PLEASE NOTE THAT THIS COPY WAS
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POPZF

DEPT. NAT. RES & ENV
PE600069

COMPANY:	**BHP PETROLEUM**
WELL:	**ERIC THE RED-1**
FIELD:	**WILDCAT**
RIG NAME:	**BYFORD** COUNTRY: **AUSTRALIA**

Rig Name: BYFORD
Field: WILDCAT
Location: SEISMIC LINE OH91-186 SHOT
Well: ERIC THE RED-1
Company: BHP PETROLEUM

Schlumberger

SUITE-2, RUN-2 1/500
DLL-MSFL-AS-GR-AMS-SP
(1871 - 1007 M)

LOCATION

SEISMIC LINE OH91-186 SHOT POINT 1188
OTWAY BASIN
VIC P31

Elev.:	K.B.	25.3 M	
	G.L.	-75 M	
	D.F.	25 M	
Permanent Datum:	MSL	Elev.:	0 M
Log Measured From:	RT	25.0 M	above Perm. Datum
Drilling Measured From:	RT		

STATE:	Well Deviation	Longitude	Latitude
VICTORIA		143 10' 51.45" E	39 0[illegible] 45.44 "S

Logging Date	26-FEB-1993					
Run Number	SUITE-2, RUN-2					
Depth Driller	1875 M					
Schlumberger Depth	1871 M					
Bottom Log Interval	1866 M					
Top Log Interval	1007 M					
Casing Driller Size @ Depth	9.625 IN	@	1007 M		@	
Casing Schlumberger	1007 M					
Bit Size	8.500 IN					
Type Fluid In Hole	KCL-PHPA					
MUD Density / Viscosity	1.1 G/C3	54 S				
Fluid Loss / PH	5.2 C3	9				
Source Of Sample	FLOW LINE					
RM @ Measured Temperature	0.114 OHMM	@	20 DEGC		@	
RMF @ Measured Temperature	0.104 OHMM	@	19 DEGC		@	
RMC @ Measured Temperature	0.132 OHMM	@	19 DEGC		@	
Source RMF / RMC	MEAS	MEAS				
RM @ BHT / RMF @ BHT	0.057 @ 62	0.050	@ 62	@		@
Maximum Recorded BHT	62 DEGC	62	62			
Circulation Stopped Time	26-FEB-1993		10:15			
Logger On Bottom Time	26-FEB-1993		15:30			
Unit Number Location	41	SALE (VEA)				
Recorded By	S.NAKANISHI / M.HELWIG					
Witnessed By	A.TABASSI / C.MENHENNITT					

	Run 1	Run 2	Run 3	Run 4
Logging Date				
Run Number				
Depth Driller				
Schlumberger Depth				
Bottom Log Interval				
Top Log Interval				
Casing Driller Size @ Depth	@		@	
Casing Schlumberger				
Bit Size				
Type Fluid In Hole				
MUD Density / Viscosity				
Fluid Loss / PH				
Source Of Sample				
RM @ Measured Temperature	@		@	
RMF @ Measured Temperature	@		@	
RMC @ Measured Temperature	@		@	
Source RMF / RMC				
RM @ BHT / RMF @ BHT	@	@	@	@
Maximum Recorded BHT				
Circulation Stopped Time				
Logger On Bottom Time				
Unit Number Location				
Recorded By				
Witnessed By				

ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO CLAUSE 4 OF OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

OTHER SERVICES FOR SUITE 2

DESCENT 1:	DLL MSFL-AS GR AMS	DESCENT 1:	
DESCENT 2:	LMS LDT CNL GR AMS	DESCENT 2:	
DESCENT 3:	CSI (VSP)	DESCENT 3:	
DESCENT 4:	CST GR	DESCENT 4:	
DESCENT 5:		DESCENT 5:	

REMARKS:

TOOL STRING: DLTE AH169 SRTC SDTC (ARRAY)-
SGTL-TCCB-AMSA BSP
STANDOFFS RUN AS SHOWN IN DIAGRAM.
HOLE FINDER RUN ON THE BOTTOM OF THE TOOL

KLC - 41,000 PPM
BARITE - 10.15 LBS/BARREL
CIRCULATED FOR 75 MINUTES ON BOTTOM AFTER
A 20 STAND SHORT TRIP.
THANK YOU FOR CALLING SCHLUMBERGER!!!

