

Company: LAKES OIL N.L

Well: Wombat 1

Field: Wildcat

Rig: Hunt #2

Country: Australia

FMI Dipmeter
Field Print
1:200 Scale

Hunt #2

Wildcat

Seaspray

Wombat 1

LAKES OIL N.L

LOCATION

Seaspray
Northing 5754818
Easting 513889

Elev.: K.B. 14.65 m
G.L. 11 m
D.F.

Permanent Datum:
Log Measured From:
Drilling Measured From:

Ground Level
Kelly Bushing
Kelly Bushing

Elev.: 11 m
3.6 m above Perm. Datum

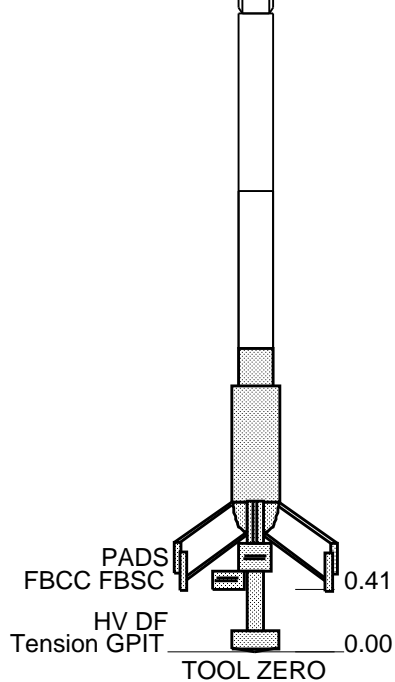
State:
Victoria

Max. Well Deviation
2.5 deg

Longitude
147° 09' 32" E

Latitude
38° 21' 16" S

Logging Date	25-Dec-2003		Longitude	147° 09' 32" E		Latitude	38° 21' 16" S	
Run Number	2							
Depth Driller	1775 m							
Schlumberger Depth	1753.3 m							
Bottom Log Interval	1751 m							
Top Log Interval	1365.5 m							
Casing Driller Size @ Depth	9.625 in		@	1366 m				
Casing Schlumberger	1365.5 m							
Bit Size	8.500 in							
Type Fluid In Hole	KCL PHPA Polymer							
Density	1.22223 g/cm3	49 s						
Fluid Loss	PH	9.5						
Source Of Sample	Pit							
RM @ Measured Temperature	0.194 ohm.m		@	23 degC		@		
RMF @ Measured Temperature	0.156 ohm.m		@	23 degC		@		
RMC @ Measured Temperature	0.208 ohm.m		@	23 degC		@		
Source RMF	RMC	Pit	Press					
RM @ MRT	RMF @ MRT	0.101 @ 64	0.081 @ 64	@		@		
Maximum Recorded Temperatures	64 degC		64					
Circulation Stopped	Time	24-Dec-2003		18:30				
Logger On Bottom	Time	25-Dec-2003						
Unit Number	Location	3134	QEA					
Recorded By	Neil Van Geest							
Witnessed By	David Horner							
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								
Density	Viscosity							
Fluid Loss	PH							
Source Of Sample								
RM @ Measured Temperature			@					
RMF @ Measured Temperature			@					
RMC @ Measured Temperature			@					
Source RMF	RMC							
RM @ MRT	RMF @ MRT	@		@		@		
Maximum Recorded Temperatures								
Circulation Stopped	Time							
Logger On Bottom	Time							
Unit Number	Location							
Recorded By								
Witnessed By								



MAXIMUM STRING DIAMETER 5.00 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: Lakes Oil N.L

