



## DUAL LATEROLOG

### MICRO LATEROLOG - SONIC

1:200

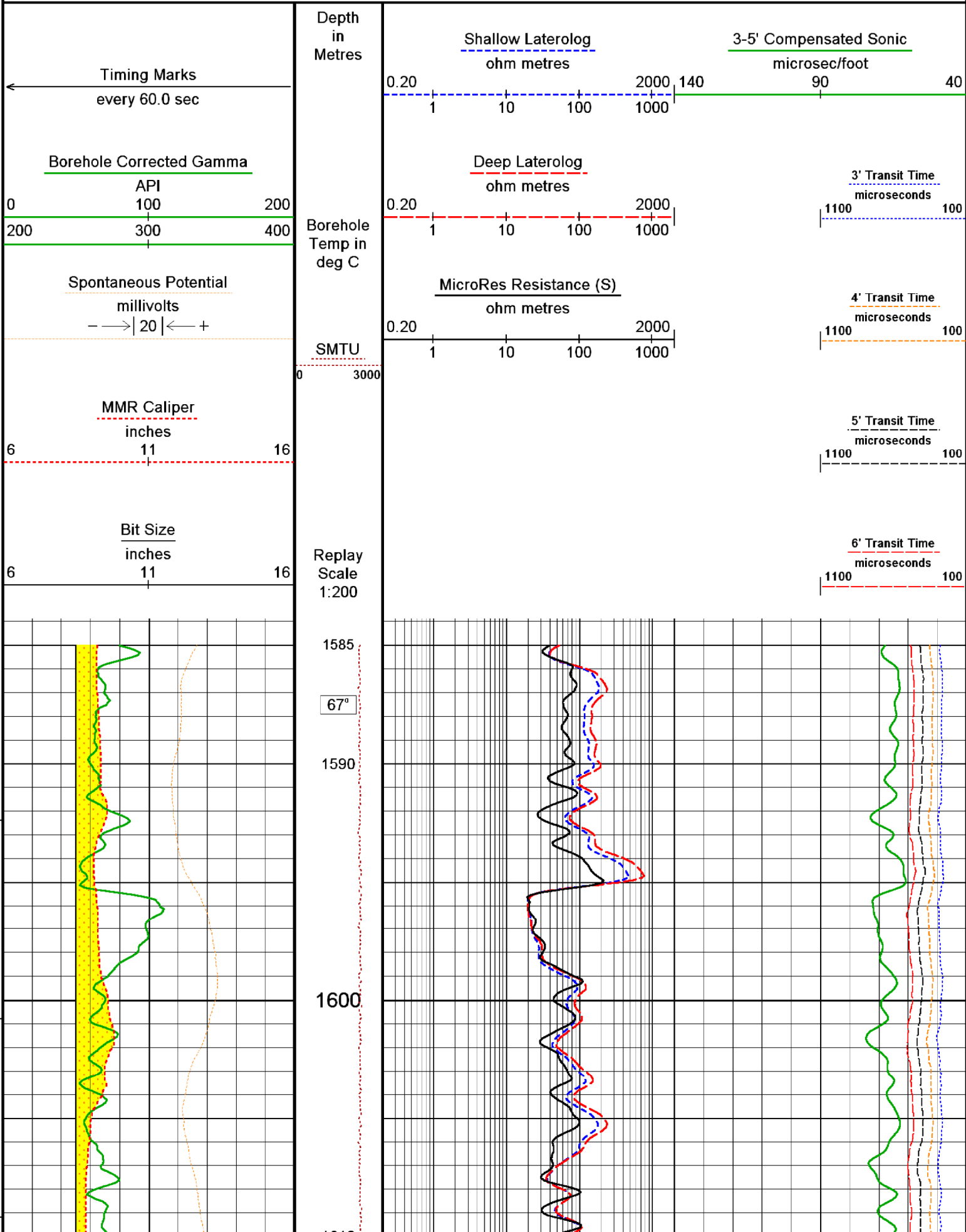
COMPANY	KAROON GAS PTY. LTD.		
WELL	MEGASCOLIDES-1 RE ST1		
FIELD	WILDCAT		
PROVINCE/COUNTY	VICTORIA		
COUNTRY/STATE	AUSTRALIA		
LOCATION	145° , 52', 55.443"E, -38° , 13', 52.064"S <b>FINAL PRINT</b>		
LSD	SEC	TWP	RGE
API Number			Other Services
Permit Number PEP162			FORMATION TESTER
Permanent Datum M.S.L			TEMPERATURE LOG
Log Measured From R.T. @ 125.2M above Permanent Datum			
Drilling Measured From R.T.			
Date	27-DEC-2006		
Run Number	TWO		
Depth Driller	1980.00	metres	
Depth Logger	1974.55	metres	
First Reading	1973.70	metres	
Last Reading	1585.00	metres	
Casing Driller	504.00	metres	
Casing Logger			
Bit Size	8.50	inches	
Hole Fluid Type	KCL POLYMER		
Density / Viscosity	1.08 g/c3	20.00 CP	
PH / Fluid Loss	9.80	6.40 ml/30Min	
Sample Source	FLOWLINE		
Rm @ Measured Temp	0.269 @ 25.0	ohm-m	
Rmf @ Measured Temp	0.241 @ 25.0	ohm-m	
Rmc @ Measured Temp	0.296 @ 25.0	ohm-m	
Source Rmf / Rmc	FILTER	PRESS	
Rm @ BHT	0.127 @ 77.0	ohm-m	
Time Since Circulation	10.5 HRS		
Max Recorded Temp	77.00	deg C	
Equipment Name	SCOMBO / MFT		
Equipment / Base	2	SALE	
Recorded By	E. MANN		
Witnessed By	D. HORNER		
Circ. Stop	1700 26/12		

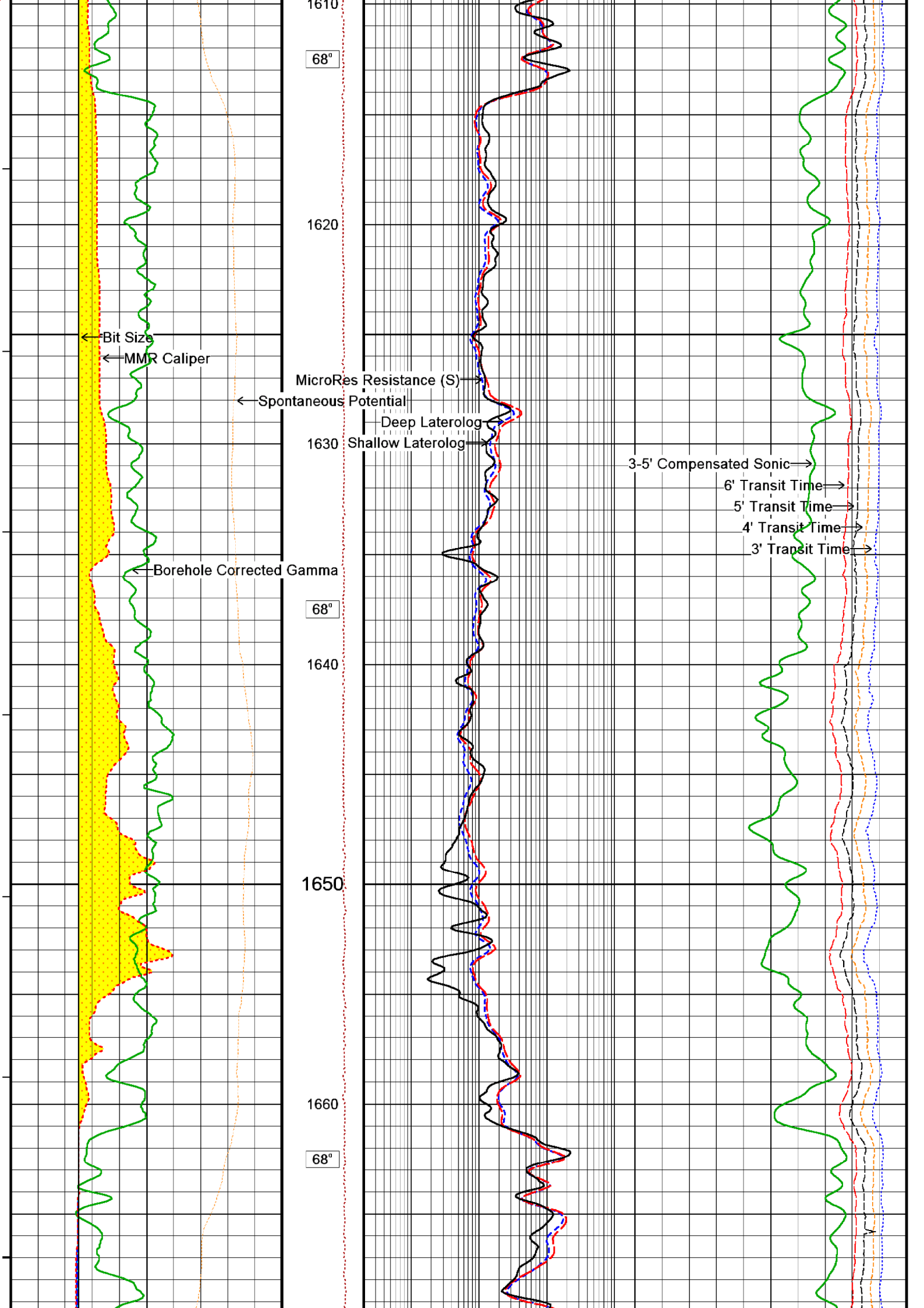
BOREHOLE RECORD				Last Edited: 4-JAN-2007 09:07
Bit Size inches	Depth From metres		Depth To metres	
8.500	504.00		1980.00	
CASING RECORD				
Type	Size inches	Depth From metres	Shoe Depth metres	Weight pounds/ft
SURFACE	9.625	0.00	504.00	36.00