SERVICE ORDER #:	930226	SERVICE ORDER #:	
PROGRAM VERSION:	5B0-325	PROGRAM VERSION:	
FLUID LEVEL:		FLUID LEVEL:	

LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

SURFACE EQUIPMENT

LCM-AA 949
STM-C 626
GSR-U/Y
TCM-AB 1333

DOWNHOLE EQUIPMENT

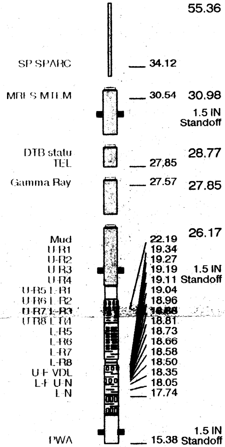
BSP
BRT-S 2

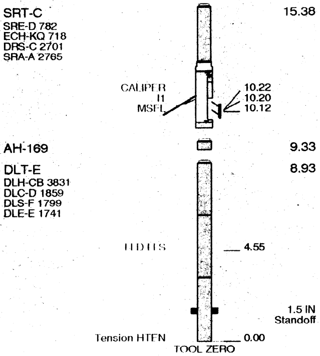
AMS-A
AMM-AA 1964
AME-AA 1962

TCC-B
ECH-KC 2472

SGT-L
SGH-K 379
SGC-SA 367

SDT-C
SDC-CB 513
ECH-KR 2237
ARRAY
SLR-CB 167
SLS-CB 298





MAXIMUM STRING DIAMETER 6.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Output DLIS Files

XMIT	DLTT .013	FIELD	26-FEB-1993 15:42	1875.3 M	975.8 M
DEFAULT	DLTT .013	FIELD	26-FEB-1993 15:42	1875.3 M	975.8 M

Integrated Hole/Cement Volume Summary

Hole Volume = 32.26 M3

Cement Volume = 10.71 M3 (assuming 7.00 IN casing O.D.)

Computed from 1875.0 M to 1007.1 M using data channel(s) CALS

OP System Version: 5B0-325

PIP SUMMARY

├ Integrated Hole Volume Minor Pip Every 0.1 M3
├ Integrated Hole Volume Major Pip Every 1.0 M3
┤ Integrated Cement Volume Minor Pip Every 0.1 M3
┤ Integrated Cement Volume Major Pip Every 1.0 M3

