



DRILLING MORNING REPORT # 15
Culverin 1

26 Dec 2005

From: Ron King/ Webby
To: J Ah-Cann

| Well Data | | | | | | | |
|-------------------|-----------------|---|----------|----------------|------------|---------------------|-------------|
| Country | Australia | MDBRT | 2,641.0m | Cur. Hole Size | 12.250in | AFE Cost | \$ 22699889 |
| Field | Gippsland Basin | TVDBRT | 2,639.0m | Last Casing OD | 13.375in | AFE No. | 3433-1001 |
| Drill Co. | DOGC | Progress | 510.0m | Shoe TVDBRT | 1,511.8m | Daily Cost | \$ 0 |
| Rig | OCEAN PATRIOT | Days from spud | 10.44 | Shoe MDBRT | 1,511.8m | Cum Cost | \$ 11635849 |
| Wtr Dpth(MSL) | 585.0m | Days on well | 14.35 | FIT/LOT: | / 15.80ppg | Days Since Last LTI | 951 |
| RT-ASL(MSL) | 21.5m | Planned TD MD | | | | | |
| RT-ML | 606.5m | Planned TD TVDRT | | | | | |
| Current Op @ 0600 | | Drilling ahead 311 mm (12 1/4") hole in Lakes Entrance formation at 2758.0 mMDRT. | | | | | |
| Planned Op | | Drill ahead 311 mm (12 1/4") hole. | | | | | |

| Summary of Period 0000 to 2400 Hrs |
|--|
| Drilled ahead 311 mm (12 1/4") hole from 2131.0 mMDRT to 2641.0 mMDRT. Top of Lakes Entrance Formation picked at 2508.0 mMDRT. |

| Operations For Period 0000 Hrs to 2400 Hrs on 26 Dec 2005 | | | | | | | |
|---|----------|----|------|------|-------|----------|--|
| Phse | Cls (RC) | Op | From | To | Hrs | Depth | Activity Description |
| IH | P | DA | 0000 | 2400 | 24.00 | 2,641.0m | Drilled 311mm (12 1/4") hole from 2131m to 2641mMDRT String wt 310klbs, Tq 4-8000ftlbs, 150 rpm surface, 260rpm DH, WOB 12-15klbs, 3300psi, 900gpm. Boost riser while drilling. Max gas for 24hr period 0.82%. Increase mud weight from 1.14sg to 1.2sg (9.5ppg - 10ppg) ROP average 21.25m/hr (including connections) Survey results @2629.39m, 3.86deg, 40.58azimuth |

| Operations For Period 0000 Hrs to 0600 Hrs on 27 Dec 2005 | | | | | | | |
|---|----------|----|------|------|------|----------|--|
| Phse | Cls (RC) | Op | From | To | Hrs | Depth | Activity Description |
| IH | P | DA | 0000 | 0600 | 6.00 | 2,758.0m | Drilled 311mm (12 1/4") hole from 2641m to 2758m MDRT String wt 310klbs, Tq 4-8000ftlbs, 150 rpm surface, 259rpm DH, WOB 12-20klbs, 3300psi, 900gpm. Boost riser while drilling. Max gas for 6hr period 0.02%. ROP average 19.5m/hr (including connections) Survey results @2715.15m, 3.77deg, 40.42azimuth |

| Phase Data to 2400hrs, 26 Dec 2005 | | | | | | | |
|------------------------------------|-----------|-------------|-------------|---------|----------|-----------|--|
| Phase | Phase Hrs | Start On | Finish On | Cum Hrs | Cum Days | Max Depth | |
| RIG MOVE/RIG-UP/PRESPUD(RM) | 25.75 | 05 Nov 2005 | 14 Dec 2005 | 25.75 | 1.073 | 0.0m | |
| ANCHORING(A) | 44.75 | 14 Dec 2005 | 15 Dec 2005 | 70.50 | 2.938 | 0.0m | |
| SURFACE HOLE(SH) | 30 | 15 Dec 2005 | 17 Dec 2005 | 100.50 | 4.188 | 650.0m | |
| SURFACE CASING(SC) | 16.5 | 16 Dec 2005 | 17 Dec 2005 | 117.00 | 4.875 | 650.0m | |
| INTERMEDIATE CASING(IC) | 1 | 17 Dec 2005 | 17 Dec 2005 | 118.00 | 4.917 | 650.0m | |
| RISER AND BOP STACK(BOP) | 54 | 21 Dec 2005 | 23 Dec 2005 | 172.00 | 7.167 | 1,525.0m | |
| INTERMEDIATE HOLE(IH) | 172.5 | 17 Dec 2005 | 26 Dec 2005 | 344.50 | 14.354 | 2,641.0m | |