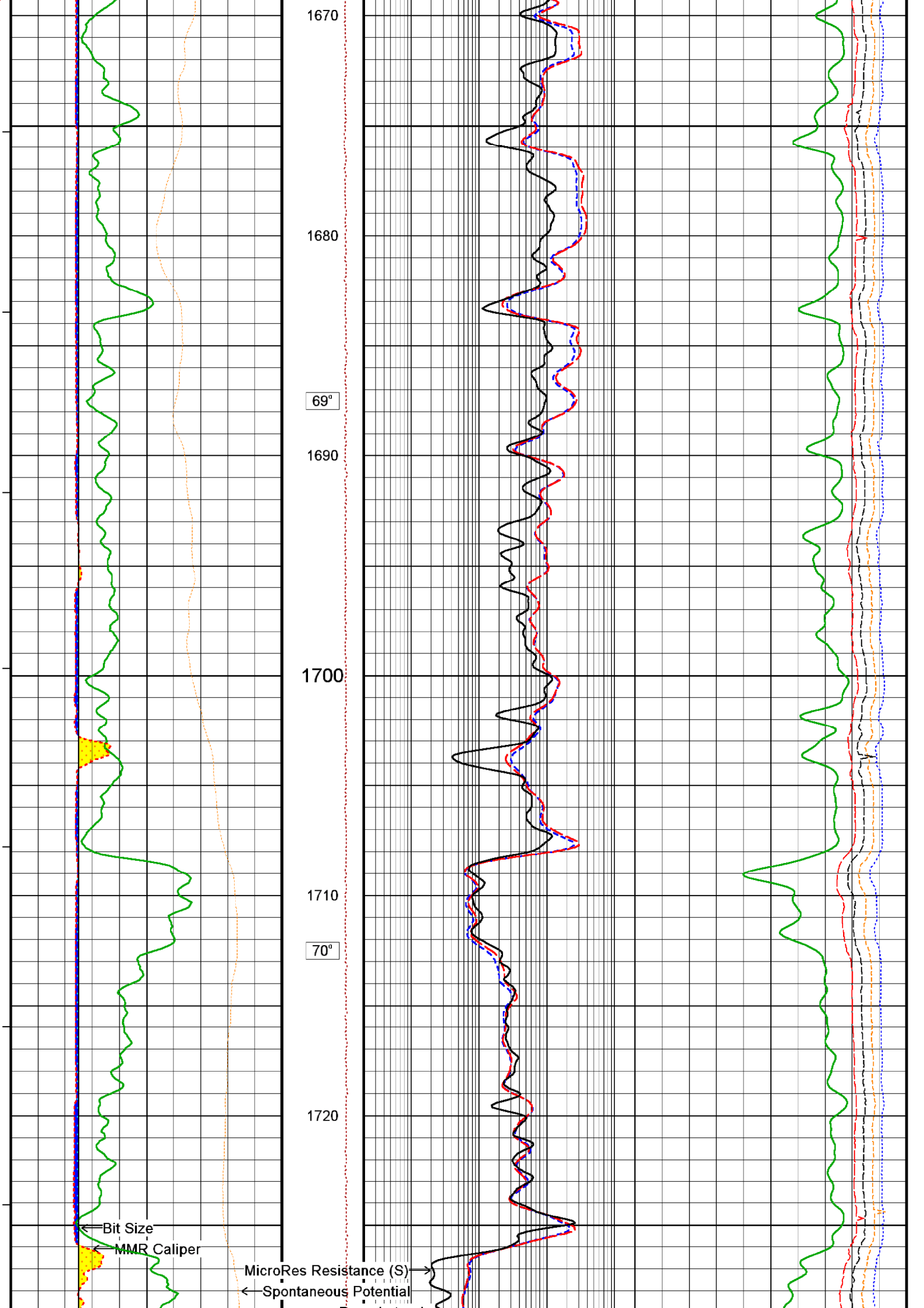
REMARKS
DEPTH CORRELATED WITH SCHLUMBERGER LOG RUN ONE, RECORDED ON 18 DECEMBER 2004.
1) SOFTWARE ISSUE: JUN 17, 2004.
2) CUSTOMER SCALES AND INTERVALS LOGGED.
3) HFS, MMR, MLE, MUG, MSS, MPD, MDN, MCG, MBE, MBE RAN IN COMBINATION.
4) HARDWARE:
MMR - 2 x 2" STANDOFFS
MUG- 1 x 2" STANDOFF
MSS - 2 x 1", 1 x 2" STANDOFFS
MDN - DUAL BOWSPRING
MBE - 1 x 1" STANDOFF
MBE - 1 x 1" STANDOFF
5) MPD CORRECTED FOR BOREHOLE SIZE AND MUD DENSITY.
6) MDN CORRECTED FOR BOREHOLE SIZE, MUD DENSITY, AND SALINITY.
7) SERVICE ORDER: 3052
8) RIG: CENTURY RESOURCES #11.
9) UNITJ FACTOR = 0.8441.
10) PULLED 800 LB OVERPULL ON REPEAT PASS AT 1855M. CLIENT ADVISED TO RIH AND LOG MAIN PASS.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or

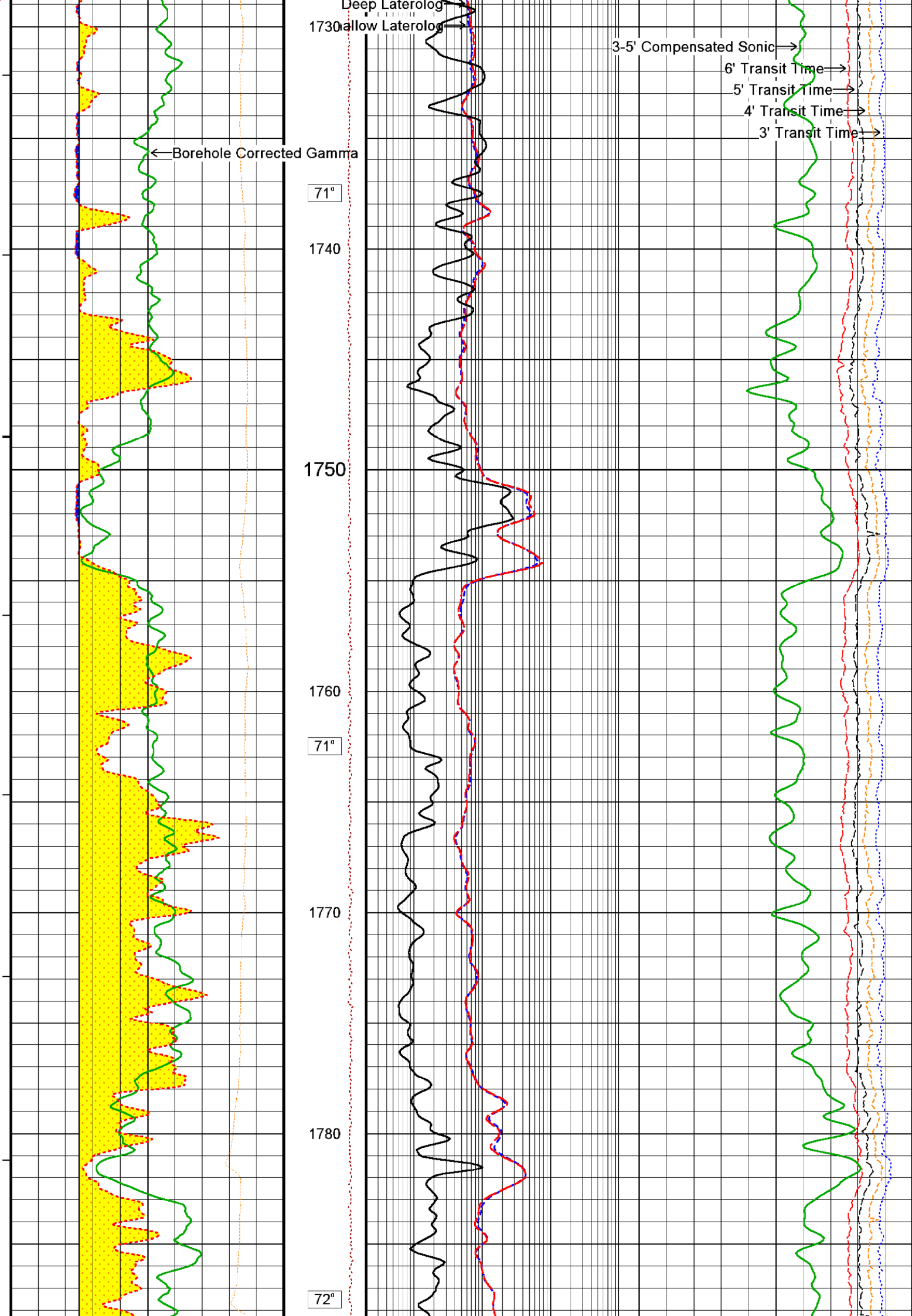
correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

