

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 | \$1,286,749 |
| Rig | Ocean Patriot | Days from spud | 31.87 | Shoe TVD | 652.0m | Cum Cost | \$33,454,633 |
| Water Depth (LAT) | 66.3m | Days on well | 9.79 | F.I.T. / L.O.T. | / 2.20sg | Planned TD | 2552.0m |
| RT-SL(LAT) | 21.5m | Current Op @ 0600 Continue attempting to work pipe free from 1913 m. | | | | | |
| RT-ML | 87.8m | Planned Op Mix and pump SAPP / citric acid pill, displace over calculated stuck pipe area and attempt to work casing free. | | | | | |
| Rig Heading | 217.0deg | | | | | | |

Summary of Period 0000 to 2400 Hrs

POOH wear bushing from 85 m. Rigged up and RIH 244 mm (9 5/8") by 273 mm (10 3/4") casing as per programme to 1808 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 25 Sep 2008

| Phse | Cls (RC) | Op | From | To | Hrs | Depth | Activity Description |
|------|----------|-----|------|------|-------|---------|---|
| IC | P | WT | 0000 | 0130 | 1.50 | 2047.0m | POOH wear bushing to slip joint. Made up TDS and rotated wear bushing retrieval tool past slip joint. Continued to pull wear bushing and jet sub, laid out same. Minimal wear on wear bushing. Cleaned up floor and rigged down DP handling gear. |
| IC | P | SM | 0130 | 0145 | 0.25 | 2047.0m | Held pre job safety meeting, reviewed Drill Crew and Casing Running Crew JSA's. Discussed previous incidents and controls. |
| IC | P | RRC | 0145 | 0330 | 1.75 | 2047.0m | Rigged up to run 244 mm (9 5/8") casing. |
| IC | P | CRN | 0330 | 0415 | 0.75 | 2047.0m | Made up shoe track with Baker-Lok and tested floats, ok. |
| IC | P | CRN | 0415 | 1730 | 13.25 | 2047.0m | Continued to RIH 244 mm (9 5/8") casing to 1451 m. Filled pipe every broke circulation every 10 jts. |
| IC | P | CRN | 1730 | 1830 | 1.00 | 2047.0m | Changed out casing handling equipment from 244 mm (9 5/8") to 273 mm (10 3/4"). |
| IC | P | CRN | 1830 | 2130 | 3.00 | 2047.0m | Continued to RIH 273 mm (10 3/4") casing from 1451 m to 1700 m. |
| IC | TP (VE) | OA | 2130 | 2230 | 1.00 | 2047.0m | Picked up joint #22 with 500 t slip type elevators 2 m below collar to allow FAC tool to fill casing. Casing slipped quickly through elevators to catch up on collar. Landed out casing in FMS and cleaned elevator dies with a brush and detergent, removed with a pressure cleaner. Picked up joint #23, casing slipped 2 m again. Rigged down 500 t slip type elevators and rigged up 350 t side door elevators. Circulated pipe while changing over elevators at 486 L/min (128 GPM). |
| IC | P | CRN | 2230 | 2400 | 1.50 | 2047.0m | Continued to RIH 273 mm (10 3/4") casing from 1712 m to 1808 m. Casing started to drag an extra 8.9-22 t (20-50 klbs) below average running weight, 133 t (300 klbs inc blocks). |

Operations For Period 0000 Hrs to 0600 Hrs on 26 Sep 2008

| Phse | Cls (RC) | Op | From | To | Hrs | Depth | Activity Description |
|------|----------|-----|------|------|------|---------|--|
| IC | P | CRN | 0000 | 0100 | 1.00 | 2047.0m | Continued to RIH 273 mm (10 3/4") casing from 1808 m to 1868 m. Casing continued to drag 8.9-22 t (20 - 50 klbs) below average running weight, 133 t (300 klbs inc blocks). |
| IC | P | CRN | 0100 | 0230 | 1.50 | 2047.0m | Made up 273 mm (10 3/4") by 114 mm (4 1/2") IF water bushing to casing joint on drill floor. Made up casing joint to casing string and TDS to water bushing. Washed casing in from 1868 m to 1913 m with 484 L/min (128 GPM). |
| IC | TP (SP) | CRN | 0230 | 0600 | 3.50 | 2047.0m | Attempted to run joint #39 273 mm (10 3/4") casing, unsuccessful. Unable to get casing moving from slips. Varied parameters from 67-289 t (150 - 650 klbs), 0-27.1 kNm (0-20 kft.lbs) torque, 0-969 L/min (0-256 GPM) flow rate. Performed pull test to calculate stuck point: Test #1: Starting weight 156 t (350 klbs), final weight 178 t (400 klbs), avg csg weight 76.5 kg/m (51 ppf), distance travelled 178 mm (7"). Test #2: Starting weight 156 t (350 klbs), final weight 200 t (450 klbs), avg csg weight 76.5 kg/m (51 ppf), distance travelled 241 mm (9.5"). |

