Flexip hose and PCE.   |
| CTB  | P        | SM  | 1000 | 1015 | 0.25 | 2517.0m | Held pre job safety meeting prior to POOH landing string and LLSA.  |
| CTB  | P        | TO  | 1015 | 1130 | 1.25 | 2517.0m | Broke out flow head and rigged up to layout. Tugger line slacked off when tailing out with crane which caused flow head to turn and break nipple on air regulator. Re-slung and continued to layout.      |
| CTB  | P        | OA  | 1130 | 1215 | 0.75 | 2517.0m | Shut down crane operations due to helicopter. Continued to rig down completions equipment on pipe decks.  |
| CTB  | P        | HT  | 1215 | 1500 | 2.75 | 2517.0m | Continued to rig down flow head, 13.7 m (45') bails and 244 mm (9 5/8") handling equipment.   |
| CTB  | P        | OA  | 1500 | 1800 | 3.00 | 2517.0m | Broke out lubricator valve from flow head.  |
| CTB  | P        | TO  | 1800 | 2000 | 2.00 | 2517.0m | Simultaneous Operations:<br>Continued to rig down completion equipment on deck and port side box girder.  |
| CTB  | P        | HT  | 2000 | 2100 | 1.00 | 2517.0m | Continued to POOH 244 mm (9 5/8") landing string.   |
| CTB  | P        | TI  | 2100 | 2130 | 0.50 | 2517.0m | Rigged down 244 mm (9 5/8") handling gear and rigged up to run DP.  |
| CTB  | P        | TI  | 2100 | 2130 | 0.50 | 2517.0m | Simultaneous Operations:<br>Opened AAV with IWOC, ROV confirmed.<br>Applied 3.4 MPa (500 psi) against closed TCT needle valve on XT.<br>Flushed TCT line.   |
| CTB  | TP (VE)  | OA  | 2130 | 2145 | 0.25 | 2517.0m | RIH with tubing hanger jetting tool on DP.  |
| CTB  | P        | OA  | 2145 | 2200 | 0.25 | 2517.0m | Attempted to correlate index line with landed out jetting tool, unsuccessful. Index line broken. Made back up to slip joint and re-correlated index pin.  |
| CTB  | P        | OA  | 2145 | 2200 | 0.25 | 2517.0m | Commenced pumping sea water through jetting tool to clean XT profile. Pumped 5.9  |

| Phse | Cls (RC) | Op  | From | To   | Hrs  | Depth   | Activity Description  |
|------|----------|-----|------|------|------|---------|---|
| CTB  | P        | CHC | 2200 | 2230 | 0.50 | 2517.0m | m3 (37 bbls) at 4.7 MPa.<br>Pumped 4 m3 (25 bbls) hi-vis sweep and displaced with sea water until clean returns observed at surface.                              |
| CTB  | P        | CHC | 2230 | 2300 | 0.50 | 2517.0m | Picked up, rotated string 90 deg and landed out same.<br>Pumped 4 m3 (25 bbls) hi-vis sweep and displaced with sea water until clean returns observed at surface. |
| CTB  | P        | TO  | 2300 | 2330 | 0.50 | 2517.0m | POOH with jetting tool. Tool clean, no debris observed.   |
| CTB  | P        | HT  | 2330 | 2345 | 0.25 | 2517.0m | Made up internal tree cap and running tool to DP.   |
| CTB  | P        | TI  | 2345 | 2400 | 0.25 | 2517.0m | RIH internal tree cap and land out same.  |
|      |          |     |      |      |      |         | Simultaneous operations:<br>Opened AAV with IWOC, ROV confirmed.<br>Flushed TCT line.   |