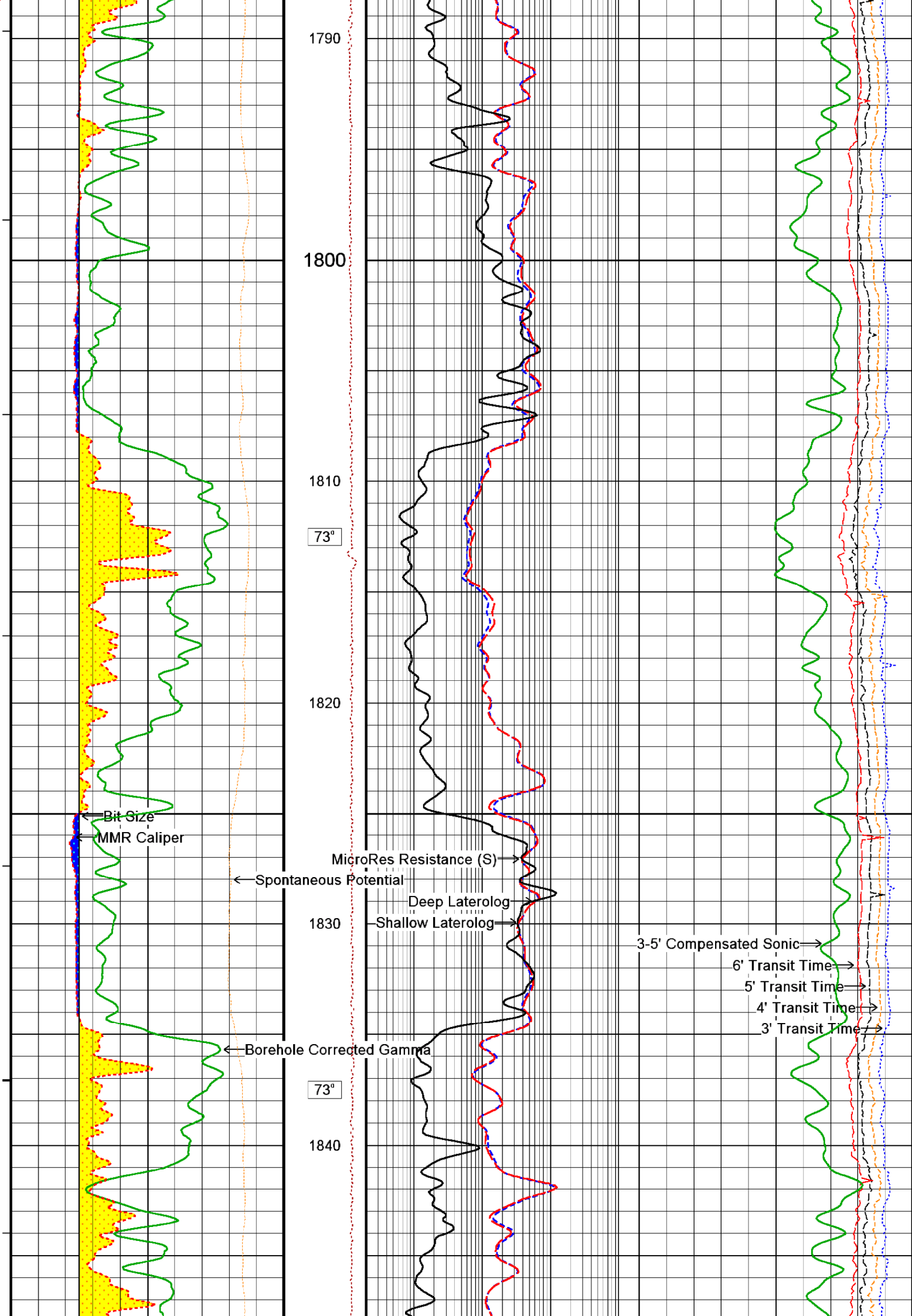


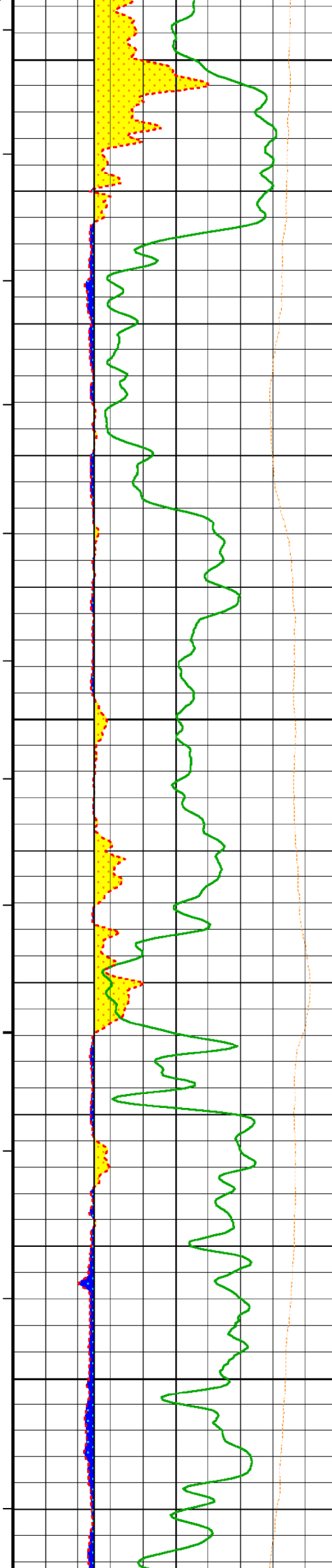












1850

1860

75°

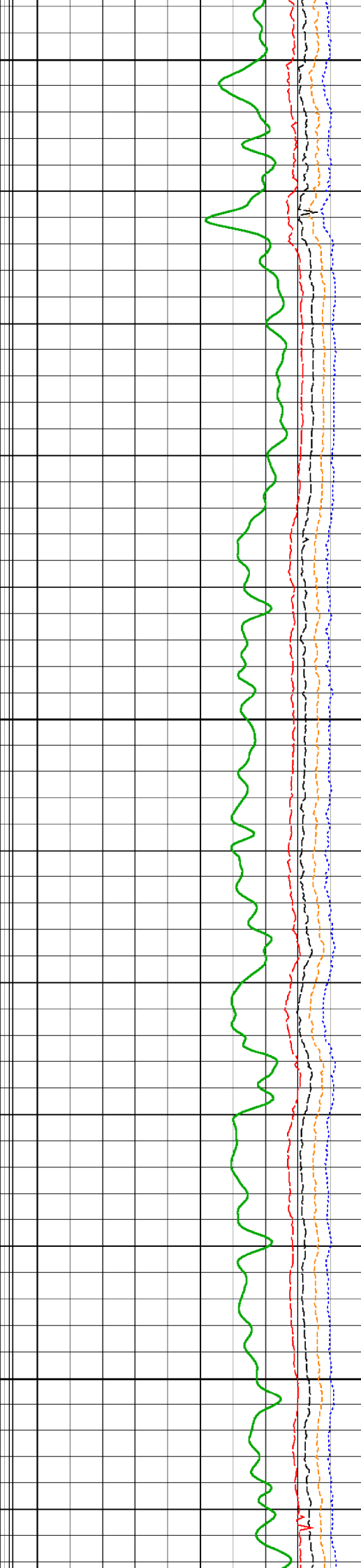
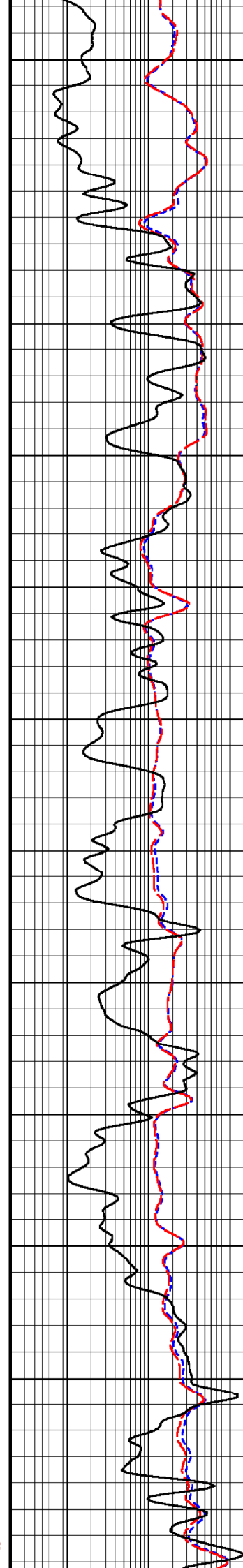
1870

