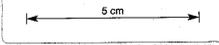


**Austral United Geophysical Pty. Ltd.**

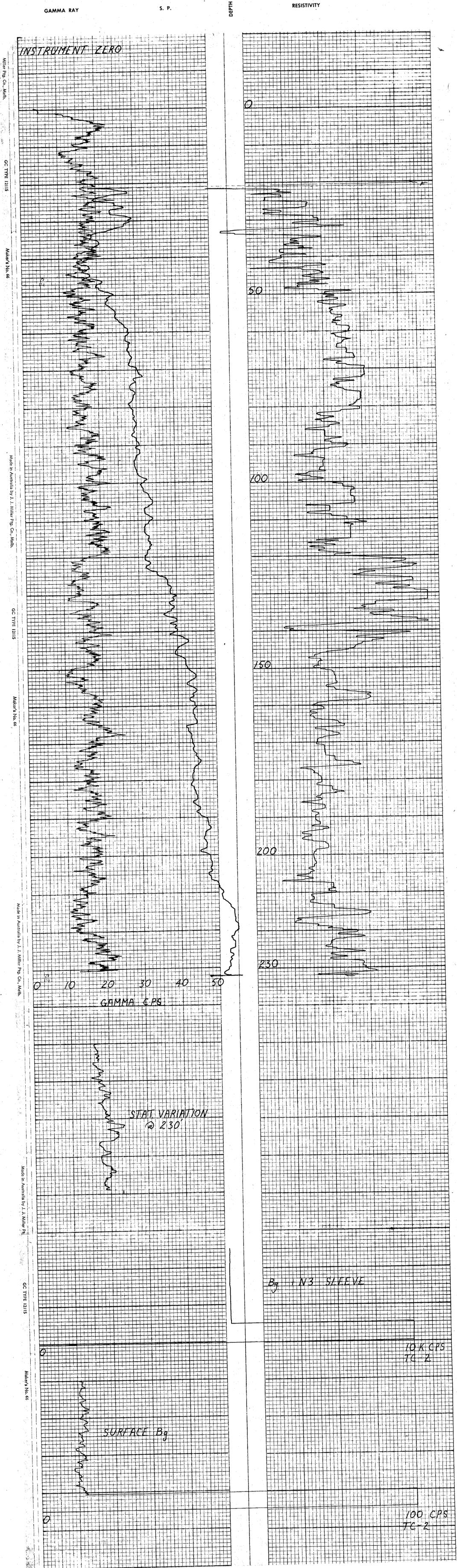
MINERALS DIVISION  
BRISBANE, QUEENSLAND

201 WICKHAM TERRACE  
42 RAILWAY TERRACE

Tel. (072) 21 4355  
47 2141



| LOCATION                       |                             | GAMMA RAY              |              |   |   |
|--------------------------------|-----------------------------|------------------------|--------------|---|---|
| LAUNCESTON BASIN               |                             | Initial Run            | 2            | 3 | 4 |
| Company GRITTY OIL DEVELOPMENT |                             | Logged Depth (ft)      | 0-230'       |   |   |
| Project                        |                             | Range                  | CPS-IN       |   |   |
| Hole No. 013                   | Section                     | Time Constant (sec)    | 2            |   |   |
| County                         | State TAS.                  | Paper Speed (ft/in)    | 10           |   |   |
| Weather COOL, WINDY            |                             | Logging Speed (ft/min) | 15           |   |   |
| HOLE DATA                      |                             | Bkgnd Count (cps)      | 10-12        |   |   |
| Surface Elev.                  | Date 10-12-72               | Detector No.           | 12889        |   |   |
| Time                           | T.D. 240' Driller W. SHALVY | Size (dial) (in)       | 1" x 3/4"    |   |   |
| Casing                         |                             | ELECTRIC               |              |   |   |
| Hole Size 4.5"                 |                             | Logged Depth (ft)      | 21-232'      |   |   |
| Bore Hole Medium WATER         | Fluid Level 21'             | Resist. Scale (ohm/in) | 10           |   |   |
| Start 9-12-72                  | Completed 10-12-72          | S.P. Scale (mv/in)     | 10           |   |   |
| Sampled Interval 0-232'        |                             | Paper Speed (ft/in)    | 10           |   |   |
| INTERPRETATION DATA            |                             | Logging Speed (ft/min) | 15           |   |   |
| Probe No. 302 E                | Type SCINT. Length 5'       | Probe Size (in)        | 1 3/8 x 1/2" |   |   |
| Standard (cps) 5200            |                             | Type (w/d)             | Single Point |   |   |
| K' Factor 0.000180             |                             | REMARKS                |              |   |   |
| Dead Time (usec) 10            |                             |                        |              |   |   |
| Rateometer No. 223             |                             |                        |              |   |   |
| Datum GROUND LEVEL             | Operator W. R. WOKALL       |                        |              |   |   |



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