



DAILY DRILLING REPORT

ESSENTIAL PETROLEUM EXPLORATION Pty Ltd

| | |
|------------------------|--------------------------|
| WELL: AYRFORD-1 | DATE: 17/04/08 |
| PERMIT: PEP 168 | REPORT No.: DR 11 |
| RIG: ADS Rig 6 | D.F.S.: 11 |

| MUD PROPERTIES | | ADDITIVES | SOLIDS CONTROL | | | SAFETY/BOP/DRILLS | | | | |
|----------------------------|--|-------------------|----------------------------|-------------------|-----------------------------|------------------------------|-----------------------|--------------------|-------------|--|
| DENSITY(SG) | 9.2 | Bio-0 | | gpm | uf | hrs | ACCIDENT FREE DAYS | 300 | | |
| VISCOSITY(Secs) | 37 | Gel- 0 | DESILTER | | | nil | LAST BOP DRILL | 16/4 | | |
| pH | 8.5 | KCL-0 | DESANDER | | | nil | LAST FIRE DRILL | | | |
| PV/YP | 13/10 | XAN-1 | CENTRIFUGE 1 | | | nil | LAST H2S DRILL | | | |
| GELS 10/10 | 1/2 | PHPA-0 | CENTRIFUGE 2 | | | nil | LAST BOP TEST | | | |
| WL API (cc/30min) | 6.5 | SO/SU- 0 | | | | | BOP TEST DUE | 26/4 | | |
| WL HTHP(cc/30min) | | PAC-R-0 | SHAKERS | 1 | 2 | | FORMATION DATA | | | |
| CAKE(mm) | 1 | CACO3-0 | SCREENS | 2X84-2X105 | 2X84-2X106 | | DEPTH | | | |
| SOLIDS % | 5.6 | | PUMPS | 1 | 2 | 3 | TRIP GAS (%) | | | |
| SAND % | .25 | | TYPE | SB 700 | NP 600 | | CONN. GAS (%) | | | |
| CHLORIDES(mg/l) | 10500 | | STROKE(in) | 16 | 8 | | B'GRD GAS (%) | | | |
| KCL % | 2 | | LINER(in) | 6.5 x 2.75 | 5.5 | | PORE PRESS (ppg) | | | |
| MBT | 7.5 | | SPM | 48 | 0 | | ECD (ppg) | | | |
| TEMP °C | 36 | | GPM | 384 | | | LITHOLOGY | | | |
| HOLE VOL(bbl) | 379 | | SPP(psi) | 837 | | | TIME ANALYSIS | | | |
| SURF VOL(bbl) | 290 | | AV-DP(m/min) | 199 | | | | HRS | CUM. | |
| LOSSES(bbl/hr) | | | AV-DC(m/min) | 312 | | | 1. MOVE RIG | | | |
| MUD Co | RMR | | SCR - spm | 20/203 | - | | 2. RIG UP | | 82.0 | |
| MUD TYPE | KCL/PHPA | | SCR - spm | 25/296 | - | | 3. DRILLING | | 119.0 | |
| BIT DATA | | | BHA DETAILS | | BHA No. | | | | | |
| BIT No. | 1 | 2 | TOOL | | OD (in) | Length (m) | | | | |
| SIZE (in) | 12 1/4 | 8.5 | | | Bit | 8 1/2 | 0.30 | | | |
| TYPE | JST 11X | FSX5652 | | | Motor | 7.94 | 0.83 | | | |
| IADC CODE | 26/04/1900 | S323 | | | S Stab | 1.54 | 9.38 | | | |
| SERIAL No. | L2337 | 11058760 | | | | | 0.00 | | | |
| NOZZLES(mm) | 3/16 1/14 | 3X13-2X14 | | | MDC | 8 | 9.49 | | | |
| DEPTH IN (m) | 7 | 561 | | | S Stab | 8 X 6 | 1.54 | | | |
| DEPTH OUT (m) | 561 | 1622 | | | 12 X 61/4 DC | 6 1/4 | 107.72 | | | |
| DRILLED (m. cum) | 554 | 1061 | | | BICO JARS | 61/2 | 9.59 | | | |
| HOURS (cum.) | 36 | 80.5 | | | 3 X 61/4 DC | 61/4 | 26.75 | | | |
| GRADE | 1-1-SS-A-E-1-NO-TD 4-WT-N-X-1/116-BT-T | | | | 4 x 4.5 HWD | 6 1/4 | 36.13 | | | |
| AVGE ROP (m/hr) | 15.3 | 13.0 | | | | | | | | |
| WOB (mt) | 10/20 | 2-7 | | | | | | | | |
| RPM | 100/120 | 140 | | | | | | | | |
| JET VEL (m/sec) | | 214 | | | BHA LENGTH (m) | | 201.73 | | | |
| HHP @ BIT | | 93 | | | BHA WEIGHT (Klbf) | | 48280 | | | |
| | | | | | STRING WEIGHT (Klbf) | | 105 | | | |
| SURVEYS: | DEPTH | DEVIATION | AZIMUTH | TVD | COMMENTS | | | | | |
| 7 | 900 | 1 | 159 MAG | | SS | | | | | |
| 8 | 1050 | 1 | 195 MAG | | SS | | | | | |
| 9 | 1,200 | 0 | 295 MAG | | SS | | | | | |
| 10 | 1,460 | 0 | 136 MAG | | SS | | | | | |
| 11 | 1,610 | 1 | 322 MAG | | SS | | | | | |
| 6 | 755 | 1 | 62 MAG | | SS | | | | | |
| DRILLING TOOLS | SERIAL No. | CUM. HOURS | DRILLING DATA | | | TOTAL (HRS) | 24.0 | 332.0 | | |
| 61/2 MONEL | 700891 | 101.5 | DRAG - UP (Klbf) | | 2 | | | | | |
| BICO JARS | DJ010 | 116.5 | DRAG - DOWN (Klbf) | | 2 | | | | | |
| 81/2 STAB | T2265 | 101.5 | TORQUE-On Bottom (Kft.lb) | | | | | N/R | | |
| 81/2 STAB | T2264 | 101.5 | TORQUE-Off Bottom (Kft.lb) | | | | | N/R | | |
| 61/2 MOTOR | F57 | 101.5 | | | | | | | | |
| WEATHER | WEATHER STATE | | RAINFALL (mm) | TEMP.(°C) | VISIBILITY (km) | WIND SPEED(ks) | OTHER | | | |
| | SHOWERS | | | 15-25 | good | 0-5 | COOL | | | |
| BULK STOCK | GEL(sx) | BARITE(sx) | CEMENT(sx) | DRILLWATER | | POT WATER | | DIESEL FUEL | | |
| | | | | BORE | | | | 10,000 | | |
| PERSONNEL ON RIG | | | TRANSPORTATION | | | COMMENTS/REQUIREMENTS | | | | |
| OPERATOR | 3 | | TRUCKS | LOAD | HOURS | | | | | |
| DRILLING CONTRACTOR | 18 | | | | | | | | | |
| SERVICE COMPANYS | | | | | | | | | | |
| | Mud Logging Crew | 3 | | | | | | | | |
| | Mud Engineer | 1 | | | | | | | | |
| | Cementers | 0 | | | | | | | | |
| | Electric Logging Crew | 3 | | | | | | | | |
| | DST Crew | | | | | | | | | |
| OTHERS | | | | | | | | | | |
| | TOTAL | 28 | | | | | | | | |
| SUPERVISOR | D Hair | | ENGINEER | GR | RIG MANAGER | S.Kinnealy | | | | |