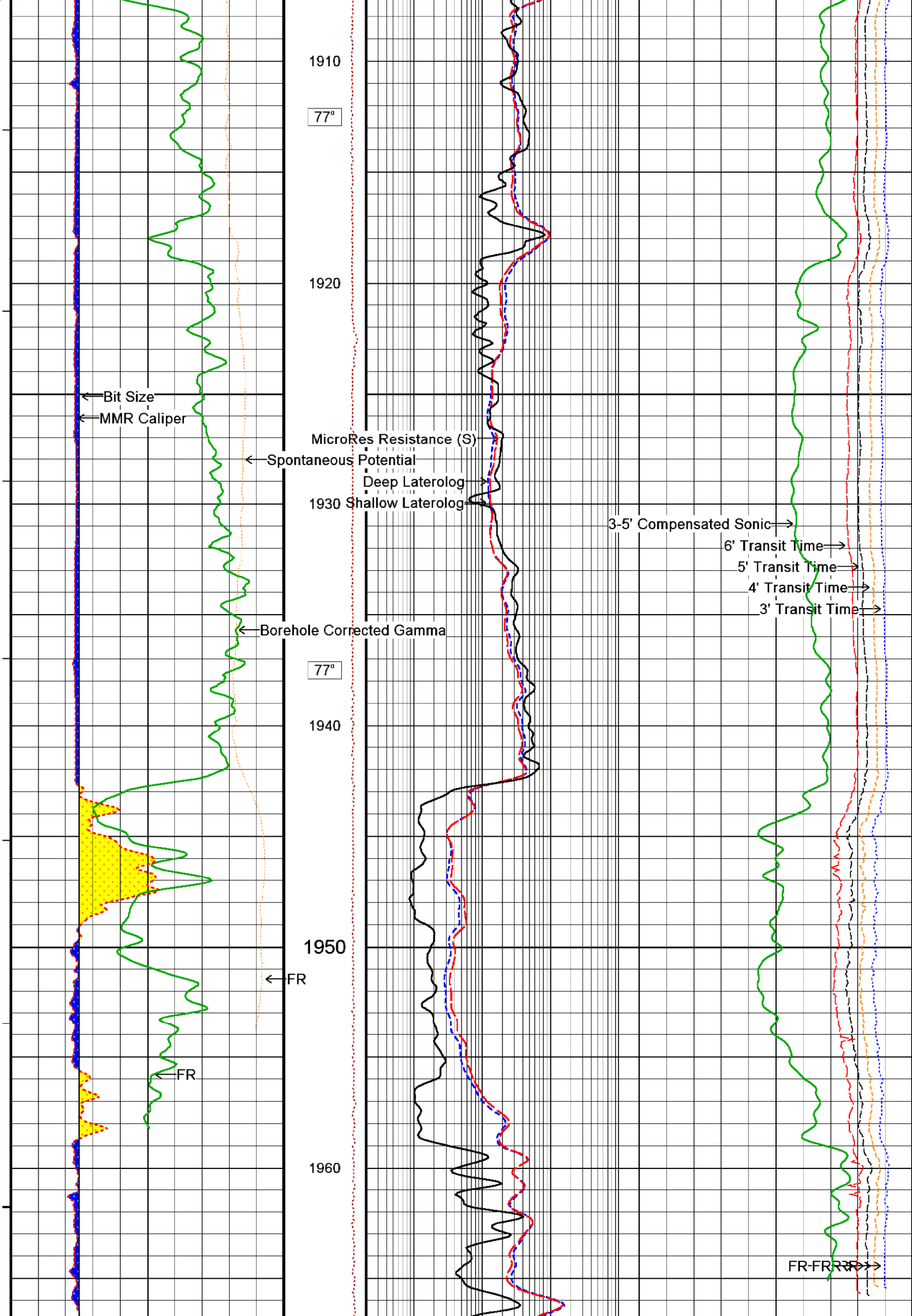
1880

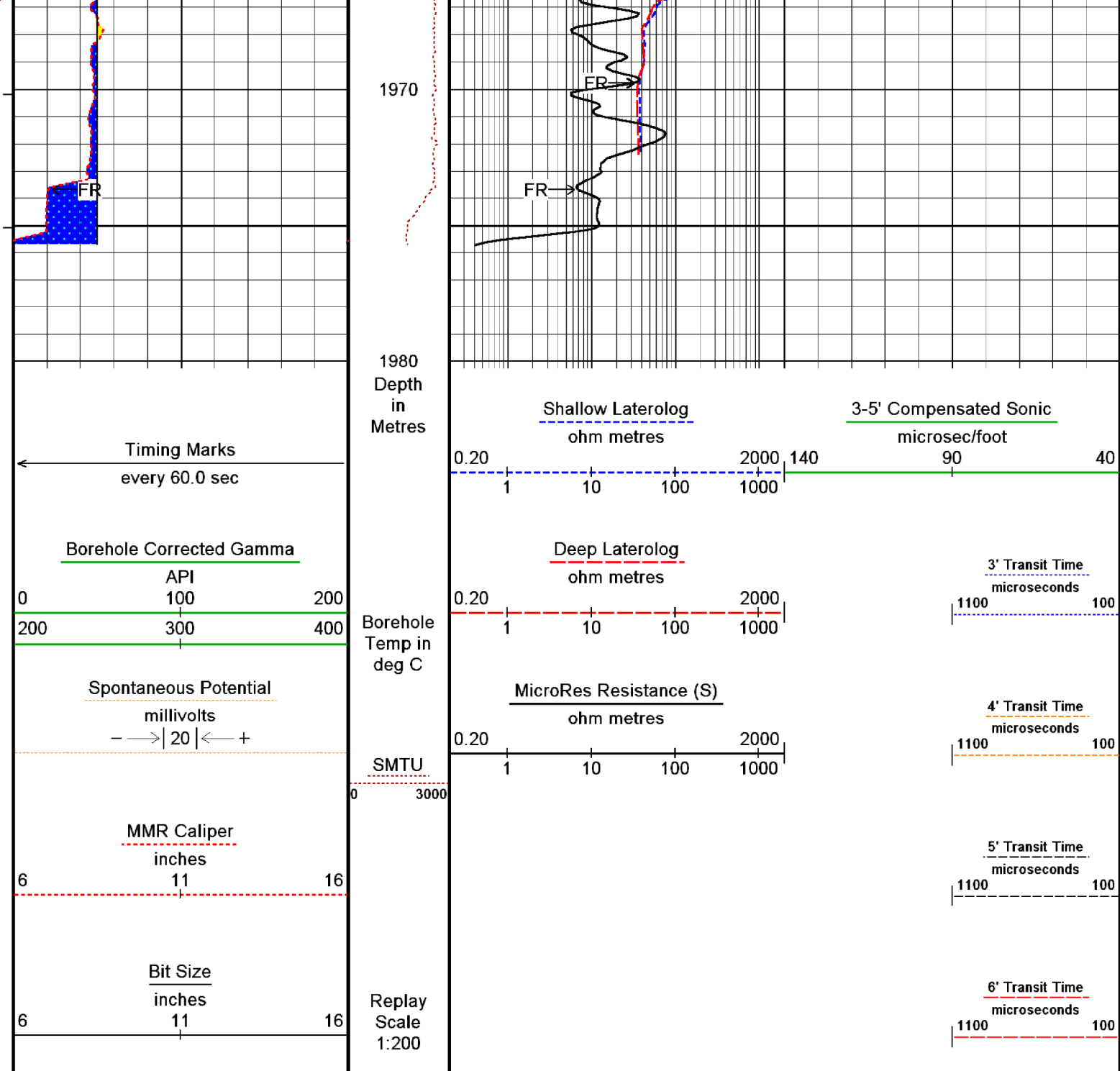
76°

1890

1900







Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 13-JUN-2007 11:25

Filename: C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\MAIN\_PASS.dta

Recorded on 27-DEC-2006 04:16

System Versions: Logged 17-JUN-2004 Processed 17-JUN-2004 Plotted with 7.01.0194

MAIN PASS 1: 200

REPEAT SECTION 1: 200

MAIN PASS 1: 200

Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 13-JUN-2007 11:25

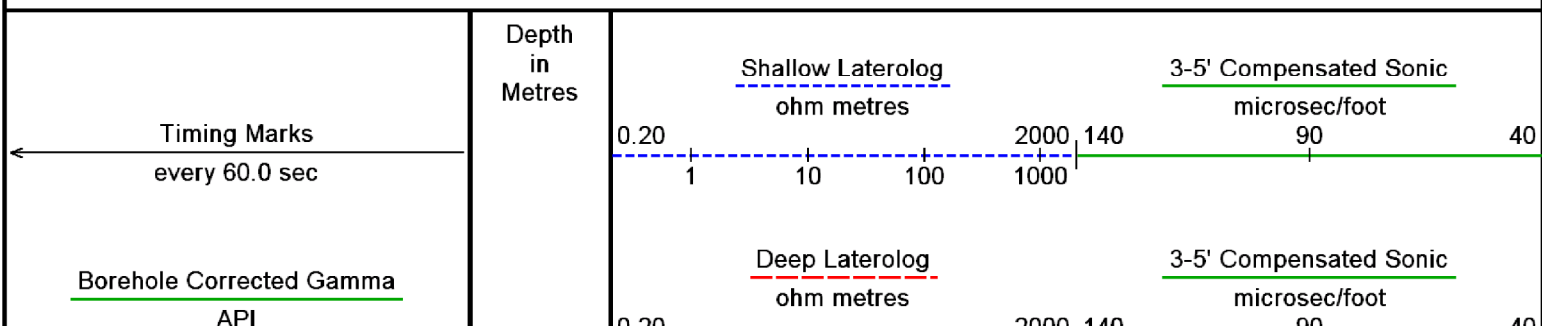
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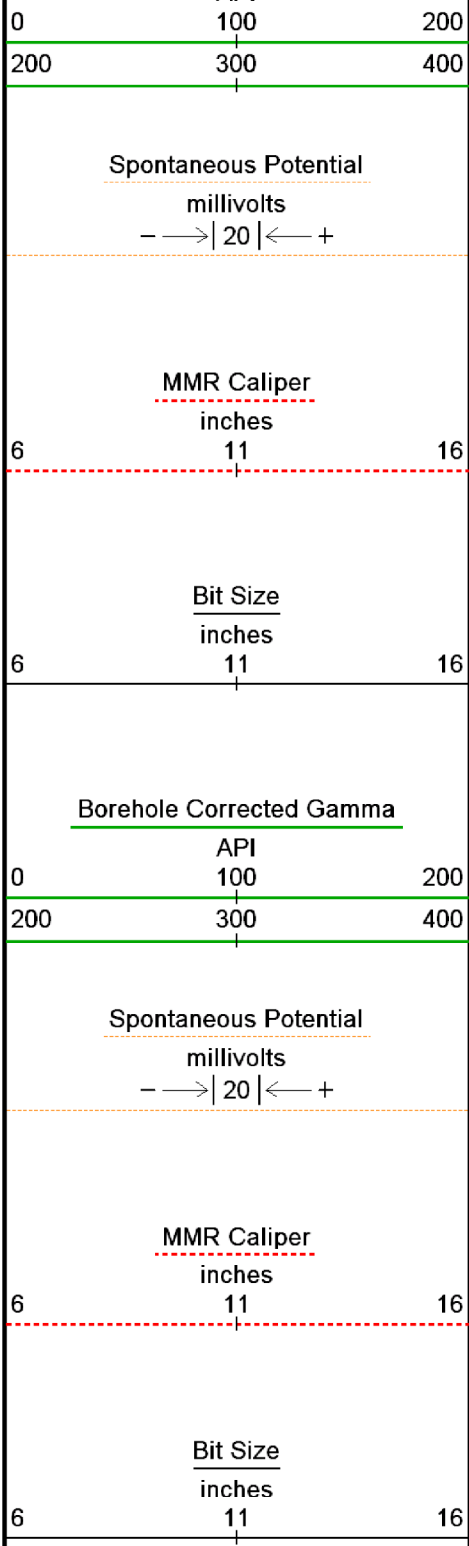
Recorded on 27-DEC-2006 03:33

Filename: C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\MAIN\_PASS.dta

Recorded on 27-DEC-2006 04:16

