

COMPANY LAKE OIL  
 RIG DRILLCORP Pty Ltd - 24  
 WELL SOUTH CARAMUT 1  
 FIELD WILDCAT  
 COUNTRY AUSTRALIA - VICTORIA  
 CO-ORDINATES 38° 00' 08.90" S 142° 28' 44.70" E

DEPTH LOGGED FROM 15m  
 TO 435m  
 DATE LOGGED FROM 14/10/90  
 TO 18/10/90

**HALLIBURTON**  
**Geodata Services**  
 AUSTRALIA Telephone: (08) 346 6592  
 No. AH1500100 Telex: AA87137

LITHOLOGY

|           |           |              |               |
|-----------|-----------|--------------|---------------|
| CLAYSTONE | MARL      | FOSSILS      | BASEMENT WASH |
| SILTSTONE | TUFF      | GLAUKONITE   | BASEMENT      |
| SANDSTONE | VOLCANICS | CARBONACEOUS |               |
| LIMESTONE | PYRITE    |              |               |

ABBREVIATIONS

|                            |                        |                               |
|----------------------------|------------------------|-------------------------------|
| Z NB New bit               | PP Pump pressure       | POH Pull out of hole          |
| NCB New core bit           | SPM Strokes per minute | RH Run in hole                |
| CS Casing shoe             | CR Circulated returns  | WOW Wait on weather           |
| SWC Sidewall cores         | NR No returns          | LAT Logged after trip         |
| EL Electric log            | TG Trip gas            | LCM Lost circulation material |
| RRB Rerun bit              | CG Connection gas      | DC Depth connection           |
| WOB Weight on bit          | DS Directional survey  | DST Drill stem test           |
| RPM Revolutions per minute | WT Wiper trip          |                               |

LOGGING ENGINEERS

|                |
|----------------|
| 1 T. BAILY     |
| 2 P. BEIER     |
| 3 P. PASALIDIS |
| 4              |

CHROMATOGRAPH CARLO ERBA 4200 FID  
 TOTAL GAS RECORDER CARLO ERBA 4200 FID  
 CO<sub>2</sub> RECORDER ADC-SS1

INSTRUMENTS CHECKED DAILY  
 24 HRS. LOGGING SERVICE

SCALE 1:500

|  |  |                             |
|--|--|-----------------------------|
| <b>MUD TYPE</b> Variable details specified in drilling rate column | <b>POROSITY</b> (Visible or inferred from texture) | <b>CASING AND HOLE DATA</b> |
| <b>MUD DATA</b>  | <b>MATRIX POROSITY</b>                             | <b>BIT SIZE</b>             |
| W Weight lb/gal  | slightly porous < 10%                              | 12 1/4"                     |
| V Mud gradient psi/1000 ft   | porous < 10%                                       | 8 1/2"                      |
| PV Funnel viscosity sec/qt   | 10-30%   | 91.4m                       |
| PL Plastic viscosity Cps   | Mixed porosity                                     | 4.35m                       |
| Y Yield point lbs/100 ft   | > 10%  |                             |
| GEL Gel strength lbs/100 ft  | Visibly interconnected vugs                        |                             |
| PH pH  | < 10%  |                             |
| F Filtrate API ml/30 minutes                                       |  |                             |