| WBM Data | | | | | | | | Cost Today \$ 57591 | |
|---------------------------|--------------|--------------|-----------|-----------|---------------|------|-----------|---------------------|--|
| Mud Type:KCL-NaCl-Polymer | API FL: | 4.0cc/30min | Cl: | 65000mg/l | Solids(%vol): | 10% | Viscosity | 55sec/qt | |
| Sample-From: Active Pit | Filter-Cake: | 1/32nd" | K+C*1000: | 6% | H2O: | 90% | PV | 16cp | |
| Time: 2300 | HTHP-FL: | 13.6cc/30min | Hard/Ca: | 240mg/l | Oil(%): | 0% | YP | 25lb/100ft² | |
| Weight: 10.00ppg | HTHP-cake: | 1/32nd" | MBT: | 5 | Sand: | 0.8 | Gels 10s | 6 | |
| Temp: 22C° | | | PM: | | pH: | 5 | Gels 10m | 9 | |
| | | | PF: | 0.04 | PHPA: | 1ppb | Fann 003 | 5 | |
| | | | | | | | Fann 006 | 7 | |
| | | | | | | | Fann 100 | 25 | |
| | | | | | | | Fann 200 | 34 | |
| | | | | | | | Fann 300 | 41 | |
| | | | | | | | Fann 600 | 57 | |
| Comment | NaCl 6%. | | | | | | | | |

| | | | | | | | | | | | | |
|-------------------|--------------|----------|----------|----------------|----------|---------------------------------|------------|--------------------|--------------------------------|---|----|---|
| Bit # 3 | | | | Wear | I | O1 | D | L | B | G | O2 | R |
| Bitwear Comments: | | | | | | | | | | | | |
| Size ("): | 12.250in | IADC# | M422 | Nozzles | | Drilled over last 24 hrs | | | Calculated over Bit Run | | | |
| Mfr: | REED HYCALOG | WOB(avg) | 13.00klb | No. | Size | Progress | 510.0m | Cum. Progress | 1,116.0m | | | |
| Type: | PDC | RPM(avg) | 150 | 2 | 28/32nd" | On Bottom Hrs | 17.1h | Cum. On Btm Hrs | 38.7h | | | |
| Serial No.: | 211010 | F.Rate | 21.09bpm | 4 | 18/32nd" | IADC Drill Hrs | 24.0h | Cum IADC Drill Hrs | 51.0h | | | |
| Bit Model | RSX 616 | SPP | 2950psi | | | Total Revs | 271 | Cum Total Revs | 602 | | | |
| Depth In | 1,525.0m | HSI | | | | ROP(avg) | 29.82 m/hr | ROP(avg) | 28.84 m/hr | | | |
| Depth Out | | TFA | 2.197 | | | | | | | | | |
| Bit Comment | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|-------------------|----------|-----------|-----------|-----------------|-------------|-----------------------|--------|--|--|--|--|--|
| BHA # 3 | | | | | | | | | | | | |
| Weight(Wet) | 40.00klb | Length | 268.4m | Torque(max) | 12000ft-lbs | D.C. (1) Ann Velocity | 256fpm | | | | | |
| Wt Below Jar(Wet) | 30.00klb | String | 310.00klb | Torque(Off.Btm) | 3000ft-lbs | D.C. (2) Ann Velocity | 384fpm | | | | | |
| | | Pick-Up | 300.00klb | Torque(On.Btm) | 7000ft-lbs | H.W.D.P. Ann Velocity | 176fpm | | | | | |
| | | Slack-Off | 310.00klb | | | D.P. Ann Velocity | 176fpm | | | | | |