**Operations For Period 0000 Hrs to 0600 Hrs on 21 Aug 2008**

| Phse | Cls (RC) | Op | From | To   | Hrs  | Depth   | Activity Description   |
|------|----------|----|------|------|------|---------|--|
| CTB  | P        | TI | 0000 | 0115 | 1.25 | 2517.0m | RIH internal tree cap and landed out same in XT profile.   |
| CTB  | P        | HT | 0115 | 0230 | 1.25 | 2517.0m | Closed lower annular preventer and applied 27 MPa (4000 psi) with cement unit down kill line to lock internal tree cap. Total pumped 0.1 m3 (0.4 bbls).<br>Observed returns from drill pipe indicating internal tree cap seated. |
| CTB  | P        | HT | 0230 | 0300 | 0.50 | 2517.0m | Opened BOP annular preventer, slacked off DP to neutral weight and rotated 5 3/4 turns to right with chain tongs to release running tool from internal tree cap. POOH running tool and laid out same.                            |
|      |          |    |      |      |      |         | Simultaneous Operations:<br>Tested internal tree cap from below with 33.7 MPa (5000 psi) for 10 min through TCT line, ok. Closed AAV, ROV confirmed.   |
| CTB  | P        | HT | 0300 | 0600 | 3.00 | 2517.0m | Disconnected umbilical line from LLSA and removed from derrick with starboard side crane. Rigged down sheave and laid out same.  |

**Bulk Stocks**

| Name          | Unit | In  | Used | Adjust | Balance | Comment |
|---------------|------|-----|------|--------|---------|---------|
| Barite        | mT   | 0   | 0    | 0      | 84.0    |         |
| Gel           | mT   | 0   | 0    | 0      | 53.0    |         |
| Cement        | mT   | 0   | 0    | 0      | 70.0    |         |
| Fuel          | m3   | 0   | 7.6  | 0      | 376.6   |         |
| Potable Water | m3   | 33  | 27   | 0      | 335.0   |         |
| Drill Water   | m3   | 100 | 40   | 0      | 487.0   |         |

**Personnel On Board**

| Company                 | Comment | Pax        |
|-------------------------|---------|------------|
| Santos                  |         | 9          |
| DOGC                    |         | 45         |
| ESS                     |         | 8          |
| BHI                     |         | 2          |
| Dowell                  |         | 2          |
| Rheochem                |         | 2          |
| TMT                     |         | 6          |
| Premium Casing Services |         | 2          |
| Expro                   |         | 5          |
| Rig Cool                |         | 2          |
| Other                   |         | 1          |
| Cameron                 |         | 4          |
| Other                   |         | 2          |
| Schlumberger Testing    |         | 6          |
| Other                   |         | 1          |
| RPS                     |         | 1          |
| Fugro                   |         | 2          |
| <b>Total</b>            |         | <b>100</b> |

| Casing |                 |                      |   |
|--------|-----------------|----------------------|---|
| OD     | L.O.T. / F.I.T. | Casing Shoe (MD/TVD) | Cementing   |
| 762mm  | /               | 130.90/130.90        | As per cement data.<br>Class G lead slurry to surface. Class G tail TOC at ± 492m (150m). |
| 340mm  | 2.12 /          | 642.20/642.20        |   |
| 244mm  | /               | 1936.00/             |   |

