

From : Peter Devine/ Rohan Richardson
OIM : Dennis Gore

Well Data

| | | | | | | | |
|-------------------|---------------|-------------------|--|-------------------|----------|------------|--------------|
| Country | Australia | Measured Depth | 2047.0m | Current Hole Size | 311mm | AFE Cost | \$41,512,831 |
| Field | | TVD | 1716.0m | Casing OD | 340mm | AFE No. | 5746043 |
| Drill Contractor | DOGC | Progress | 0.0m | Shoe MD | 652.0m | Daily Cost | \$814,602 |
| Rig | Ocean Patriot | Days from spud | 29.87 | Shoe TVD | 652.0m | Cum Cost | \$31,357,767 |
| Water Depth (LAT) | 66.3m | Days on well | 7.79 | F.I.T. / L.O.T. | / 2.20sg | Planned TD | 2552.0m |
| RT-SL(LAT) | 21.5m | Current Op @ 0600 | Continue to back ream out of hole from 1800 m. | | | | |
| RT-ML | 87.8m | Planned Op | Back ream out of hole to 1400 m, circulate bottoms up and RIH conventionally for wiper trip to TD. | | | | |
| Rig Heading | 217.0deg | | | | | | |

Summary of Period 0000 to 2400 Hrs

RIH wiper trip from 951 m to TD at 2047 m, back reaming from 1481 m.

Formations

| Name | Top (MD) | Top (TVD) | Comment |
|----------------------|----------|-----------|-----------|
| Massacre Shale | 1207.0m | 1189.1m | 33.3m Low |
| Timboon Fm | 1222.0m | 1202.2m | 36.4m Low |
| Paarratte Fm | 1443.0m | 1382.3m | 28.5m Low |
| Skull Creek Mudstone | 1682.0m | 1564.0m | 19.7m Low |

Operations For Period 0000 Hrs to 2400 Hrs on 23 Sep 2008

| Phse | Cls (RC) | Op | From | To | Hrs | Depth | Activity Description |
|------|----------|----|------|------|-------|---------|---|
| IC | U (HC) | WT | 0000 | 0130 | 1.50 | 2047.0m | Continued to RIH from 951 m to 1481 m. |
| IC | U (HC) | WT | 0130 | 1930 | 18.00 | 2047.0m | Unable to pass bridge at 1481 m. Made up TDS, washed and reamed in hole from 1481 m to 2030 m. Hole packing off and string stalling out continuously. Unable to establish movement up or down without pumps. Worked each stand clean until minimal torque and drag encountered. Heavy returns observed at shakers at times with some fine sand and filter cake initially. Simultaneous Operations: Increased mud weight to 1.38 sg (11.5 ppg). |
| IC | U (HC) | WT | 1930 | 2000 | 0.50 | 2047.0m | Saver sub broke out from TDS at connection. Laid out single and made up new. |
| IC | U (HC) | WT | 2000 | 2100 | 1.00 | 2047.0m | Continued to ream in from 2030 m to TD at 2047 m. Hole starting to improve with no packing off and cleaning up after first run. |
| IC | U (HC) | WT | 2100 | 2400 | 3.00 | 2047.0m | At TD staged pumps up from 2461 L/min (650 GPM) to 3785 L/min (1000 GPM) while working stand with 160 RPM. No pack off, hole cleaning up. Simultaneous Operations: Offloaded KCL bulk bags from Far Grip and commenced adding to active to increase KCL concentration from 8% to 10% bt wt. |

Operations For Period 0000 Hrs to 0600 Hrs on 24 Sep 2008

| Phse | Cls (RC) | Op | From | To | Hrs | Depth | Activity Description |
|------|----------|----|------|------|------|---------|---|
| IC | U (HC) | WT | 0000 | 0245 | 2.75 | 2047.0m | Continued to circulate hole clean and condition mud. Laid out stand and worked from 2028 m to 2000 m. RIH to 2043 m and circulated Hi-vis sweep. Simultaneous Operations: Added KCL to active to 10% by wt. Prepared 11.1 m3 (70 bbl) Hi vis sweep and pumped same. |
| IC | U (HC) | WT | 0245 | 0300 | 0.25 | 2047.0m | Flow checked well, ok. |
| IC | U (HC) | WT | 0300 | 0330 | 0.50 | 2047.0m | POOH conventionally from 2047 m to 1951 m. |
| IC | U (HC) | WT | 0330 | 0600 | 2.50 | 2047.0m | Unable to work past 1951 m with 31 t (71 klbs) overpull. Broke circulation and back reamed out of hole from 1951 m to 1800 m with 2461 L/min (650) GPM and 150 RPM. |