BHA Run Description: Annular velocity based on 900gpm

BHA Run Comment:

| Equipment | Length | OD | ID | Serial # | Comment |
|---------------|---------|----------|---------|-----------|--|
| Bit | 0.25m | 12.250in | | 211010 | Reed Hycalog RSX 616M |
| Mud Motor | 8.58m | 9.625in | 6.135in | 963006 | 244mm(9 5/8") Sperrydrill Lobe 6/7 - 5.0 stg Motor |
| X/O | 1.22m | 9.438in | 2.875in | A639 | |
| Stab | 1.81m | 12.125in | 2.875in | 694776 | Non-mag integral blade string stab |
| MWD | 24.39m | 8.000in | 1.920in | | DIR/HCIM-EWR-DGR-CTN-SLD-ACAL-HOC. |
| 8in DC | 9.06m | 8.000in | 2.875in | 18600035 | |
| Stab | 2.10m | 12.125in | 2.875in | 47607 | Integral blade string stabilizer |
| 8in DC | 8.68m | 8.000in | 2.875in | 1860026 | |
| Drilling Jars | 9.31m | 8.188in | 3.063in | 11150D | Drilling jars used in surface hole section. |
| 8in DC | 8.81m | 8.000in | 2.875in | 18600031 | |
| X/O | 1.16m | 8.500in | 2.875in | MSO1930-2 | |
| 5in HWDP | 192.98m | 5.000in | 2.875in | | |

| Survey | | | | | | | | | |
|---------------|------------|------------|---------|------------|---------|---------|---------------|-----------|--|
| MD (m) | Incl (deg) | Azim (deg) | TVD (m) | Vsec (deg) | N-S (m) | E-W (m) | DLS (deg/30m) | Tool Type | |
| 2256.54 | 4.0 | 35.4 | 2255.59 | 20.1 | 21.0 | 0.4 | 0.2 | MWD | |
| 2342.60 | 4.2 | 35.5 | 2341.43 | 26.0 | 26.0 | 4.1 | 0.1 | MWD | |
| 2428.46 | 4.3 | 38.3 | 2427.05 | 32.0 | 31.1 | 7.9 | 0.0 | MWD | |
| 2543.24 | 4.1 | 40.5 | 2541.53 | 37.7 | 37.7 | 13.1 | 0.2 | MWD | |
| 2629.39 | 3.9 | 40.6 | 2627.47 | 42.2 | 42.2 | 17.0 | 0.1 | MWD | |
| 2686.60 | 3.8 | 41.5 | 2684.55 | 45.1 | 45.1 | 19.5 | 0.1 | MWD | |

| Bulk Stocks | | | | | |
|--------------------|------|-----|-------|--------|---------|
| Name | Unit | In | Used | Adjust | Balance |
| Barite Bulk | MT | 0 | 0 | 0 | 123.1 |
| Bentonite Bulk | MT | | 0 | 0 | 38.1 |
| Diesel | m3 | 0 | 14 | 0 | 392.0 |
| Fresh Water | m3 | 31 | 37.9 | 0 | 148.9 |
| Drill Water | m3 | 474 | 141.5 | 0 | 555.2 |
| Cement G | MT | 0 | 7.7 | 0 | -0.0 |
| Cement HT (Silica) | MT | | 0 | 0 | 0.0 |

| Pumps | | | | | | | | | | | | | | | | | |
|-------------------------|--------|------------|----------|---------|-----------|-----------|------------|----------------|------------|------------|-------------|------------|------------|-------------|------------|------------|-------------|
| Pump Data - Last 24 Hrs | | | | | | | | Slow Pump Data | | | | | | | | | |
| No. | Type | Liner (in) | MW (ppg) | Eff (%) | SPM (SPM) | SPP (psi) | Flow (bpm) | Depth (m) | SPM1 (SPM) | SPP1 (psi) | Flow1 (bpm) | SPM2 (SPM) | SPP2 (psi) | Flow2 (bpm) | SPM3 (SPM) | SPP3 (psi) | Flow3 (bpm) |
| 2 | 12P160 | 6.000 | 9.50 | 97 | 104 | 3360 | 10.54 | 2500.0 | 30 | 275 | 3.00 | 40 | 350 | 4.00 | 50 | 410 | 5.00 |
| 3 | 12P160 | 6.000 | 9.50 | 97 | 104 | 3360 | 10.54 | 2500.0 | 30 | 275 | 3.00 | 40 | 350 | 4.00 | 50 | 400 | 5.00 |

| Casing | | | | | | |
|---------|-----------------|------------------|--------------------------|---------------------------|---------------|--|
| OD (in) | Csg Shoe MD (m) | Csg Shoe TVD (m) | Csg Landing Depth MD (m) | Csg Landing Depth TVD (m) | LOT/FIT (ppg) | |
| 30 " | 650.30 | 650.30 | 604.40 | 604.40 | | |
| 13 3/8" | 1511.77 | 1511.77 | 603.50 | 603.50 | | |