System Versions: Logged 17-JUN-2004 Processed 17-JUN-2004 Plotted with 7.01.0194





Borehole  
Temp in  
deg C

SMTU  
0 3000

Borehole  
Temp in  
deg C

SMTU  
0 3000

Replay  
Scale  
1:200

1870

1880

0.20 1 10 100 1000

MicroRes Resistance (S)

ohm metres

0.20 1 10 100 1000

Shallow Laterolog

ohm metres

0.20 1 10 100 1000

Deep Laterolog

ohm metres

0.20 1 10 100 1000

MicroRes Resistance (S)

ohm metres

0.20 1 10 100 1000

3' Transit Time

microseconds

1100 100

4' Transit Time

microseconds

1100 100

5' Transit Time

microseconds

1100 100

6' Transit Time

microseconds

1100 100

3' Transit Time

microseconds

1100 100

4' Transit Time

microseconds

1100 100

5' Transit Time

microseconds

1100 100

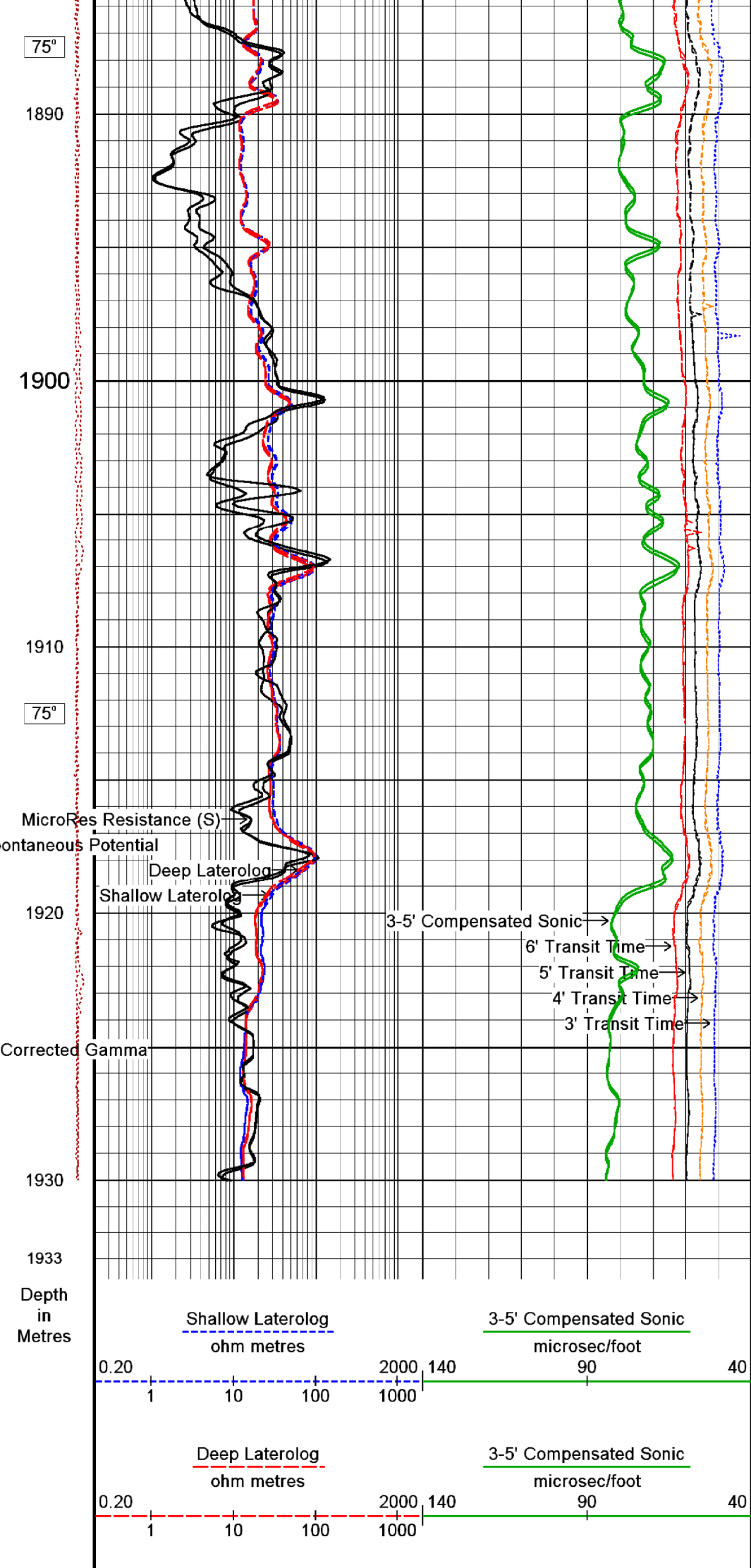
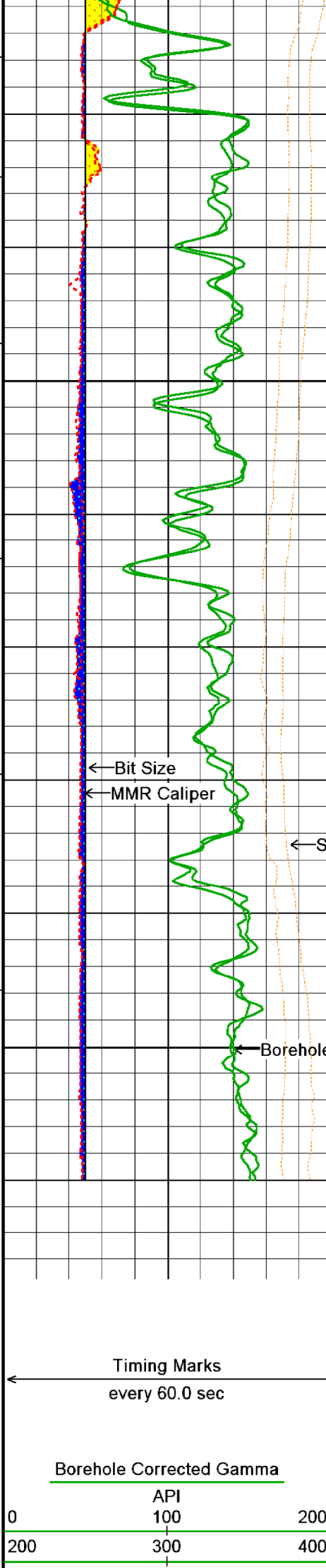
6' Transit Time