| WBM Data | | Cost Today \$ 28914 | | | | | | | |
|--------------|---------|--|-----------------------|----------|------|-------------------|------|------------|-----------|
| Mud Type: | KCL/GLY | API FL: | 4cm ³ /30m | KCl: | 8% | Solids: | 12 | Viscosity: | 0sec/L |
| Sample-From: | Pit | Filter-Cake: | | Hard/Ca: | 600 | H ₂ O: | 88% | PV: | 0.030Pa/s |
| Time: | 22:30 | HTHP-FL: | | MBT: | 8 | Oil: | | YP: | 0.187MPa |
| Weight: | 1.38sg | HTHP-Cake: | 0mm | PM: | 0.1 | Sand: | 0.9 | Gels 10s: | 0.048 |
| Temp: | 116.0C° | | | PF: | 0.04 | pH: | 8.5 | Gels 10m: | 0.129 |
| | | | | | | PHPA: | 1ppb | Fann 003: | 10 |
| | | | | | | | | Fann 006: | 13 |
| | | | | | | | | Fann 100: | 40 |
| | | | | | | | | Fann 200: | 56 |
| | | | | | | | | Fann 300: | 69 |
| | | | | | | | | Fann 600: | 99 |
| Comment | | Treated active with Flowzan, KCL and Glychem MC while circulating and reaming to bottom. | | | | | | | |

| Bulk Stocks | | | | | | |
|---------------|------|----|------|--------|---------|---------|
| Name | Unit | In | Used | Adjust | Balance | Comment |
| Barite | mT | 0 | 26 | 0 | 92.0 | |
| Gel | mT | 0 | 0 | 0 | 33.0 | |
| Cement | mT | 0 | 0 | 0 | 51.0 | |
| Fuel | m3 | 0 | 17.2 | 0 | 470.8 | |
| Potable Water | m3 | 0 | 17 | 0 | 376.0 | |
| Drill Water | m3 | 29 | 53 | 0 | 331.0 | |

| Personnel On Board | | |
|--------------------------------------|-------------|-----|
| Company | Comment | Pax |
| Santos | | 4 |
| DOGC | | 47 |
| ESS | | 8 |
| BHI | | 6 |
| Dowell | | 2 |
| Rheochem | | 2 |
| MI Swaco | | 1 |
| TMT | | 6 |
| Cameron | | 2 |
| Schlumberger Drilling & Measurements | MWD / LWD | 3 |
| Santos | Geologist | 1 |
| Schlumberger Drilling & Measurements | Directional | 3 |
| Premium Casing Services | | 6 |
| Taylor Brothers | | 2 |
| DOGC | | 1 |
| Total | | 94 |

| HSE Summary | | | | |
|----------------------------|------------|--------------|------------|---|
| Events | Num Events | Date of Last | Days Since | Remarks |
| Abandon Drill | 1 | 21 Sep 2008 | 2 Days | Abandon drill completed after the simulated fire drill under control. Alarm sounded at 10:29 hrs, initial muster completed at 10:42 hrs, full muster completed at 10:52 hrs. Some personnel who were woken reported to incorrect muster station due to not hearing the PA. Control - personnel responsible for checking rooms to communicate announcements and check understanding. |
| Environmental Audit | 1 | 03 Sep 2008 | 20 Days | Rig visit by DPI. Conducted an environmental audit on Santos operation. |
| Fire Drill | 1 | 21 Sep 2008 | 2 Days | Simulated a fire on the port box girder oil drums. Alarm sounded at 10:29 hrs, emergency under control at 10:38 hrs. Rescue and fire teams discussed scenario and resolution. |
| First Aid | 1 | 06 Sep 2008 | 17 Days | IP was needle gunning when his right hand slipped off the gun and the right index finger went under the needles of the gun causing a 3cm laceration. The finger was treated and the IP resumed full duties. |
| JHA | 27 | 23 Sep 2008 | 0 Days | Drill crew - 10 Deck Crew - 10 Mechanic - 5 Elec - 2 |
| Lost Time Incident | 1 | 30 May 2008 | 116 Days | Man had his left hand caught between an 8" drill collar and the casing tongs when he was trying to secure the tong. Preliminary checks on the rig deemed only stitches required and the hand was not broken. The person was medivac'd off the rig @ 23:00hrs. Man was released from Royal Hobart hospital with 12 stitches to the hand (no broken bones). |
| Medical Treatment Incident | 1 | 13 Aug 2008 | 41 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 | 23 Sep 2008 | 0 Days | Discussed upcoming operations and associated hazards prior to each shift starting. |
| PTW Issued | 11 | 23 Sep 2008 | 0 Days | 5 x hot work 6 x cold work |
| Safety Audit | 1 | 29 Jul 2008 | 56 Days | Santos environment audit conducted. |
| Safety Audit | 1 | 30 Jul 2008 | 55 Days | EHSMS audit conducted onboard. |
| Safety Meeting | 3 | 21 Sep 2008 | 2 Days | Reviewed stop cards for the week and awarded Santos Stop card winner to Gavin Shaw and Jamie Durnin. Discussed the fire drill and the scenario of a fire on the port side box girder. Reviewed DODI alcohol and drug policy. |
| Santos Induction | 1 | 23 Sep 2008 | 0 Days | Inducted new personnel to site after DODI rig wide induction. |
| Stop Observations | 48 | 23 Sep 2008 | 0 Days | 29 - Safe 19 - Corrective Actions |
| STOP Tour | 3 | 22 Sep 2008 | 1 Day | Submitted 3 by Diamond supervisor Stop audit. |