## HSE Summary

| Events                     | Num Events | Date of Last | Days Since | Remarks  |
|----------------------------|------------|--------------|------------|--|
| Abandon Drill              | 1          | 18 Aug 2008  | 2 Days     | Abandonment drill completed after the fire drill. Completed full muster after emergency under control in 25 minutes, initial muster completed in 11 min.   |
| Fire Drill                 | 1          | 18 Aug 2008  | 2 Days     | Simulated fire in the well test area (pre well test drill). Emergency alarm sounded at 12:52 hrs, emergency under control at 13:03 hrs.  |
| First Aid                  | 1          | 13 Aug 2008  | 7 Days     | During the relocation of a container on the port pipe deck, IP located hand on corner of a container to assist another roustabout to steady for placement. IP looked at the base of the container when it swung and caught his hand between the container and wall resulting in a bruised hand.  |
| JHA                        | 28         | 20 Aug 2008  | 0 Days     | Drill crew - 12<br>Deck Crew - 11<br>Welder - 2<br>Mechanic - 3  |
| Lost Time Incident         | 1          | 30 May 2008  | 82 Days    | Man had his left hand caught between an 8" drill collar and the casing tongs when he was trying to secure the tong.<br>Preliminary checks on the rig deemed only stitches required and the hand was not broken.<br>The person was medivac'd off the rig @ 23:00hrs.<br>Man was released from Royal Hobart hospital with 12 stitches to the hand (no broken bones).   |
| Medical Treatment Incident | 1          | 24 Jul 2008  | 27 Days    | IP sustained a deep cut to his left leg. This was caused by his foot slipping off a timber support and hitting his shin.<br>The IP will be flown out on crew chopper.<br>Note: IP received 7 stitches and has been given clearance to return to work. Resumed duties 25th Jul 08.  |
| Medical Treatment Incident | 1          | 13 Aug 2008  | 7 Days     | During lifting operations of 3rd party tooling on the pipe deck, IP was assisting the dogman in attaching slings to the whip-line hook. During this process the hook swung and hit the IP in the side of the hardhat resulting in an injury to the IP's neck. The IP was immobilised as a precautionary measure, treated as per symptoms and in readiness for medivac to hospital for further assessment.          |
| Pre-Tour Meeting           | 4          | 20 Aug 2008  | 0 Days     | Discussed upcoming operations and associated hazards prior to each shift starting.   |
| PTW Issued                 | 13         | 20 Aug 2008  | 0 Days     | 7 x hot work permits<br>6 x cold work permits  |
| Rig Inspection             | 1          | 20 Aug 2008  | 0 Days     | Conducted 2 by Santos STOP audits.<br>1 in moonpool: found several housekeeping issues with wire rope and hoses causing potential trip hazards. Wrapped blue pod line with caution tape and removed grease cans no longer required.<br>2 in sack room: conducted STOP audit during glycol handling operations. Good understanding of hazards, PPE and operations throughout job. Completed safely and efficiently. |
| Safety Audit               | 1          | 29 Jul 2008  | 22 Days    | Santos environment audit conducted.  |
| Safety Audit               | 1          | 30 Jul 2008  | 21 Days    | EHSMS audit conducted onboard.   |
| Safety Meeting             | 1          | 13 Aug 2008  | 7 Days     | Held 'Time Out for Safety' meeting on the rig floor with senior DODI and Santos personnel, drill crew, deck crew and third party. Reviewed 2 incidents which occurred on the previous tour and associated safety outcomes. Opened the floor and discussed safe acts and feedback.  |
| Safety Meeting             | 3          | 17 Aug 2008  | 3 Days     | Reviewed stop cards for the week and awarded Santos best stop card th Carl Hoseason.<br>Reviewed safety alerts from other DODI facilities. Reviewed medivac incident from previous week and first aid.   |
| Santos Induction           | 1          | 20 Aug 2008  | 0 Days     | Gave Santos induction to new personnel to site after DODI induction.   |
| Stop Observations          | 45         | 20 Aug 2008  | 0 Days     | 24 - Safe<br>21 - Corrective Actions   |
| STOP Tour                  | 1          | 17 Aug 2008  | 3 Days     | Submitted Diamond supervisor audits.   |
| Trip/Pit Drill             | 1          | 09 Aug 2008  | 11 Days    | Sounded the alarm on the drill floor for a kick drill. Shut in DP, spaced out and closed BOP's. Conducted choke drill by circulating fluid through choke manifold  |

| Shakers, Volumes and Losses Data |                    |             |                    | Engineer : Kelly Jericho |                 |                    |       |
|----------------------------------|--------------------|-------------|--------------------|--------------------------|-----------------|--------------------|-------|
| Available                        | 67.6m <sup>3</sup> | Losses      | 84.3m <sup>3</sup> | Equip.                   | Descr.          | Mesh Size          | Hours |
| Active                           | 51.7m <sup>3</sup> | Downhole    |                    | Centrifuge 1             | MI SW FVS 518   |                    | 0     |
| Mixing                           | 0.0m <sup>3</sup>  | Surf+ Equip | 0.0m <sup>3</sup>  | Centrifuge 1             | MI SW FVS 518   |                    | 0     |
| Hole                             |                    | Dumped      | 84.3m <sup>3</sup> | Centrifuge 2             | MI SW FVS 518   |                    | 0     |
| Slug                             |                    | De-Sander   |                    | Centrifuge 2             | MI SW FVS 518   |                    | 0     |
| Reserve                          | 15.9m <sup>3</sup> | De-Silter   |                    | Shaker 3                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |
| Kill                             |                    | Centrifuge  |                    | Shaker 3                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |
| Storage                          |                    |             |                    | Shaker 4                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |
|                                  |                    |             |                    | Shaker 4                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |
|                                  |                    |             |                    | Shaker 5                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |
|                                  |                    |             |                    | Shaker 5                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |
|                                  |                    |             |                    | Shaker 6                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |
|                                  |                    |             |                    | Shaker 6                 | Bem 650 - MI SW | 40 / 20 230 HC x 4 | 0     |

