



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

WELL: EASTWING-1ST
PERMIT: PEP 168
RIG: ADS Rig 6

DATE: 30/05/08
REPORT No. DDR 35
D.F.S. 35

| MUD PROPERTIES | | ADDITIVES | SOLIDS CONTROL | | | SAFETY/BOP/DRILLS | | | | | | | | |
|-------------------------|-------------|-------------|-----------------------|------------|----------------------|------------------------------|----------------------------|-------------|------------------------|--------------------|------------------------|--|--------------------|--|
| DENSITY(SG) | 9.25 | Bio-2 | | gpm | uf | hrs | ACCIDENT FREE DAYS | 337 | | | | | | |
| VISCOSITY(Secs) | 43 | Gel-0 | DESILTER | | | 23 | LAST BOP DRILL | 26/5/08 | | | | | | |
| pH | 8.5 | Kcl-20 | DESANDER | | | | LAST FIRE DRILL | | | | | | | |
| PV/YP | 12/12 | CaCo3-0 | CENTRIFUGE 1 | | | | LAST H2S DRILL | | | | | | | |
| GELS 10/10 | 3/7 | Phpa-0 | CENTRIFUGE 2 | | | | LAST BOP TEST | | | | | | | |
| WL API (cc/30min) | 7.5 | Xan-0 | | | | | BOP TEST DUE | 30/5/08 | | | | | | |
| WL HTHP(cc/30min) | 0 | So/Su-0 | SHAKERS | 2 | | 23 | FORMATION DATA | | | | | | | |
| CAKE(mm) | 1 | Pac-R-0 | SCREENS | 4/52-4/154 | | | DEPTH | | | | | | | |
| SOLIDS % | 5.4 | Caustic-0 | PUMPS | 1 | 2 | 3 | TRIP GAS (%) | | | | | | | |
| SAND % | 0.25 | Rod Free-0 | TYPE | SB 700 | NP 600 | | CONN. GAS (%) | | | | | | | |
| CHLORIDES(mg/l) | 33,000 | Quickseal-0 | STROKE(in) | 16 | 8 | | B'GRD GAS (%) | | | | | | | |
| KCL % | 2.7 | Citric-0 | LINER(in) | 5.5 x 2.75 | 5.5 | | PORE PRESS (ppg) | | | | | | | |
| MBT | 12.5 | Salt- 48 | SPM | 64 | 0 | | ECD (ppg) | | | | | | | |
| TEMP °C | 43 c | SodaAsh-0 | GPM | 357 | 0 | | LITHOLOGY | | | | | | | |
| HOLE VOL(bbl) | 496 | Fracseal-0 | SPP ~ psi | 500 | 0 | | TIME ANALYSIS | | | | | | | |
| SURF VOL(bbl) | 430 | | AV-DP(m/min) | 164 | | | | HRS | | | | | | |
| LOSSES(bbl/hr) | | | AV-DC(m/min) | 247 | | | | CUM. | | | | | | |
| MUD Co | RMR | | SCR - spm | | | | 1. MOVE RIG | | | | | | | |
| MUD TYPE | KCL/PHPA | | SCR - spm | | | | 2. RIG UP | 27.0 | | | | | | |
| BIT DATA | | | BHA DETAILS | | BHA No. | | 3. DRILLING | 288.0 | | | | | | |
| BIT No. | 8 RR 2 | 9RR | TOOL | | OD (in) | Length (m) | 4. TRIP | 69.0 | | | | | | |
| SIZE (in) | 8.5 | 8.5 | SEC. BIT | | 8.½ | 0.24 | 5. WIPER TRIP | 11.5 | | | | | | |
| TYPE | Sec FS2565 | SECURITY | BIT SUB TOTCO RING | | 6.¼ | 0.91 | 6. SURVEY | 9.5 | | | | | | |
| IADC CODE | S 424 | | 61/4 DC | | 6 1/4 | 8.86 | 7. CIRC./COND | 18.5 | | | | | | |
| SERIAL No. | 5013339 T01 | | 9 X DC'S | | 61/4 | 81.12 | 8. HANDLE BHA | 41.0 | | | | | | |
| NOZZLES(mm) | 3/12-2/16 | 0-0-0 | BICO JAR | | 6 1/2 | 9.75 | 9. CASE/CEMENT | 13.0 | | | | | | |
