



DUAL PROPAGATION  
RESISTIVITY,  
GAMMA RAY

Company: BHP PETROLEUM  
Field: CHAMPTON-1  
Country: AUSTRALIA  
State: VICTORIA  
County: OTWAY BASIN  
City: VIC/P30

Log Measured From: Above Perm. Datum  
Depth In: 1225m  
Depth Out: 1882m

Well: CHAMPTON-1  
MWD Start: 13-08-1995  
MWD End: 15-08-1995

Well Location:  
Lat: 38 deg 32' 33.54" S  
Long: 142 deg 23' 18.56" E

Other Services:  
Elev. KB: N/A  
Elev. DF: 25.00m  
See Bed/DI: 53.79m

MEASURED DEPTH  
1:1000  
FINAL PRINT  
DEPT. M.M. RES & MWD  
P6000540

Company Rep. H. ROBERTS  
Field Eng. G. BAYNES  
K. FERNANDES  
A. BANKS  
Job # 7AU 305

Bit Run No.	3	4
<b>Teleco Data</b>		
Run Number	1	2
DHA Number	DHB 8475-05	DHB 8475-05
Surface Gear	TR 1000	TR 1000
Tool OD / Type	8 1/4" / DPR	8 1/4" / DPR
<b>Run Data</b>		
Bit Diameter	12 1/4"	12 1/4"
Measured Depth In	1225m	1246m
Measured Depth Out	1217m	1882m
Top Interval Logged	1230m	1230m
Btm Interval Logged	1230m	1870m
Min/Max Inclination	1.7 deg	0.4/0.9 deg
Begin Log : Time	11:10 hrs	23:30 hrs
Begin Log : Date	13-08-1995	13-08-1995
End Log : Time	15:22 hrs	09:15 hrs
End Log : Date	13-08-1995	15-08-1995
Mud Data @ Depth	1225m	1670m
Mud Type	KCI Polymer	KCI Polymer
Density from-to	1.14 sg	1.18-1.2 sg
Mud Chlorides	36000 ppm	53000
DII/Water Ratio	0/100	0/100
Max Circ. Temp	36 deg C	58 deg C
Company Rep.	H. ROBERTS	H. ROBERTS
Field Eng.	G. BAYNES	K. FERNANDES

**Remarks**

LOG MNEMONICS:  
 GRAM - Natural Gamma Ray, API Calibrated (RWD)  
 TCDM - MWD Tool Gamma Ray, API Calibrated (RWD)  
 RPCM - Resistivity Phase Difference, Dielectric Corrected (RWD)  
 RACH - Resistivity Amplitude Ratio, Dielectric Corrected (RWD)  
 PDEM - Resistivity, Elapsed Time Since Drilled (RWD)  
 PDDM - Resistivity, Data Density Integrated  
 WBCS - Weight On Bit (Surface)  
 ROPS - Rate of Penetration (Surface)

LOG ENVIRONMENTAL CORRECTIONS:  
 Gamma Ray: Normalised for Tool Size, Borehole Size, Sensor Type. Correction has been made for mud potassium content.  
 Resistivity: Normalised for Tool Size, Borehole Size, Mud Resistivity, Temperature. Correction has been applied for Formation Dielectric Properties.

MWD Transmission Data Rate : x 4 Splitphase (0.8 bits/second)  
 Surface Logging System / Software: P-Series / 2.13  
 Surface Data Obtained from Baker Hughes INTEQ : Bit Depth, Rate of Penetration, Weight on Bit

**Remarks**

TOOL & DATA ACQUISITION INFORMATION

BHI Run Number	1	2
Bit to Btm of BHI Tool	13.88	10.62
Bit to Resistivity	14.40	11.14
Bit to Gamma Ray	15.78	12.52
Bit to Directional	18.44	15.18
Run Circulating Hours	6.50	35.00
MWD Memory Update Rate (Seconds)		
- Gamma Ray	5.00	5.00
- Resistivity	5.00	5.00

REMARKS:  
 Remark 1 - MWD services completed at 1882m.

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