

MEASURED DEPTH		FINAL PRINT	
1:1000			
Drilling Contractor: DOO PHIL DRILLING RIG BY: DOO			
Company Rep. G. HOWARD FIELD PERSONNEL A. FELL		Company Rep. G. BLUNT FIELD PERSONNEL M. SALE	
Job # ETAJ-248			
Bore Hole Record Hole Size From To 35" 85.0m 119.0m 25" 119.0m 156.0m 17 1/2" 156.0m 1538.0m 12 1/4" 1538.0m 2178.0m		Casing Record Casing Size From To 30" SEAF-ODR 280.0m 28" SEAF-ODR 456.0m 13 3/8" SEAF-ODR 1526.0m	
Well Name: BHP PETROLEUM MINERVA-2A Well ID: VIC7P31 County: OTHAY BASIN State: VICTORIA Country: AUSTRALIA		Well Location: 38 deg 43' 04.55" SOUTH 108 deg 42' 28.80" EAST Other Services:	
Log Measured From: R.T. 25.0m Above Para. Datum Depth In 1538m MWD Start: 27-08-93 Para. Datum Depth Out: 2170m MWD End: 11-10-93 Para. Datum		API Number: _____ Sect.: _____ Twp.: _____ Range: _____ MWD Start: _____ MWD End: _____ Elev. K8: _____ Elev. DF: _____ Elev. OF: _____ Sea Bed/CL: _____	



Bit Run No.	4	8	10	12	15
Eastman Teleco Date					
Run Number	1	2	3	4	5
DHA Number	B 8442-01	B 2261-02	B 2261-02	B 2261-02	B 2261-02
Surface Gear	1S TR2300	1S TR2300	1S TR2300	1S TR2300	1S TR2300
Tool OD / Type	8.25"/DPR	8.25"/DPR	8.25"/DPR	8.25"/DPR	8.25"/DPR
Run Data					
Bit Diameter	12.25"	12.25"	12.25"	12.25"	12.25"
Measured Depth In	1538.0m	1733.5m	1855.5m	1882.5m	1963.0m
Measured Depth Out	1728.0m	1839.0m	1855.5m	1915.5m	2170.0m
Top Interval Logged	1531.0m	1722.0m	1828.0m	1843.0m	1906.0m
Btm Interval Logged	1728.0m	1831.0m	1845.5m	1906.5m	1995.0m
Min/Max Inclination	2.2-3.2 deg	3.3-3.3deg	3.9 deg	3.9 deg	3.6/3.9 deg
Begin Log : Time	08:42 hrs	01:49 hrs	11:20 hrs	11:11 hrs	03:41 hrs
Begin Log : Date	04-10-93	07-10-93	08-10-93	09-10-93	11-10-93
End Log : Time	22:05 hrs	12:35 hrs	11:45 hrs	14:26 hrs	08:10 hrs
End Log : Date	04-10-93	07-10-93	08-10-93	09-10-93	11-10-93
Mud Data @ Depth	1650.0m	1800.0m	1855.0m	1900.0m	2000.0m
Mud Type	KCI/POLYMER	KCI/POLYMER	KCI/POLYMER	KCI/POLYMER	KCI/POLYMER
Density from-to	1.16g	1.17g	1.17g	1.17g	1.17g
Mud Chlorides	25000ppm	46000ppm	45000ppm	45000ppm	45000ppm
Oil/Water Ratio	0/100	0/100	0/100	0/100	0/100
Max Circ. Temp	31 C	48 C	52 C	49 C	55 C
Company Rep. Field Eng.	G. Howard A. Fell	G. Howard M. Sale	G. Blunt A. Fell	G. Blunt M. Sale	G. Blunt A. Fell

Remarks

LOG MNEMONICS

GRAM = Natural Gamma Ray, API Calibrated [RWD]
 TCDM = MWD Tool Temperature [RWD]
 RPCM = Resistivity Phase Difference, Borehole Corrected [RWD]
 RACH = Resistivity Amplitude Ratio, Borehole Corrected [RWD]
 RPCM = Resistivity Phase Difference, Dielectrically Corrected [RWD]
 RADM = Resistivity Amplitude Ratio, Dielectrically Corrected [RWD]
 PDEM = Resistivity, Elapsed Time Since Drilled [RWD]
 PDDM = Resistivity, Data Density Integrated
 WBCS = Weight On Bit [Surface]
 ROPS = Rate of Penetration [Surface]
 RPSM = Revolutions Per Minute [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. No correction has been applied for formation dielectric properties.

Remarks

TOOL & DATA ACQUISITION INFORMATION

TELECO RUN NUMBER	1	2	3	4	5
Sensor to bit distance (M)					
Bottom of Teleco Tool	4.360	8.170	8.170	8.170	8.170
Resistivity	4.880	8.794	8.794	8.794	8.794
Gamma Ray	6.250	10.100	10.100	10.100	10.100
Directional	8.925	12.745	12.745	12.745	12.745
Run Circulating Hours	27.00	13.00	1.75	5.00	16.00
RWD Memory Update Rate (Seconds)					
- Gamma Ray	5.00	5.00	5.00	5.00	5.00
- Resistivity	5.00	5.00	5.00	5.00	5.00
MWD Transmission Data Rate	i-x 4 Splitphase (0.8 bits/second)				
Surface Logging System / Software	i-M-Series / 1.33X i-P-Series 2.01 i-HPUTIL				
Surface data provided by	i-Bit Depth. i-Rate of penetration. i-Weight on bit. i-RPM				

Remarks

REMARKS

No data due to resistivity/gamma failure.

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