Well: Wombat 1

Field: Wildcat

State: Victoria

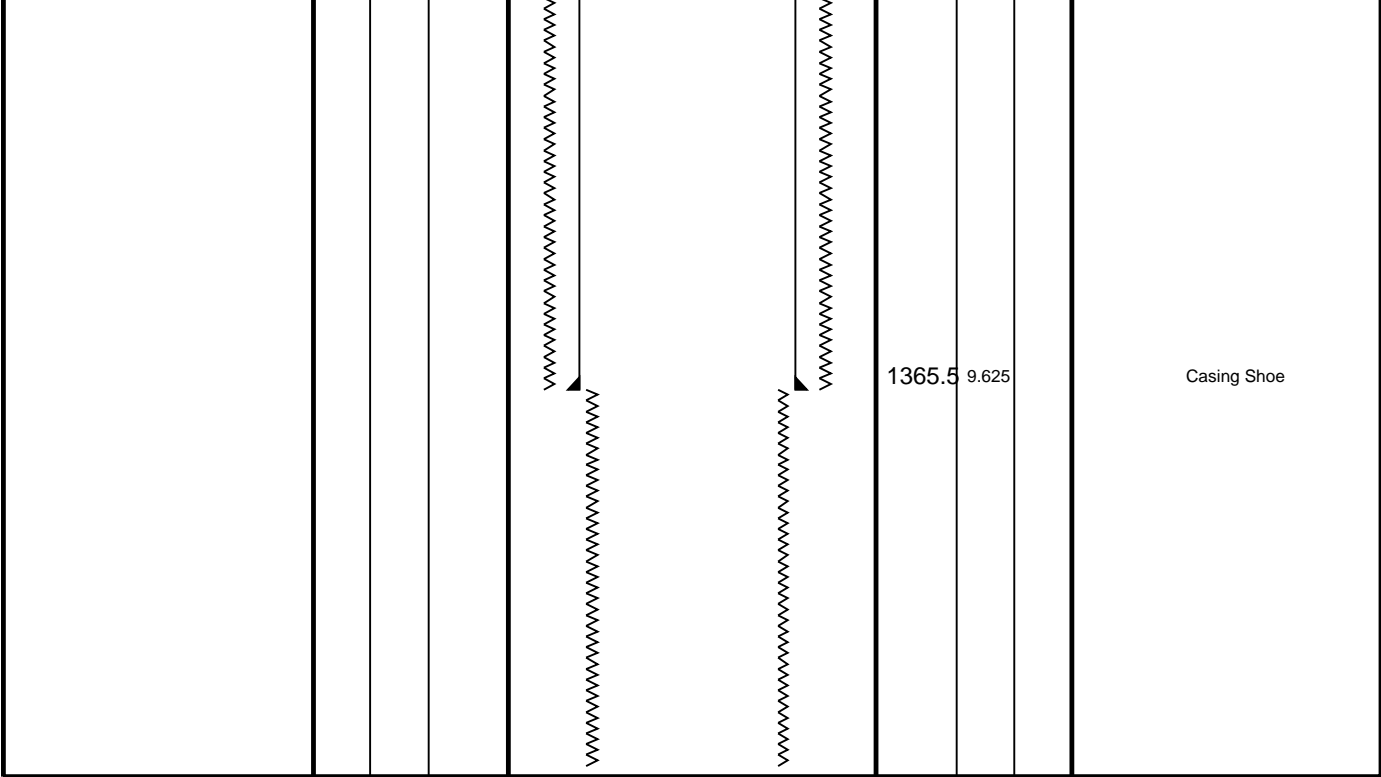
Country: Australia

Rig Name: Hunt #2

Reference Datum: Kelly Bushing

Elevation: 14.7 m

Production String	(in)		(m)	Well Schematic	(m)		(in)	Casing String
	OD	ID	MD		MD	OD	ID	
					0.0	9.625		Casing String
					0.0	12.250		Borehole Segment



