



Company: ESTIM
Field: VICTORIA
State: VICTORIA
Country: AUSTRALIA

Well Name: DHE 1644-3
Well ID: 1644-3
Well Location: 30 deg 09' 45.64" S 161 deg 01' 00" E
Well Direction: S161°E

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Run No.	1	2	3
Run Number	DHE 8439-1	DHE 1644-3	DHE 1644-3
DMA Number	15 TR2388	15 TR2388	15 TR2388
Surface Gear	8.25"/DPR	6.75"/DPR	6.75"/DPR
Tool OD / Type			

Run Data	1	2	3
Bit Diameter	12.25"	8.5"	8.5"
Measured Depth In	364m	1817m	1625m
Measured Depth Out	1817m	1625m	1875m
Top Interval Logged	364m	1817m	1615m
Site Interval Logged	1885.5m	1615m	1875m
Min/Max Inclination	0.4/1.3	0.1/0.7	0.4/1.1
Begin Log : Time	15:43 hrs	15:10 hrs	12:58 hrs
Begin Log : Date	28-02-1993	25-02-93	25-02-93
End Log : Time	09:55 hrs	02:45 hrs	05:55 hrs
End Log : Date	21-02-1993	25-02-93	25-02-93
Mud Date & Depth	858m	1288m	1706m
Mud Type	KCI PHPA	KCI PHPA	KCI PHPA
Density front-to	1.88	1.08	1.05-1.18
Mud Chlorides	23880	42800	48800
Oil/Water Rati	0/100	0/100	0/100
Max Circ. Temp	32 C	37 C	48 C
Company Rep.	G. Howard	J. Dickson	J. Dickson
Field Eng.	A. Fall	P. Prince	A. Fall

Remarks

LOG MNEMONICS:
 GRAY = Natural Gamma Ray, API Calibrated (RAD)
 GRAX = Natural Gamma Ray, API Calibrated (RAD)
 TCDM = Tool Temperature (RAD)
 TCDN = Tool Temperature (RAD)
 RPRC = Resistivity Phase Difference, Borehole Corrected (RAD)
 RPRC = Resistivity Amplitude Ratio, Borehole Corrected (RAD)
 RPRC = Resistivity Phase Difference, Dielectric Corrected (RAD)
 RPRC = Resistivity Amplitude Ratio, Dielectric Corrected (RAD)
 RPRC = Resistivity Ellipsoid Time Since Drilled (RAD)
 RPRC = Resistivity Data Density Integrated
 HESG = Height On Bit (Surface)
 RPHS = Rate of Penetration (Surface)
 RPHS = Revolutions Per Minute (Surface)

VERIFICATION MNEMONICS:
 POB = Phase Difference Base (VER)
 POB = Phase Difference Offset (VER)
 POB = Phase Difference Correction (VER)
 ATB = Attenuation Base (VER)
 ATB = Attenuation Offset (VER)
 ATC = Attenuation Correction (VER)
 TCDV = RTC Temperature (VER)

SUB ASSEMBLY MNEMONICS:
 DPR = Dual Propagation Resistivity
 DIR = Directional
 DET = Gamma Ray Detector

Remarks

SENSOR TO BIT DISTANCE (M)

Teleco Run Number	1	2	3
Bottom of Teleco Tool	9.47	3.22	2.43
Resistivity	18.86	6.28	6.45
Gamma Ray	11.53	5.51	7.75
Directional	14.17	8.24	7.55

TOOL INFORMATION

Total Length	12.38	12.83	12.83
Total Weight Kg	2480	1600	1600
Run Circulating Hrs	23.00	37.50	20.50

RIGSITE SENSOR VERIFICATION DATA:

Verification	Pre 1	Pre 2	Pre 3
DPR s/n	8881	6133	6133
PD cal. deg	9.815	7.474	7.474
PD sig deg	2.317	7.553	7.541
Delta +/- deg	-0.045	0.285	0.167
AR cal. dB	5.813	5.782	5.782
AR sig dB	0.367	0.119	0.284
Delta +/- dB	0.144	0.486	0.382
TEMP. Sensor C	20.5	14.8	01.3
SET s/n	413-5	393-2	393-2
Background cps	3.3	4.5	4.1

Remarks

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.

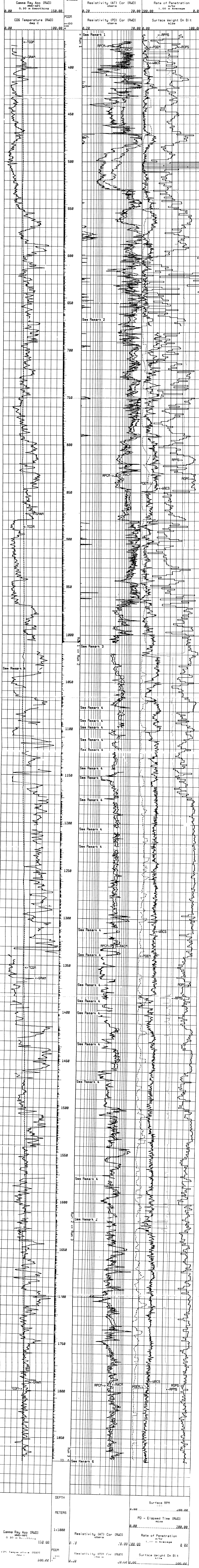
COMMENTS:
 RMD Transmission Data Rate: 4 Spillovers (60.8 bits/second)
 RMD Memory Update Rate - Gamma Ray: 1/8 Seconds
 RMD Memory Update Rate - Resistivity: 7/8 Seconds
 Surface Logging System / Software: Series 7 / 1.33X
 Gamma Ray Detector Type: Scintillator

Surface data provided by Exlog: Bit Depth, Date of penetration, Height on bit.

Remarks

REMARKS:
 Remark 1 - Severe pump interference caused obliteration of RMD logs 106.50-272m.
 Remark 2 - No surface data from Exlog.
 Remark 3 - No data due to change of hole size. Set 3 5/8" casing.
 Remark 4 - Erratic torque resulted in no RMD data.
 Remark 5 - Insufficient flow to power DPR TMD tool whilst changing shaker screens.
 Remark 6 - TD 1875m

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DEPTH	1800
METERS	1800
Gamma Ray App (RAD)	11800
COS Temperature (RAD)	180.00
Resistivity (AT) Cor (RAD)	0.22
Resistivity (PD) Cor (RAD)	20.00
Surface RPM	200.00
Rate of Penetration (RPHS)	0.00
Surface Height On Bit	100.00