| Marine                                |              |           |              |            |              |                  |             |             |               |              |
|---------------------------------------|--------------|-----------|--------------|------------|--------------|------------------|-------------|-------------|---------------|--------------|
| Weather check on 20 Aug 2008 at 24:00 |              |           |              |            |              |                  |             | Rig Support |               |              |
| Visibility                            | Wind Speed   | Wind Dir. | Pressure     | Air Temp.  | Wave Height  | Wave Dir.        | Wave Period | Anchors     | Chain out (m) | Tension (mt) |
| 14.8km                                | 46km/h       | 300.0deg  | 1016.00bar   | 11.0C°     | 2.0m         | 300.0deg         | 5sec        | 1           | 1382.9        | 132.00       |
| Roll                                  | Pitch        | Heave     | Swell Height | Swell Dir. | Swell Period | Weather Comments |             | 2           | 1382.9        | 133.81       |
| 0.5deg                                | 0.5deg       | 0.50m     | 3.0m         | 260.0deg   | 13sec        |                  |             | 3           | 1399.9        | 137.89       |
| Rig Dir.                              | Ris. Tension | VDL       | Comments     |            |              |                  |             | 4           | 1376.8        | 132.00       |
| 215.0deg                              | 124.74mt     | 821.00mt  |              |            |              |                  |             | 5           | 1410.9        | 127.01       |
|                                       |              |           |              |            |              |                  |             | 6           | 1421.0        | 127.91       |
|                                       |              |           |              |            |              |                  |             | 7           | 1410.9        | 117.93       |
|                                       |              |           |              |            |              |                  |             | 8           | 1414.0        | 120.20       |

| Boats       | Arrived (date/time) | Departed (date/time) | Status                 | Bulks         |      |          |
|-------------|---------------------|----------------------|------------------------|---------------|------|----------|
| Far Grip    | 23:45 hrs 17.08.08  |                      | Standby Ocean Patriot. | Item          | Unit | Quantity |
|             |                     |                      |                        | Fuel          | m3   | 391      |
|             |                     |                      |                        | Potable Water | m3   | 481      |
|             |                     |                      |                        | Drill Water   | m3   | 310      |
|             |                     |                      |                        | KCl Brine     | m3   | 137      |
|             |                     |                      |                        | NaCl Brine    | m3   | 7        |
|             |                     |                      |                        | Mud           | m3   | 157      |
|             |                     |                      |                        | Cement        | mt   | 43.5     |
|             |                     |                      |                        | Barite        | mt   | 84       |
|             |                     |                      |                        | Gel           | mt   | 59       |
| Nor Captain | 23:45 hrs 19.08.08  |                      | Standby Ocean Patriot  | Item          | Unit | Quantity |
|             |                     |                      |                        | Fuel          | m3   | 571.3    |
|             |                     |                      |                        | Potable Water | m3   | 378      |
|             |                     |                      |                        | Gel           | mt   | 42       |
|             |                     |                      |                        | Cement        | mt   | 38       |
|             |                     |                      |                        | Drill Water   | m3   | 370      |
|             |                     |                      |                        | Barite        | mt   | 70       |
|             |                     |                      |                        | Mud           | m3   | 36       |

| Helicopter Movement |       |               |         |     |  |
|---------------------|-------|---------------|---------|-----|--|
| Flight #            | Time  | Destination   | Comment | Pax |  |
| GYJ                 | 11:53 | Ocean Patriot |         | 9   |  |
| GYJ                 | 12:06 | Essendon      |         | 7   |  |