▶ Time Mark Every 60.0 S

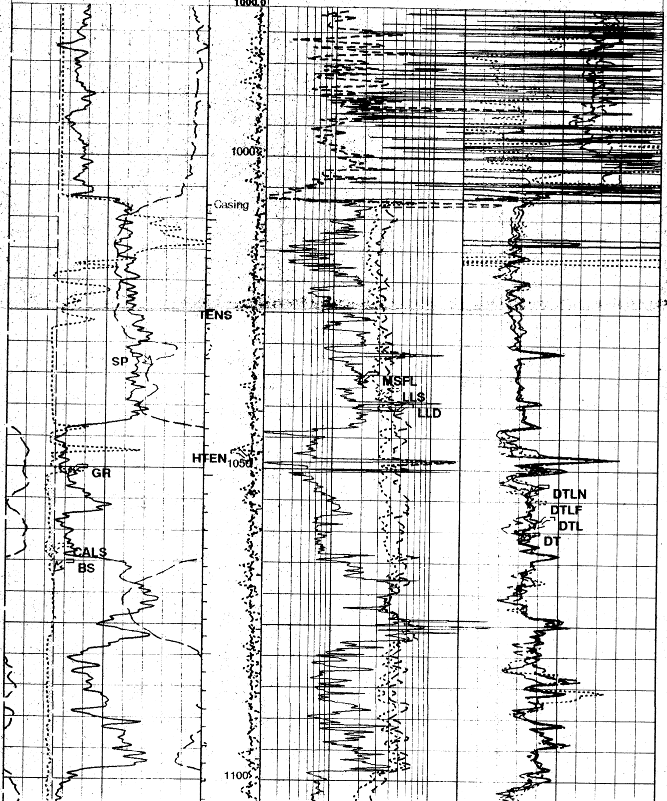
MAIN PASS

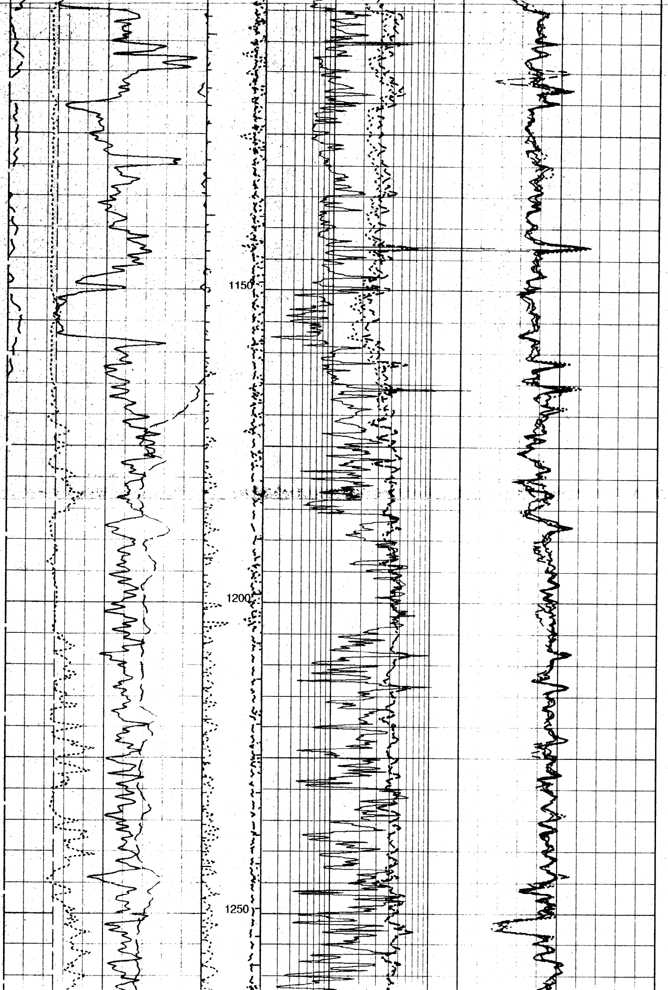
Mud Cake From CALS to BS		
Washout From BS to CALS		
SP (SP)		
-80.0	(MV)	20.0
Gamma Ray (GR)		
0.0	(GAPI)	150.0
Caliper (CALS)		
6.0	(IN)	16.0
Bit Size (BS)		
6.0	(IN)	16.0