| WBM Data | | Cost Today \$ 0 | | | | | | | |
|--------------|---------|--|-----------------------|----------|------|-------------------|------|------------|-----------|
| Mud Type: | KCL/GLY | API FL: | 4cm ³ /30m | KCl: | 11% | Solids: | 14 | Viscosity: | 0sec/L |
| Sample-From: | Pit | Filter-Cake: | | Hard/Ca: | 720 | H ₂ O: | 85% | PV: | 0.029Pa/s |
| Time: | 22:00 | HTHP-FL: | | MBT: | 10 | Oil: | | YP: | 0.158MPa |
| Weight: | 1.44sg | HTHP-Cake: | 0mm | PM: | 0.1 | Sand: | 0.25 | Gels 10s: | 0.043 |
| Temp: | | | | PF: | 0.05 | pH: | 8.5 | Gels 10m: | 0.158 |
| | | | | | | PHPA: | 1ppb | Fann 003: | 9 |
| | | | | | | | | Fann 006: | 11 |
| | | | | | | | | Fann 100: | 35 |
| | | | | | | | | Fann 200: | 50 |
| | | | | | | | | Fann 300: | 62 |
| | | | | | | | | Fann 600: | 91 |
| Comment | | DIF fluid in pit 5 contaminated with 13 bbls of KCL/Gly/PHPA mud when mud pressure safety valve activated. | | | | | | | |

| Bulk Stocks | | | | | | | |
|---------------|------|----|------|--------|---------|---------|--|
| Name | Unit | In | Used | Adjust | Balance | Comment | |
| Barite | mT | 0 | 0 | 0 | 56.0 | | |
| Gel | mT | 0 | 0 | 0 | 33.0 | | |
| Cement | mT | 0 | 0 | 0 | 94.0 | | |
| Fuel | m3 | 0 | 7.5 | 0 | 441.5 | | |
| Potable Water | m3 | 6 | 8 | 0 | 356.0 | | |
| Drill Water | m3 | 22 | 16 | 0 | 710.0 | | |

| 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 | 4 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 | 22 Days | Rig visit by DPI. Conducted an environmental audit on Santos operation. |
| Fire Drill | 1 | 21 Sep 2008 | 4 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 | 19 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 | 30 | 25 Sep 2008 | 0 Days | Drill crew - 16 Deck Crew - 12 Welder - 2 |
| Lost Time Incident | 1 | 30 May 2008 | 118 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 | 43 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 | 25 Sep 2008 | 0 Days | Discussed upcoming operations and associated hazards prior to each shift starting. |
| PTW Issued | 14 | 25 Sep 2008 | 0 Days | 10 x hot work 4 x cold work |
| Safety Audit | 1 | 29 Jul 2008 | 58 Days | Santos environment audit conducted. |
| Safety Audit | 1 | 30 Jul 2008 | 57 Days | EHSMS audit conducted onboard. |
| Safety Meeting | 3 | 21 Sep 2008 | 4 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 | 25 Sep 2008 | 0 Days | Inducted new personnel to site after DODI rig wide induction. |
| Stop Observations | 39 | 25 Sep 2008 | 0 Days | 21 - Safe 18 - Corrective Actions |
| STOP Tour | 2 | 25 Sep 2008 | 0 Days | Submitted 3 by Diamond supervisor Stop audit. |

| Shakers, Volumes and Losses Data | | | | Engineer : Kellie Jericho / Carrisa | | | |
|----------------------------------|---------------------|-------------|-------------------|-------------------------------------|--------|-----------|-------|
| Available | 254.6m ³ | Losses | 4.3m ³ | Equip. | Descr. | Mesh Size | Hours |
| Active | 67.6m ³ | Downhole | 0.0m ³ | | | | |
| Mixing | | Surf+ Equip | 4.3m ³ | | | | |
| Hole | 151.8m ³ | Dumped | | | | | |
| Slug | 0.0m ³ | De-Sander | | | | | |
| Reserve | 33.1m ³ | De-Silter | | | | | |
| Kill | 0.0m ³ | Centrifuge | 0.0m ³ | | | | |
| Storage | 2.1m ³ | | | | | | |

| Marine | | | | | | | | Rig Support | | |
|---------------------------------------|--------------|-----------|--------------|------------|--------------|------------------|-------------|-------------|---------------|--------------|
| Weather check on 25 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 | 30km/h | 40.0deg | 1014.00bar | 13.0C° | 0.1m | 40.0deg | 3sec | 1 | 1353.0 | 89.81 |
| Roll | Pitch | Heave | Swell Height | Swell Dir. | Swell Period | Weather Comments | | | | |
| 0.5deg | 0.3deg | 0.30m | 1.5m | 240.0deg | 12sec | | | | | |
| Rig Dir. | Ris. Tension | VDL | Comments | | | | | | | |
| 217.0deg | 122.47mt | 1002.44mt | | | | | | | | |
| | | | | | | | | 8 | 1389.9 | 82.10 |

| 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 | 205 |
| | | | | Potable Water | m3 | 112 |
| | | | | Drill Water | m3 | 340 |
| | | | | Gel | mt | 59 |
| | | | | Cement | mt | 0 |
| | | | | Barite | mt | 0 |
| | | | | KCl Brine | m3 | 9 |
| | | | | NaCl Brine | m3 | 0 |
| | | | | Mud | m3 | 43.7 |
| Nor Captain | 20:20 hrs 24.09.08 | | Standby Ocean Patriot | Item | Unit | Quantity |
| | | | | Fuel | m3 | 561.9 |
| | | | | Potable Water | m3 | 267 |
| | | | | Drill Water | m3 | 414 |
| | | | | Gel | mt | 42 |
| | | | | Cement | mt | 0 |
| | | | | Barite | mt | 84 |
| | | | | KCl Brine | m3 | 0 |
| | | | | NaCl Brine | m3 | 0 |
| | | | | Mud | m3 | 0 |

| Helicopter Movement | | | | |
|---------------------|-------|---------------|---------|-----|
| Flight # | Time | Destination | Comment | Pax |
| BYV | 11:03 | Ocean Patriot | | 10 |
| BYV | 11:16 | Essendon | | 13 |