| Personnel On Board | | |
|--|-----|------------|
| Company | Pax | Comment |
| DOGC | 44 | |
| DOGC | 3 | extra |
| ESS | 8 | |
| NEXUS | 5 | |
| FUGRO SURVEY LTD (ROV) | 3 | |
| DOWELL SCHLUMBERGER | 3 | |
| M-1 AUSTRALIA PTY LTD | 3 | |
| GEOSERVICES OVERSEAS S.A. | 6 | |
| HALLIBURTON AUSTRALIA PTY LTD - SPERRY SUN | 4 | Sperry Sun |
| Total | 79 | |

| HSE Summary | | | | |
|----------------|--------------|------------|--|---------|
| Events | Date of last | Days Since | Descr. | Remarks |
| Abandon Drill | 26 Dec 2005 | 0 Days | Held weekly abandon rig drill | |
| Fire Drill | 26 Dec 2005 | 0 Days | Held weekly fire drill | |
| JSA | 26 Dec 2005 | 0 Days | Deck = 7, Mech = 5, Drill = 2, Sub Sea =2,Welder = 2, Marine = 1 | |
| Safety Meeting | 26 Dec 2005 | 0 Days | Weekly safety meetings with all crew members. | |
| STOP Card | 26 Dec 2005 | 0 Days | Safe = 3, Un-safe = 14 | |

| Shakers, Volumes and Losses Data | | | | | | |
|----------------------------------|------------|-----------|--------|---------|---------|-----------|
| Available | 2,491bbl | Losses | 376bbl | Equip. | Descr. | Mesh Size |
| Active | 434.9bbl | Equipment | 376bbl | Shaker1 | VSM 100 | 4 x 120 |
| Hole | 1,666.1bbl | | | Shaker2 | VSM 100 | 4 x 120 |
| Reserve | 390bbl | | | Shaker3 | VSM 100 | 4 x 84 |
| | | | | Shaker4 | BEM650 | 4 x 120 |

| Marine | | | | | | | | | |
|------------------------|--------------|-------------|--------------|------------|--------------|------------------|-------------|---------|---------------|
| Weather on 26 Dec 2005 | | | | | | | Rig Support | | |
| Visibility | Wind Speed | Wind Dir. | Pressure | Air Temp. | Wave Height | Wave Dir. | Wave Period | Anchors | Tension (klb) |
| 10.0nm | 18kn | 225.0deg | 1,017.0mbar | 15C° | 1.0m | 225.0deg | 3s | 1 | 320.0 |
| Rig Dir. | Ris. Tension | VDL | Swell Height | Swell Dir. | Swell Period | Weather Comments | | | |
| 272.0deg | 420.00klb | 4,438.00klb | 2.5m | 225.0deg | 8s | | | | |
| Comments | | | | | | | 2 | 269.0 | |
| | | | | | | | 3 | 216.0 | |
| | | | | | | | 4 | 251.0 | |
| | | | | | | | 5 | 273.0 | |
| | | | | | | | 6 | 342.0 | |
| | | | | | | | 7 | 397.0 | |
| | | | | | | | 8 | 359.0 | |

| Vessel Name | Arrived (Date/Time) | Departed (Date/Time) | Status | Bulks | | | |
|-------------|---------------------|----------------------|---------------------|--------|-------|------|----------|
| Far Grip | | | At rig on stand by. | Item | Unit | Used | Quantity |
| | | | | Diesel | CuMtr | | 502 |

| | | | | Item | Unit | Used | Quantity |
|---|--|--|-------------------------|--------------------|-------|------|----------|
| | | | | Fresh Water | CuMtr | | 76 |
| | | | | Drill Water | CuMtr | | 50 |
| | | | | Cement G | Mt | | 80 |
| | | | | Cement HT (Silica) | Mt | | 54 |
| | | | | Barite Bulk | Mt | | 89 |
| Recieved 474m3 of drill water/Potable water | | | | | | | |
| Pacific Wrangler | | | Melbourne loading Cargo | Item | Unit | Used | Quantity |
| | | | | Diesel | CuMtr | | |
| | | | | Fresh Water | CuMtr | | |
| | | | | Drill Water | CuMtr | | 0 |
| | | | | Cement G | Mt | | 0 |
| | | | | Cement HT (Silica) | Mt | | 0 |
| | | | | Barite Bulk | Mt | | 0 |
| | | | | Bentonite Bulk | Mt | | 0 |