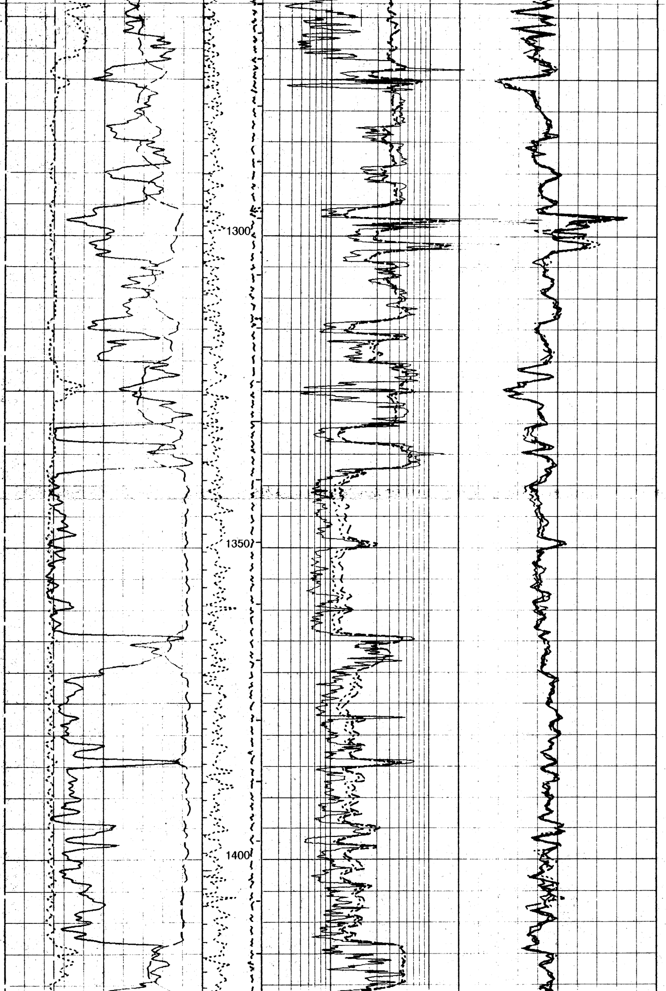
Head Tension (HTEN) (LBF)
0.0 1000.0

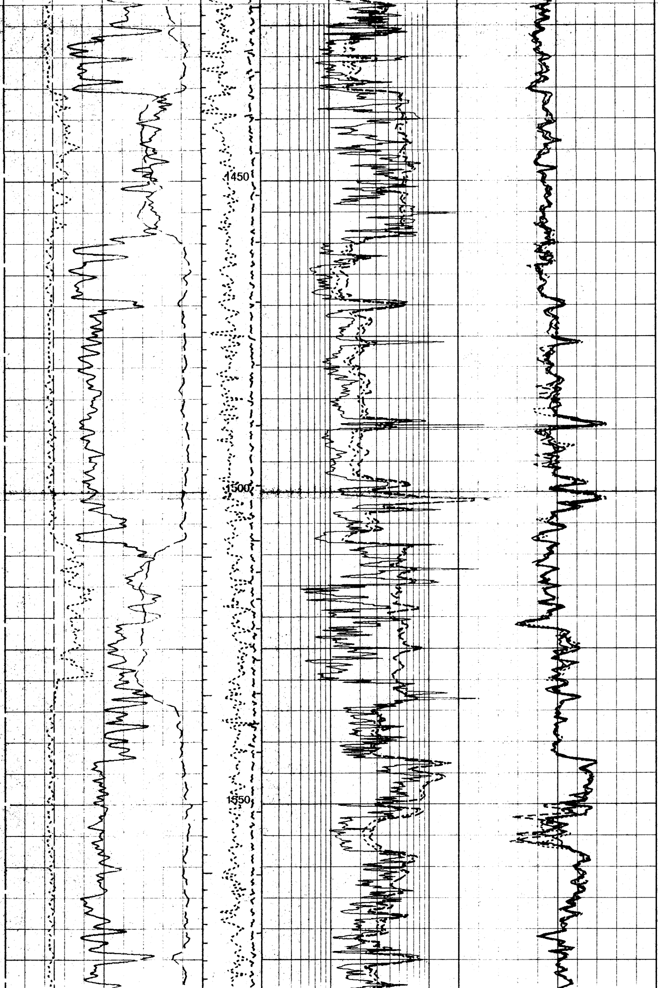
Tension (TENS) (LBF)
0.0 1000.0

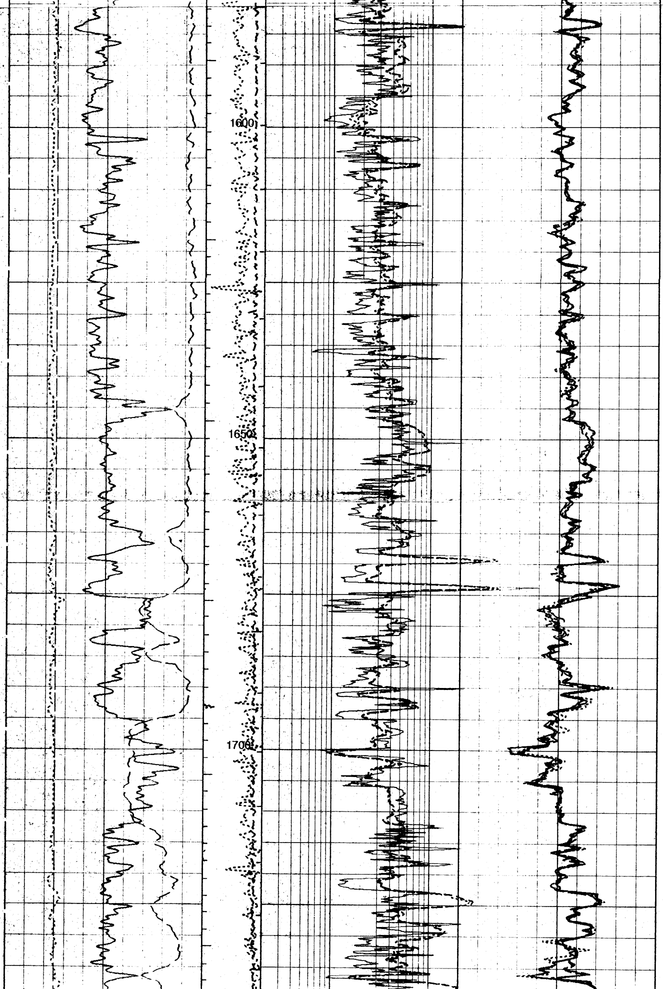
Delta T Long Spacing Near (DTLN)		
500.0	(US/M)	100.0
Delta-T Long Spacing Far (DTLF)		
500.0	(US/M)	100.0
Delta-T Long (DTL)		
500.0	(US/M)	100.0
Delta-T (DT)		
500.0	(US/M)	100.0
Micro SFL Resistivity (MSFL)		
0.2	(OHMM)	2000.0
Laterolog Shallow Resistivity (LLS)		
0.2	(OHMM)	2000.0
Laterolog Deep Resistivity (LLD)		
0.2	(OHMM)	2000.0

