

**COMPOSITE WELL LOG**  
**AMERADA PETROLEUM CORPORATION OF AUSTRALIA LTD.**  
**HALE RIVER No. 1**

OIL PERMIT 57, NORTHERN TERRITORY      4 MILE SHEET: SIMPSON DESERT SOUTH      WELL STATUS: DRY AND ABANDONED

LOCATION - Lat. 25°16' 50" Long. 136°43' 35"  
 ELEVATION - K.B. 411' A.S.L.  
 Ground 395'

Date Spudded 14 October, 1966  
 Date Drilling Stopped 10 November, 1966  
 Date Rig Stacked 11 November, 1966  
 Total Depth Driller 5683'

Drilled by Reading & Bates  
 Drilling Method Rotary  
 Logged by Welox  
 Cemented by Halliburton

**INDUCTION - ELECTRIC LOG**

| RUN NUMBER             | 1            | 2          | 3          | 4          | 5          |
|------------------------|--------------|------------|------------|------------|------------|
| DATE                   | 7-11-66      |            |            |            |            |
| POSITIVE LOGGED        | 4217'        |            |            |            |            |
| TOP LOGGED INTERVAL    | 1336'        |            |            |            |            |
| BOTTOM LOGGED INTERVAL | 5553'        |            |            |            |            |
| TOTAL DEPTH LOG        | 5558'        |            |            |            |            |
| TOTAL DEPTH DRILLER    | 5558'        |            |            |            |            |
| CASING SHOE - DRILLER  | 1340'        |            |            |            |            |
| CASING SHOE - LOG      | 1336'        |            |            |            |            |
| BIT SIZE               | 8 1/2"       |            |            |            |            |
| WOB                    | WATER BASE   | WATER BASE | WATER BASE | WATER BASE | WATER BASE |
| WEIGHT IN GRAIN        | 9.9          |            |            |            |            |
| VISCOSITY              | 55           |            |            |            |            |
| WATER LOSS IN 30 MIN.  | 7.0          |            |            |            |            |
| pH                     | 9.5          |            |            |            |            |
| RESISTIVITY            |              |            |            |            |            |
| m                      | 1.50 at 63°F | at 77°F    | at 77°F    | at 77°F    | at 77°F    |
| ft                     | 1.28 at 63°F | at 77°F    | at 77°F    | at 77°F    | at 77°F    |
| cm                     | 1.92 at 63°F | at 77°F    | at 77°F    | at 77°F    | at 77°F    |
| m                      | 0.50 at 82°F | at 77°F    | at 77°F    | at 77°F    | at 77°F    |
| RECORDED BY            | Blues        |            |            |            |            |

**OTHER LOGS RUN**  
 GAMMA RAY Surface to 5553'  
 ACOUSTIC 1340' to 5552'  
 FORKO-CALIPER 1340' to 5554'

Hole size From To  
 17 1/2" 0' 1345'  
 8 1/2" 1345' 5683'

**SYMBOLS**

Core and number  
 Cement plugs

**LITHOLOGIC REFERENCE**

|           |   |                                 |  |
|-----------|---|---------------------------------|--|
| Sandstone | M | Micaeous                        |  |
| Siltstone |   | Calcareous                      |  |
| Shale     | P | Pyritic                         |  |
| Coal      | S | Garnet                          |  |
| Limestone |   | Glaucouitic                     |  |
|           |   | Arkose and arkosic conglomerate |  |
|           |   | Basalt                          |  |
|           |   | Andesite                        |  |

**CASING**

| Size    | Wt. | Gr.  | Depth | Cement     |
|---------|-----|------|-------|------------|
| 13 1/2" | 58  | H 40 | 1342' | 1100 Sacks |

**CEMENT PLUGS**

| No. | Interval      | Sacks cement |
|-----|---------------|--------------|
| 1   | 4100' - 4250' | 75           |
| 2   | 1300' - 1400' | 90           |
| 3   | Surface       | 55           |

Lithology and Completion by:  
 R. D. Witten & T. R. Pearson