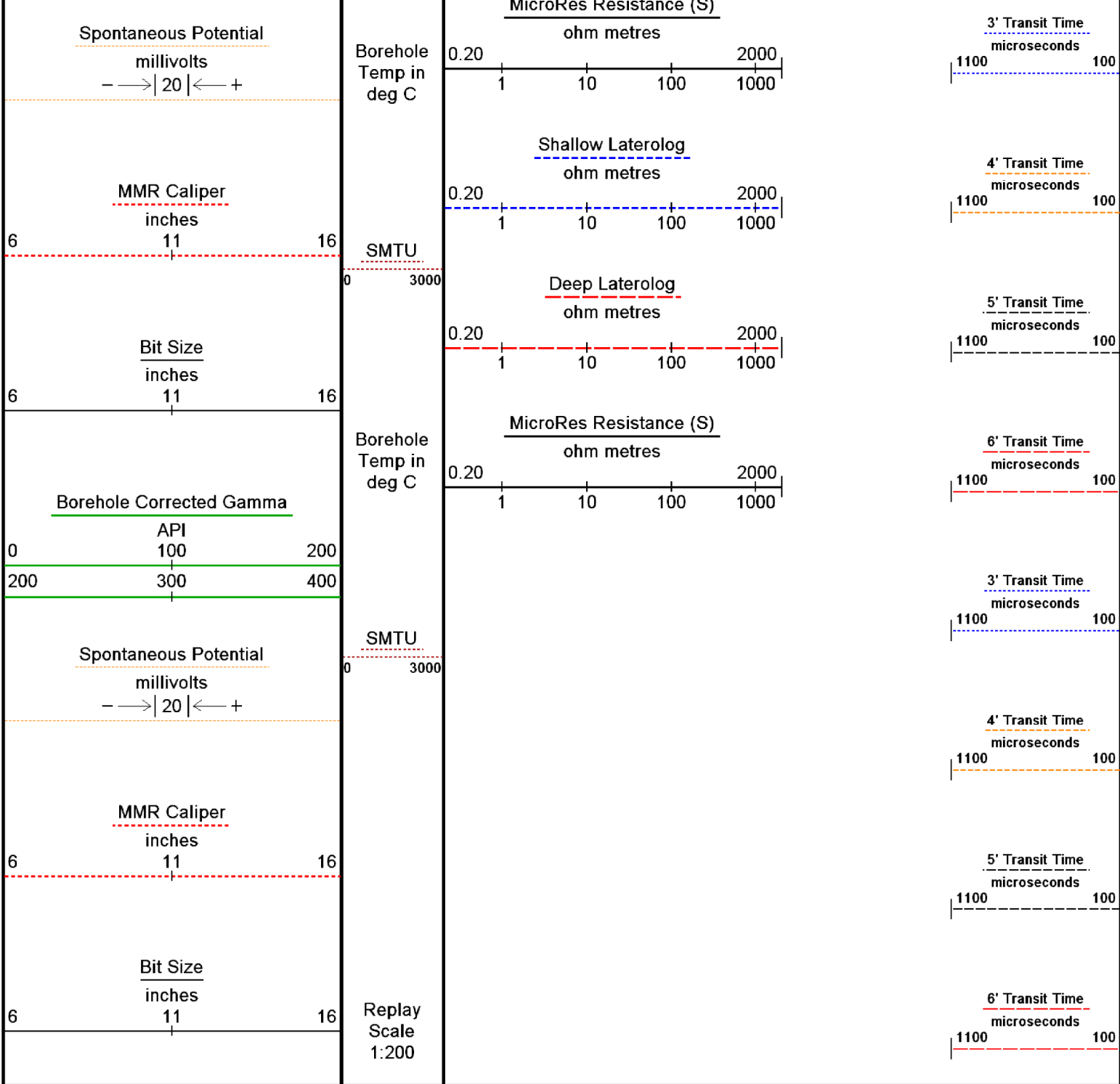
microseconds

1100 100

1870 1880







Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 13-JUN-2007 11:25

Filename: C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\REPEAT\_SECTION.dta

Recorded on 27-DEC-2006 03:33

Filename: C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\MAIN\_PASS.dta

Recorded on 27-DEC-2006 04:16

System Versions: Logged 17-JUN-2004 Processed 17-JUN-2004 Plotted with 7.01.0194

↑

REPEAT SECTION 1: 200

MAIN PASS 1: 200

↑

↓

HIRES SECTION 1: 200

↓

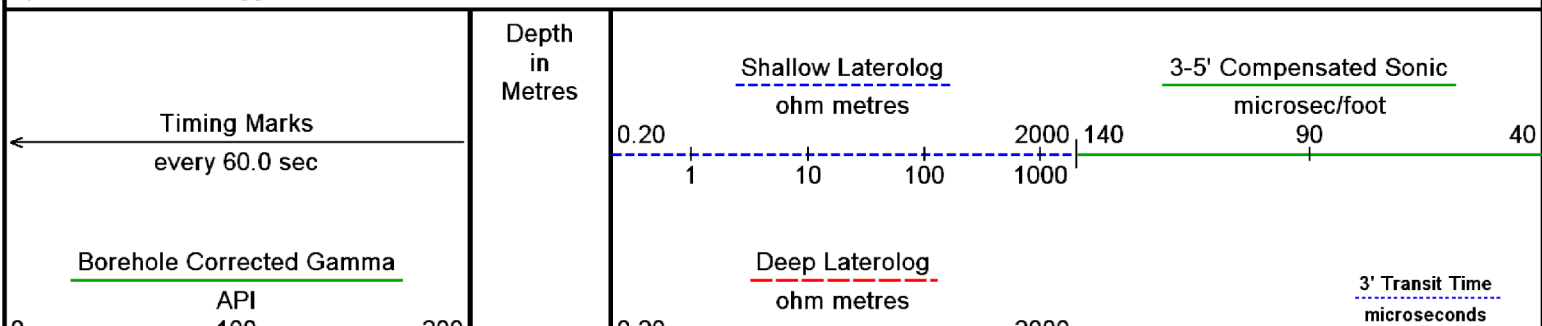
Depth Based Data - Maximum Sampling Increment 2.5cm

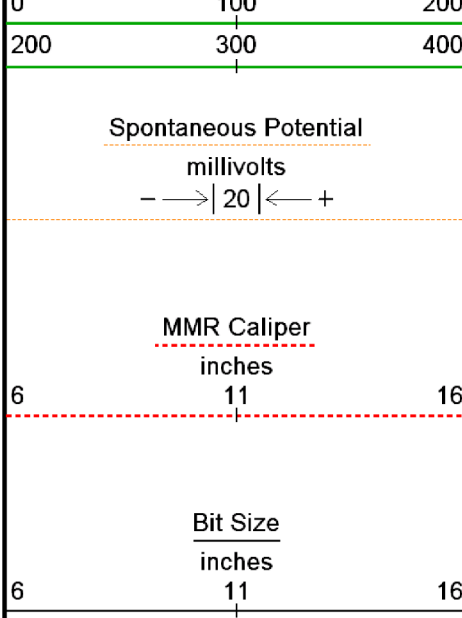
Plotted on 13-JUN-2007 11:25

Filename: C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\HIRES\_SECTION.dta

Recorded on 27-DEC-2006 03:33

System Versions: Logged 17-JUN-2004 Plotted with 7.01.0194

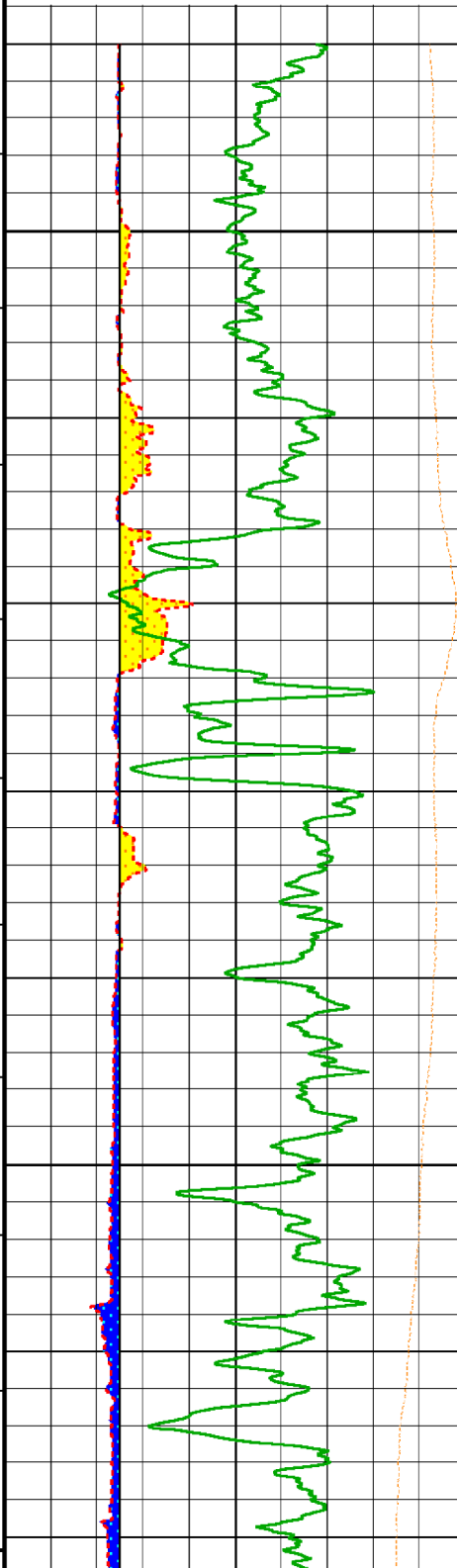
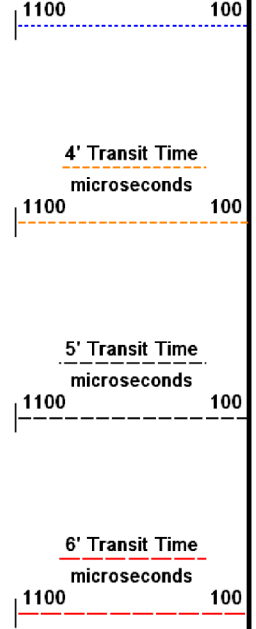
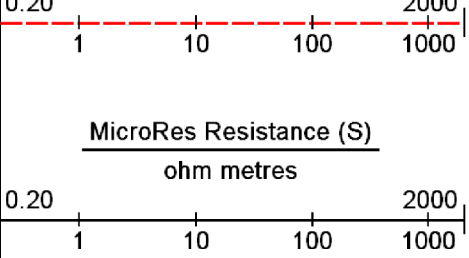