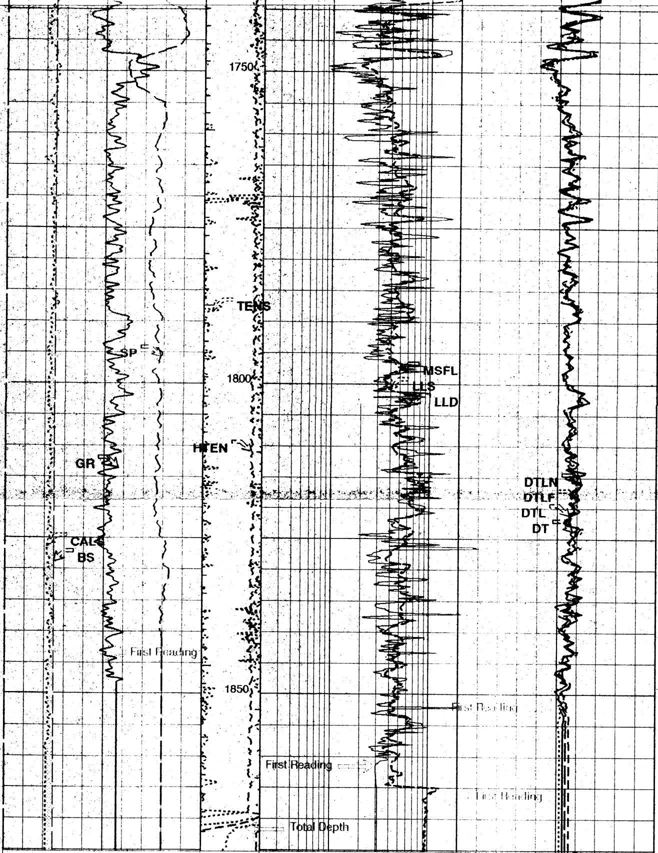












Bit Size (BS) 6.0 (IN) 16.0	Tension (TENS) (LBF) 0.0 1000.0	Laterolog Deep Resistivity (LLD) 0.2 (OHMM) 2000.0
Caliper (CALS) 6.0 (IN) 16.0	Head Tension (HTEN) (LBF)	Laterolog Shallow Resistivity (LLS) 0.2 (OHMM) 2000.0

0.0
1000.0

Gamma Ray (GR)
0.0 (GAPI) 150.0

Micro SFL Resistivity (MSFL)
0.2 (OHMM) 2000.0

SP (SP)
-80.0 (MV) 20.0

Delta-T (DT)
500.0 (US/M) 100.0

MAIN PASS

Washout
From BS to CALS

Delta-T Long (DTL)
500.0 (US/M) 100.0

Mud Cake
From CALS to BS

Delta-T Long Spacing Far (DTLF)
500.0 (US/M) 100.0

Delta-T Long Spacing Near (DTLN)
500.0 (US/M) 100.0

PIP SUMMARY

⊢ Integrated Hole Volume Minor Pip Every 0.1 M3
⊢ Integrated Hole Volume Major Pip Every 1.0 M3
⊣ Integrated Cement Volume Minor Pip Every 0.1 M3
⊣ Integrated Cement Volume Major Pip Every 1.0 M3

■ Time Mark Every 60.0 S

Format: DLT_D5 Vertical Scale: 1:500.0 Graphics File Created: 26-FEB-1993 15:42

OP System Version: 5B0-325

Output DLIS Files

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XMIT      DLTE  .013    FIELD     26-FEB-1993 15:42
DEFAULT   DLTE  .013    FIELD     26-FEB-1993 15:42
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Parameters

