

ESSENTIAL PETROLEUM RESOURCES LTD

DAILY DRILLING REPORT

WELL: Pritchard-1
 PERMIT: PEP 151
 RIG: Hunt Rig 2

DATE: 27/3/06
 REPORT No. 1
 D.F.S. 1

DEPTH 2400 Hrs: 127.00m STATUS at 2400 Hrs: Drilling 308mm hole at 127.00m with Bit # 1
 TVD: 127.00m FORMATION: Dilwyn
 24 HR PROG.: 84 LAST CASING: 406mm at 40.26m rkb SHOE F.I.T.:
 HOLE SIZE: 308mm ELEV: 42.3m RT - GL: 38m MAASP:

| MUD PROPERTIES | | ADDITIVES | SOLIDS CONTROL | | | FORMATION DATA | | |
|-----------------------|-------------------|------------------|-----------------------------|------------|-----------------|--------------------|----------------------|-------------------|
| DENSITY(ppg) | 8.90 | Spud Mud | | Removal % | uf-ppg | hrs | DEPTH | |
| VISCOSITY(Sees) | 46 | | DESILTER | | | | TRIP GAS (%) | |
| pH | 8.5 | | DESANDER | | | | CONN. GAS (%) | |
| PV/YP | 8 / 14 | | CENTRIFUGE 1 | | | | B'GRD GAS (%) | |
| GELS 10/10/30 | 8 / 18 | | | | | | PORE PRESS (ppg) | |
| WL API (cc/30min) | | | | 1 | 2 | | ECD (ppg) | |
| WL HTHP(cc/30min) | | | SHAKERS | | | | MAX GAS (%) 102 | |
| CAKE(1/32") | | | SCREENS | | | | DRILLS / BOPS | |
| SOLIDS % | 4.00 | | PUMPS | 1 | 2 | | LAST BOP DRILL | |
| SAND % | | | TYPE | TSM 500 | EMSCO 550 | | LAST FIRE DRILL | |
| CHLORIDES(mg/l) | 800 | | STROKE(in) | | 16 | | LAST H2S DRILL | |
| KCL % | | | LINER(in) | | 5.5 | | LAST BOP TEST | |
| MBT | 18.00 | | SPM | | 48 | | BOP TEST DUE | |
| TEMP °F | | | GPM | | 255 | | ACCIDENT FREE DAYS | |
| HOLE VOL(bbl) | | | AV-DP(m/min) | | 47ft/min | | TIME ANALYSIS | |
| SURF VOL(bbl) | | | AV-DC(m/min) | | 73ft/min | | | HRS |
| LOSSES(bbl/hr) | | | SPP(psi) | | 200 | | | CUM. |
| MUD Co | | | SCR - spm | | | | 1. MOVE RIG | |
| MUD TYPE | | | SCR - spm | | | | 2. RIG UP | 15.0 |
| BIT DATA | | | BHA DETAILS | | BHA No. | 1 | 3. DRILLING | 5.0 |
| BIT No. | 1 | | TOOL | | OD (in) | Length (m) | 4. TRIP | |
| SIZE (in) | 12.25 | | Bit: | | 12.25 | 0.32 | 5. WIPER TRIP | |
| TYPE | CHIGMS | | N.B.S | | | 2.01 | 6. SURVEY | |
| IADC CODE | 1/01/2007 | | 8 " Drill collar | | | 9.25 | 7. CIRC./COND | |
| SERIAL No. | 218316 | | Stabilizer Spiral | | | 1.35 | 8. HANDLE BHA | 2.0 |
| NOZZLES(32's) | 18-181-18 | | 8 " Drill collar | | | 9.37 | 9. CSG/CEMENT | |
| DEPTH IN (m) | 43 | | Cross Over Sub | | | 0.6 | 10. WELLHEAD | |
| DEPTH OUT (m) | S.I.H | | 6.50" Drill Collar x 7 | | | 65.83 | 11. BOPS/DIV | |
| DRILLED (m. cum) | 84 | | JAR | | | 9.56 | 12. LOT/FIT | |
| HOURS (cum.) | 5 | | 6.50" Drill Collar x2 | | | 18.28 | 13. CORING | |
| GRADE | | | | | | | 14. LOGGING | |
| AVGE ROP (m/hr) | 16.0 | | | | | | 15. REAM/WASH | 2.0 |
| WOB (mt) | 3-4 | | | | | | 16. FISH/STUCK | |
| RPM | 110 | | | | | | 17. LOSS CIRC | |
| JET VEL (m/sec) | 110 | | | | | | 18. KICK CONTROL | |
| HHP @ BIT | 14 | | BHA LENGTH (m) | | | 116.57 | 19. SIDETRACK | |
| | | | BHA WEIGHT (Klbf) | | B/Jars (K) | K | 20. RIG REPAIR | |
| | | | STRING WEIGHT (Klbf) | | | k | 21. WELL TEST | |
| SURVEYS: | DEPTH | DEVIATION | AZIMUTH | TVD | COMMENTS | | | |
| | | | | | | | | 22. WO WEATHER |
| | | | | | | | | 23. WAIT - OTHER |
| | | | | | | | | 24. ABD./SUSP |
| | | | | | | | | 25. RIG SERVICE |
| | | | | | | | | 26. SLIP/CUT LINE |
| | | | | | | | | 27. OTHER |
| | | | | | | | | 28. HANDLE D.P. |
| DRILLING TOOLS | SERIAL No. | HOURS | DRILLING DATA | | | TOTAL (HRS) | 24.0 | 0.0 |
| N.B.S | | 5 | DRAG - UP (Klbf) | | nil | | | |
| String Stab | | 5 | DRAG - DOWN (Klbf) | | nil | | | |
| Jar | | 2 | TORQUE-On Bottom (ft.lb) | | nil | | | |
| | | | TORQUE-Off Bottom (ft.lb) | | nil | | | |