Borehole  
Temp in  
deg C

SMTU  
0 3000

Replay  
Scale  
1:200



1870

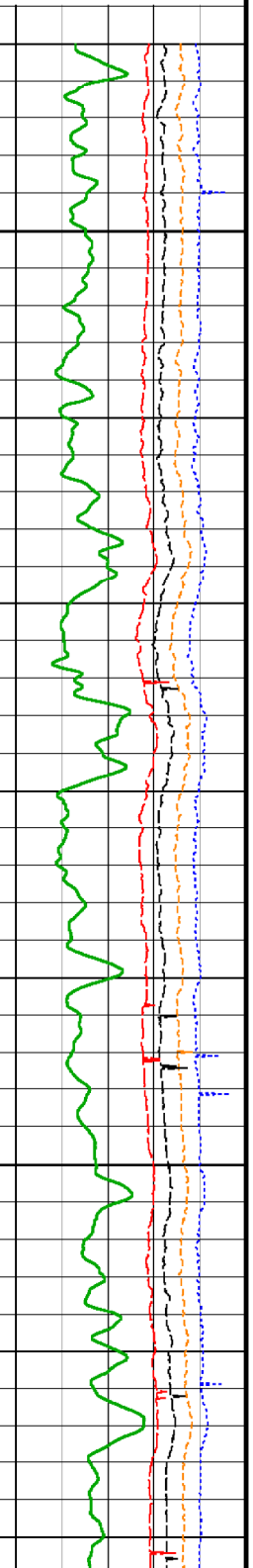
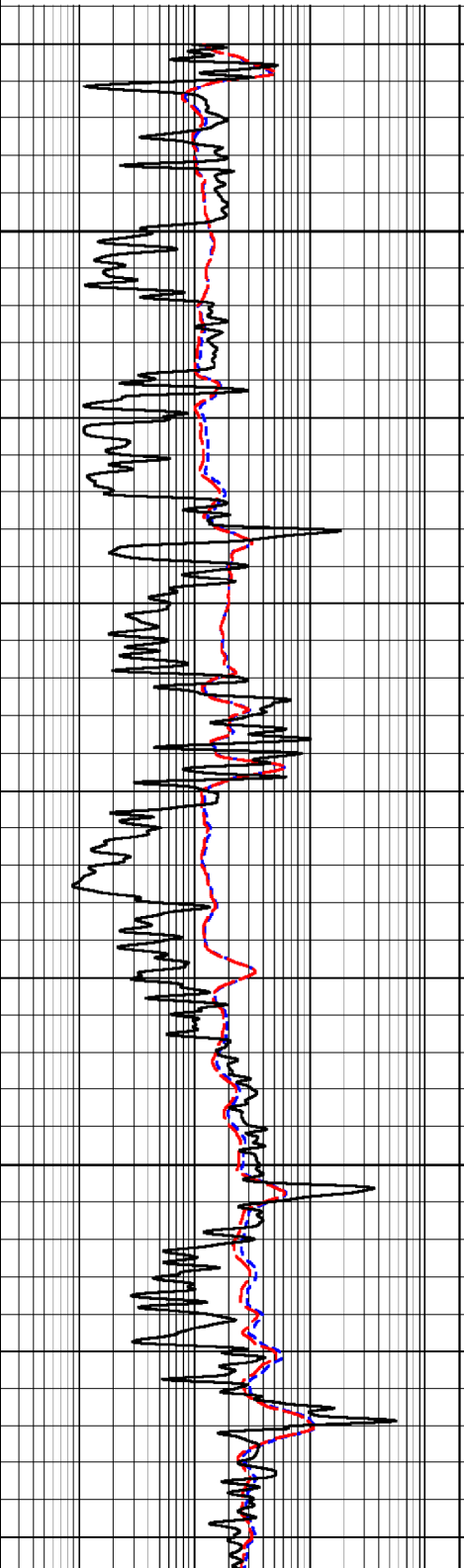
1880

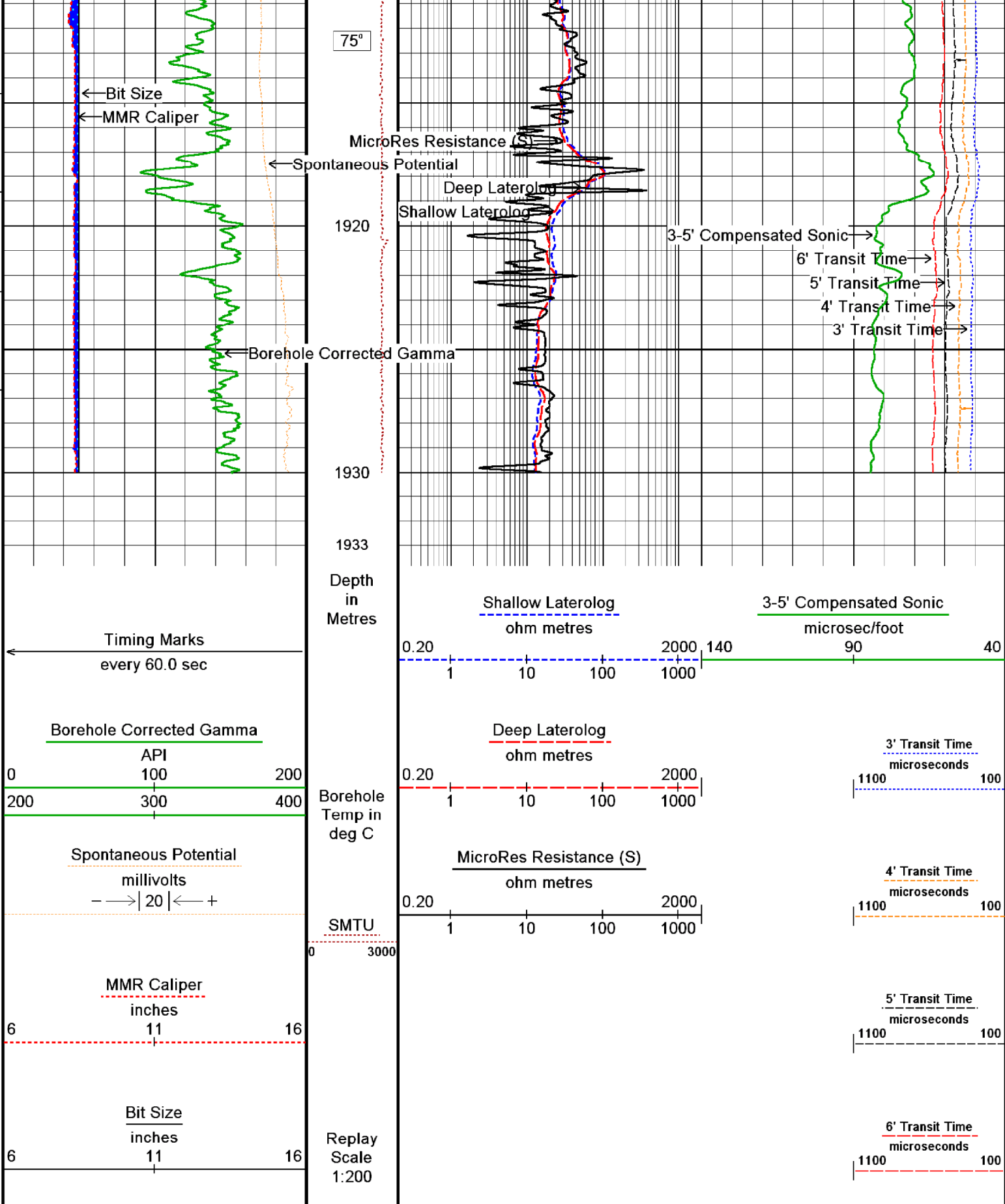
75°

1890

1900

1910





Depth Based Data - Maximum Sampling Increment 2.5cm  
Filename: C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\HIRES\_SECTION.dta  
System Versions: Logged 17-JUN-2004 Plotted with 7.01.0194

Plotted on 13-JUN-2007 11:25  
Recorded on 27-DEC-2006 03:33

↑ HIRES SECTION 1: 200 ↑

DOWNHOLE EQUIPMENT  
C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\HIRES\_SECTION.dta