| Shakers, Volumes and Losses Data | | | | Engineer : Kellie Jericho / Carrisa | | | |
|----------------------------------|---------------------|-------------|--------------------|-------------------------------------|--------|-----------|-------|
| Available | 253.2m ³ | Losses | 72.7m ³ | Equip. | Descr. | Mesh Size | Hours |
| Active | 68.4m ³ | Downhole | 17.5m ³ | | | | |
| Mixing | | Surf+ Equip | 34.8m ³ | | | | |
| Hole | 158.7m ³ | Dumped | | | | | |
| Slug | 0.0m ³ | De-Sander | | | | | |
| Reserve | 26.1m ³ | De-Silter | | | | | |
| Kill | 0.0m ³ | Centrifuge | 20.4m ³ | | | | |
| Storage | | | | | | | |

| Marine | | | | | | | | Rig Support | | |
|---------------------------------------|--------------|-----------|--------------|------------|--------------|------------------|-------------|-------------|---------------|--------------|
| Weather check on 23 Sep 2008 at 24:00 | | | | | | | | | | |
| Visibility | Wind Speed | Wind Dir. | Pressure | Air Temp. | Wave Height | Wave Dir. | Wave Period | Anchors | Chain out (m) | Tension (mt) |
| 18.5km | 37km/h | 250.0deg | 1021.00bar | 12.0C° | 1.0m | 250.0deg | 3sec | 1 | 1353.0 | 128.82 |
| Roll | Pitch | Heave | Swell Height | Swell Dir. | Swell Period | Weather Comments | | | | |
| 0.7deg | 0.5deg | 1.00m | 3.5m | 240.0deg | 12sec | | | | | |
| Rig Dir. | Ris. Tension | VDL | Comments | | | | | | | |
| 217.0deg | 122.47mt | 997.45mt | | | | | | | | |
| | | | | | | | | 8 | 1389.9 | 130.18 |

| Boats | Arrived (date/time) | Departed (date/time) | Status | Bulks | | |
|-------------|---------------------|----------------------|--|---------------|-------------|-----------------|
| Far Grip | 20:45 hrs 23/09/08 | | Standby Ocean Patriot | Item | Unit | Quantity |
| | | | | Fuel | m3 | 230 |
| | | | | Potable Water | m3 | 376 |
| | | | | Drill Water | m3 | 530 |
| | | | | Gel | mt | 59 |
| | | | | Cement | mt | 40.5 |
| | | | | Barite | mt | 0 |
| | | | | KCl Brine | m3 | 9 |
| | | | | NaCl Brine | m3 | 0 |
| | | | | Mud | m3 | 43.7 |
| Nor Captain | | 20:45 hrs 23/09/08 | On steam to Portland, ETA 01:00 hrs 24/09/08 | Item | Unit | Quantity |
| | | | | Fuel | m3 | 356 |
| | | | | Potable Water | m3 | 248 |
| | | | | Drill Water | m3 | 414 |
| | | | | Gel | mt | 42 |
| | | | | Cement | mt | 0 |
| | | | | Barite | mt | 0 |
| | | | | KCl Brine | m3 | 0 |
| | | | | NaCl Brine | m3 | 0 |
| | | | | Mud | m3 | 0 |

| Helicopter Movement | | | | | |
|---------------------|-------|---------------|---------|-----|--|
| Flight # | Time | Destination | Comment | Pax | |
| BYV | 10:54 | Ocean Patriot | | 7 | |
| BYV | 11:02 | Essendon | | 7 | |