| DEPTH IN (m) | 1549 | | 3 X DC'S | | 6 1/2 | 27.13 | 10. WELLHEAD | 1.5 | | | | | | |
| DEPTH OUT (m) | 2305 | | 4 X HWDP | | 6.25 X 4.25 | 36.13 | 11. BOPS/DIV | 31.5 | | | | | | |
| DRILLED (m. cum) | 300 | | GRADE | | | | 12. LOT | 1.0 | | | | | | |
| HOURS (cum.) | 52.5 | | 2-2-na-a-x-er -td | | | | 13. CORING | | | | | | | |
| AVGE ROP (m/hr) | 5.7 | | Wiper trip | | | | 14. LOGGING | 7.0 | | | | | | |
| WOB (mt) | 2-12 | | BHA LENGTH (m) | | | 164.14 | 15. REAM/WASH | 5.0 | | | | | | |
| RPM | 80-120 | | BHA WEIGHT (Klbf) | | | 38 | 16. FISH/STUCK | 94.0 | | | | | | |
| JET VEL (m/sec) | 148 | | STRING WEIGHT (Klbf) | | | 163 | 17. LOSS CIRC | | | | | | | |
| HHP @ BIT | 36 | | 22. WO WEATHER | | | | 18. KICK CONTROL | | | | | | | |
| SURVEYS: | | | DEPTH | | DEVIATION | | AZIMUTH | | TVD | | COMMENTS | | | |
| ST-19 | 2144 | 4 | 353 | 2,139 | SS final survey | | 23. WAIT -WOC | | 6.5 | | | | | |
| ST-14 | 1525 | 9.5 | 50 | 1524 | SS | | 24. ABD./SUSPEND | | | | | | | |
| ST-15 | 1609 | 9.5 | 55 | | SS | | 25. RIG SERVICE | | 6.5 | | | | | |
| ST-16 | 1762 | ~ | ~ | | Missrun | | 26. SLIP/CUT LINE | | 0.5 | | | | | |
| ST-17 | 1896 | 3.75 | 43 | | SS | | 27. OTHER recon mud | | 15.5 | | | | | |
| ST-18 | 2049 | 5.25 | 12 | | SS | | COMPLETION | | | | | | | |
| DRILLING TOOLS | | | SERIAL No. | | CUM. HOURS | | DRILLING DATA | | | TOTAL (HRS) | | | | |
| | | | | | | | DRAG - UP (Klbf) | | | 5-10 | | | | |
| | | | | | | | DRAG - DOWN (Klbf) | | | 5 | | | | |
| BICO JAR | | | DJ001 | | 139.5 | | TORQUE-On Bottom (Kft.lb) | | | n/a | | | | |
| MONEL | | | K779 | | 139.5 | | TORQUE-Off Bottom (Kft.lb) | | | n/a | | | | |
| USED S STAB | | | T 2264 | | 214.0 | | | | | | | | | |
| | | | | | | | | | | | | | | |
| WEATHER | | | WEATHER STATE | | RAINFALL (mm) | | TEMP.(°C) | | VISIBILITY (km) | | WIND SPEED(kts) | | OTHER | |
| | | | clear | | | | 3-15 | | clear | | 0-5 | | cool | |
| BULK STOCK | | | GEL(sx) | | BARITE(sx) | | CEMENT(sx) | | DRILLWATER | | POT WATER | | DIESEL FUEL | |
| | | | 84 | | 500 | | | | | | | | 3,000 | |
| PERSONNEL ON RIG | | | TRANSPORTATION | | | COMMENTS/REQUIREMENTS | | | | | | | | |
| OPERATOR | | | 2 | | | TRUCKS | | LOAD | | HOURS | | | | |
| DRILLING CONTRACTOR | | | 18 | | | | | | | | | | | |
| SERVICE COMPANYS | | | | | | | | | | | | | | |
| Mud Logging Crew | | | 3 | | | | | | | | | | | |
| Mud Engineer | | | 1 | | | | | | | | | | | |
| Cementers | | | 2 | | | | | | | | | | | |
| Electric Logging Crew | | | 3 | | | | | | | | | | | |
| DST Crew | | | | | | | | | | | | | | |
| OTHERS | | | | | | | | | | | | | | |
| TOTAL | | | 29 | | | | | | | | | | | |
| SUPERVISOR | | | L.Devattimo | | | ENGINEER | | GR | | RIG MANAGER | | | S.Kinnearly | |