Compact Stiff Bridle Electrode Sub.  
MBE 17 Length: 3.76 m Weight: 94.8 lb



Compact Stiff Bridle Electrode Sub.  
MBE 19 Length: 3.76 m Weight: 94.8 lb

Compact Gamma  
MCG 162 Length: 2.65 m Weight: 63.9 lb

Compact Neutron  
MDN 133 Length: 1.53 m Weight: 50.7 lb

Compact Density/Caliper  
MPD 83 Length: 2.92 m Weight: 90.4 lb

Compact Sonic  
MSS 66 Length: 3.82 m Weight: 72.8 lb

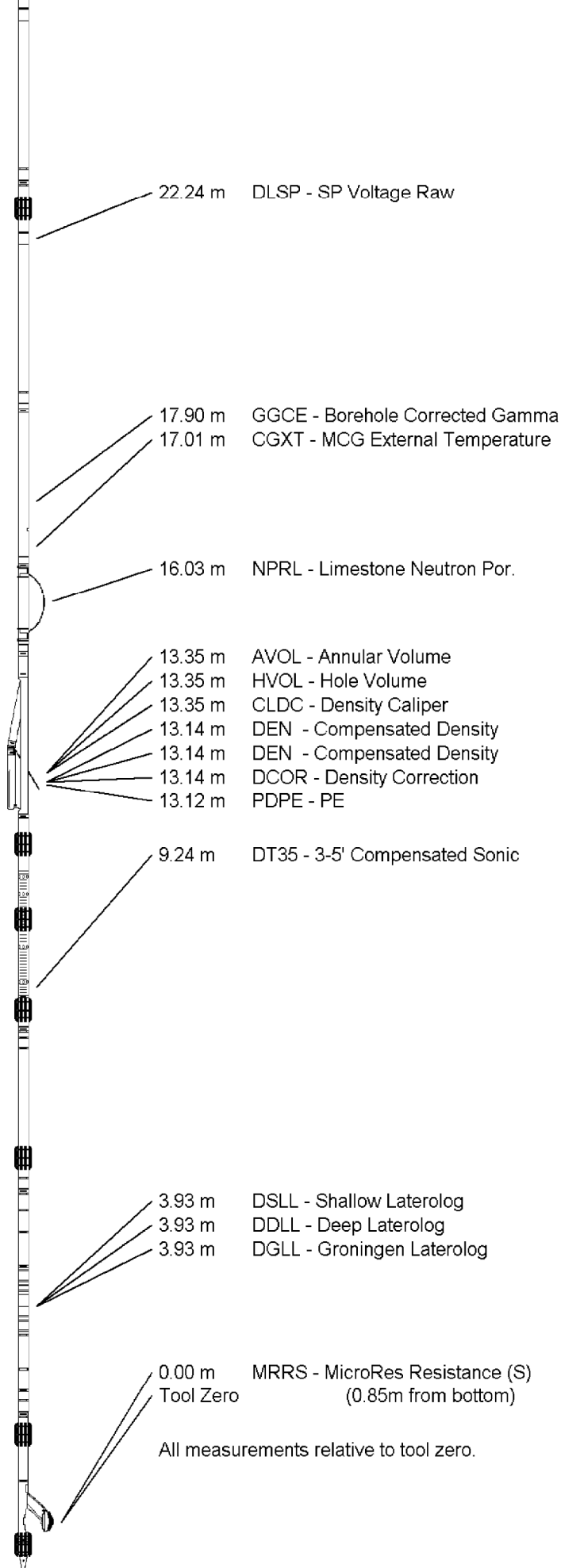
Compact Upper Guard Sub.  
MUG 29 Length: 2.74 m Weight: 68.3 lb

Compact Laterolog Electrode Sub.  
MLE 29 Length: 3.76 m Weight: 92.6 lb

Compact Micro-Resistivity  
MMR 42 Length: 2.62 m Weight: 81.6 lb

Pressure Bung + Hole Finder  
HFS 99 Length: 0.28 m Weight: 6.6 lb

Total Length: 27.84 m Weight: 716.5 lb



## BEFORE SURVEY CALIBRATION

C:\DOCUME~1\EDMANN~1\LOCALS~1\Temp\Precision PreView\SETUP.dta

General Parameters			
Mud Resistivity	0.269	ohm-metres	
Mud Resistivity Temperature	25.000	degrees C	
Water Level	0.000	metres	
Density/Neutron Processing	Wet Hole		
Hole/Annular Volume and Differential Caliper Parameters			
HVOL Caliper 1	Density Caliper		
HVOL Caliper 2	None		
Annular Volume Diameter	7.000	inches	
Caliper for Differential Caliper	None		
Rwa Parameters			
Porosity used	Base Density Porosity		
Resistivity used	Deep Laterolog		
RWA Constant A	0.610		
RWA Constant M	2.150		
Gamma Calibration MCG 162			
	Measured	Calibrated (API)	Field Calibration on 24-DEC-2006 12:36
Background	56	38	
Calibrator (Gross)	1403	947	
Calibrator (Net)	1347	909	
Gamma Constants MCG 162			
			Last Edited on 27-DEC-2006,03:27
Gamma Calibrator Number	GRC-C060		
Mud Density	1.08	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	
High Resolution Temperature Calibration MCG 162			
	Measured	Calibrated(Deg C)	Field Calibration on 27-DEC-2006,03:26
Lower	0.00	0.00	
Upper	100.00	100.00	
High Resolution Temperature Constants MCG 162			
Pre-filter Length	11		
Sonic Constants MSS 066			
			Last Edited on 27-DEC-2006,03:27
Maximum Boundary Contrast	100.00	micro-sec/ft	
Fluid Transit Time	189.00	micro-sec/ft	
Limestone Transit Time	47.50	micro-sec/ft	
Sandstone Transit Time	55.50	micro-sec/ft	
Dolomite Transit Time	43.50	micro-sec/ft	
Sonic used for Porosities	3-5' Compensated Sonic		
Correction for Sonde Skew	Applied		
Cycle Stretch Algorithm	Applied		
MN3FT	N/A	micro-sec	
MX3FT	N/A	micro-sec	
Fixed Gate Parameters			
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
Down Hole Fixed Gate Parameters			
Gate Start	N/A	micro-sec	
Gate Width	N/A	micro-sec	
Initial Discriminator Level	0.0000	mVolts	
Full Waveform Parameters			
Use 3' Waveform to derive TR	N/A		
Use 4' Waveform to derive TR	N/A		
Use 5' Waveform to derive TR	N/A		
Use 6' Waveform to derive TR	N/A		
3' Waveform Discriminator Level	N/A	mV	
4' Waveform Discriminator Level	N/A	mV	
5' Waveform Discriminator Level	N/A	mV	



6' Waveform Discriminator Level	N/A	mV
3' Waveform Filter	N/A	
4' Waveform Filter	N/A	
5' Waveform Filter	N/A	
6' Waveform Filter	N/A	
Semblance Level	N/A	
Semblance Window Width	N/A	micro-sec
Sonic 1 Despiker	N/A	N/A
Sonic 2 Despiker	N/A	N/A

#### Laterolog Constants MLE 029

Squasher Start	40000	ohm-m
Shallow Laterolog K Factor	1.3273	
Deep Laterolog K Factor	0.8527	
Groningen Laterolog K Factor	0.8527	
Interference Rejection	50 Hz	
SP Connection	SP Bridle Electrode	
Groningen Connection	Groningen Electrode	

#### Borehole Correction Constants

Stand-off	0	
Caliper Source	0	
Hole Size	0.000	0
Mud Resistivity Source	0	
Temp. for Rm Corr.	0	

#### SP Calibration MLE 029

	Measured	Calibrated (mV)
Reference 1	82.2	82.0
Reference 2	-81.8	-82.0

Field Calibration on 24-DEC-2006 13:11

#### Micro Laterolog Calibration MMR 042

Base Calibration on 6-DEC-2006 14:55

Field Check on 24-DEC-2006,12:23

#### Base Calibration

		Measured		Calibrated (ohm-m)	
		Ref 1	Ref 2	Ref 1	Ref 2
		10.1	985.8	0.2	19.6
Base Check (ohm-m)				Field Check (ohm-m)	
		8.0		8.0	

#### Micro Laterolog Constants MMR 042

Last Edited on 4-JAN-2007,09:51

Micro Laterolog K Factor	0.0196	
Standoff Offset	N/A	inches

#### Borehole Correction Constants

Mud Cake Source	0	
Mud Cake Thickness	0.0000	0
Mud Cake Thickness Caliper	0	
Mud Cake Resistivity	0.0000	ohm-m

**COMPANY** KAROON GAS PTY. LTD.  
**WELL** MEGASCOLIDES-1 RE ST1  
**FIELD** WILDCAT  
**PROVINCE/COUNTY** VICTORIA  
**COUNTRY/STATE** AUSTRALIA

Elevation Kelly Bushing	125.20	metres	First Reading	1973.70	metres
Elevation Drill Floor	124.90	metres	Depth Driller	1980.00	metres
Elevation Ground Level	120.00	metres	Depth Logger	1974.55	metres



**DUAL LATEROLOG**  
**MICRO LATEROLOG - SONIC**  
**1:200**