DLIS Name	Description	Value	
AGC	Automatic Gain Control	ON	
AMSG	Auxilliary Minimum Sliding Gate	180	US
BHS	Bore Hole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	80	DEGC
BILI	Bond Index Level for Zone Isolation	0.8	
BS	Bit Size	8.500	IN
BSAL	Borehole Salinity	41000.0	PPM
CBLG	CBL Gate Width	45	US
CDTS	C-Delta-T Shale	100	US/F
CREF	Current Reference	AUTO	
CSTR	Compressive Strength of Cement	0	KPA
DDE0	Digitizing Delay 0	0	US
DDEL	Digitizing Delay	0	US
DDMG	Downhole Differential Multi-Gain	10	
DETE	Detection	E2	
DPPM	Density Porosity Processing Mode	STAN	
DPRF	DEEP REFERENCE POWER	550	NW
DSI0	Digitizer Sample Interval 0	10	US
DSIN	Digitizer Sample Interval	DSI0	
DTCM	Delta-T Computation Mode	FULL	
DTF	Delta-T Fluid	189	US/F
DTM	Delta-T Matrix	56	US/F
DWC0	Digitizer Word Count 0	500	
DWCO	Digitizer Word Count	500	
EDMD	Effective Distance Mud	6	IN
FCF	CBL Fluid Compensation Factor	1	
GAI	Manual Gain	40	
GCSE	Generalized Caliper Selection	CALIPER_CALS	
GOBO	Good Bond	2	MV
GRSE	Generalized Mud Resistivity Selection	AMS_RESIST	
GTSE	Generalized Temperature Selection	AMS_TEMP	
ITMD	Intrinsic Time Mud	0	US
ITTS	Integrated Transit Time Source	DTL	
KFAC	K FACTOR	SOND	
LLOO	LATEROLOG LOOP	BOTH	
MAGC	Mud AGC	ON	
MATR	Rock Matrix Type	LIMESTONE	
MCI	Minimum Cemented Interval	3.048	M
MGAI	Maximum Gain	2000	
MMOD	Mud Firing Mode	OFF	
MMSG	Mud Minimum Sliding Gate	80	US
MODE	Firing Mode	DDBH	
MSA	Minimum Sonic Amplitude	0	MV
MSGA	Mud Sliding Gate	ON	
MSGL	Mud Sliding Gate Length	35	US
MSGW	Mud Sliding Gate Width	20	US
MUDG	Mud Manual Gain	20	
NMSG	Near Minimum Sliding Gate	180	US
OMR	Origin of Mud Resistivity	AMS	
PLRM	POWER LOOP REFERENCE MODE	DEEP	

RATE	Firing Rate	R15	
RMOD	Receiver Mode	AUTO	
RMUD	Resistivity of Mud Sample	1	OHMM
RTCO	RTCO - Rt Invasion Correction	YES	
RW	Resistivity of Connate Water	1.0000	OHMM
SFAF	Sonic Formation Attenuation Factor	0	DB/M
SGAD	Sliding Gate	ON	
SGDT	Sliding Gate Delta-T	50	US/F
SGW	Sliding Gate Width	80	US
SHT	Surface Hole Temperature	18	DEGC
SLEV	Signal Level for AGC	5000	MV
SPFS	Sonic Porosity Formula	RAYMER HUNT	
SPNV	SP Next Value	0	MV
SPRF	SHALLOW REFERENCE POWER	550	NW
SPSO	Sonic Porosity Source	DTL	
SPT	SRT Pad Type	STANDARD	
T0CA	T0 Correction	ON	
TD	Total Depth	1875	M
TLCK	TLC Kit	OFF	
TSIG	Test Signal	OFF	
TWS	Temperature of Connate Water Sample	37.8	DEGC
VDLG	VDL Manual Gain	40	
VDLM	VDL Firing Mode	NONE	
WAGC	Waveform AGC	ON	
WGAI	Waveform Manual Gain	20	
WGDT	Waveform Gain Delta-T	240	US/F
WGIN	Waveform Gain Interval	4800	US
WMOD	Waveform Firing Mode	NONE	

COMPANY:	BHP PETROLEUM	BOTTOM LOG INTERVAL	1866 M
		SCHLUMBERGER DEPTH	1871 M
WELL:	ERIC THE RED-1	DEPTH DRILLER	1875 M
FIELD:	WILDCAT	KELLY BUSHING	25.3 M
RIG NAME:	BYFORD	DRILL FLOOR	25 M
COUNTRY:	AUSTRALIA	GROUND LEVEL	-75 M

Schlumberger

SUITE-2, RUN-2 1/500
DLL-MSFL-AS-GR-AMS-SP
(1871 - 1007 M)