Schlumberger

Dipmeter Log 1:200

MAXIS Field Log

Company: LAKES OIL N.L Well: Wombat 1

Input DLIS Files

DEFAULT FMI_045PUP FN:63 PRODUCER 25-Dec-2003 09:51 1749.2 M 1422.8 M

Output DLIS Files

CUSTOMER FMI_047PUC FN:65 CUSTOMER 25-Dec-2003 10:08 1749.2 M 1423.3 M

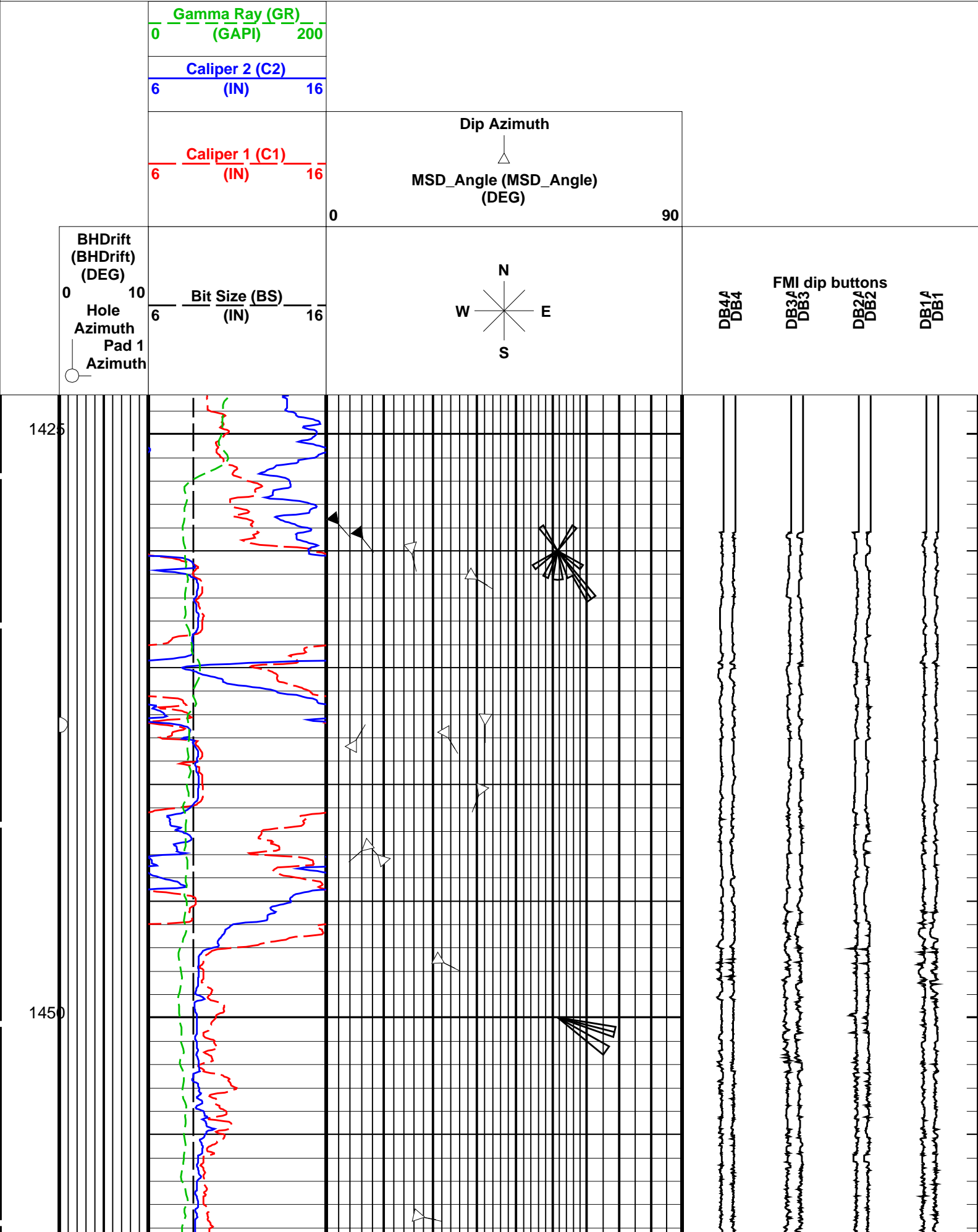
OP System Version: 11C0-305
MCM

FBST-B 11C0-305 SGT-N 11C0-305
DTC-H 11C0-305

FMI Dip buttons values are Not corrected by Emex or Gain.

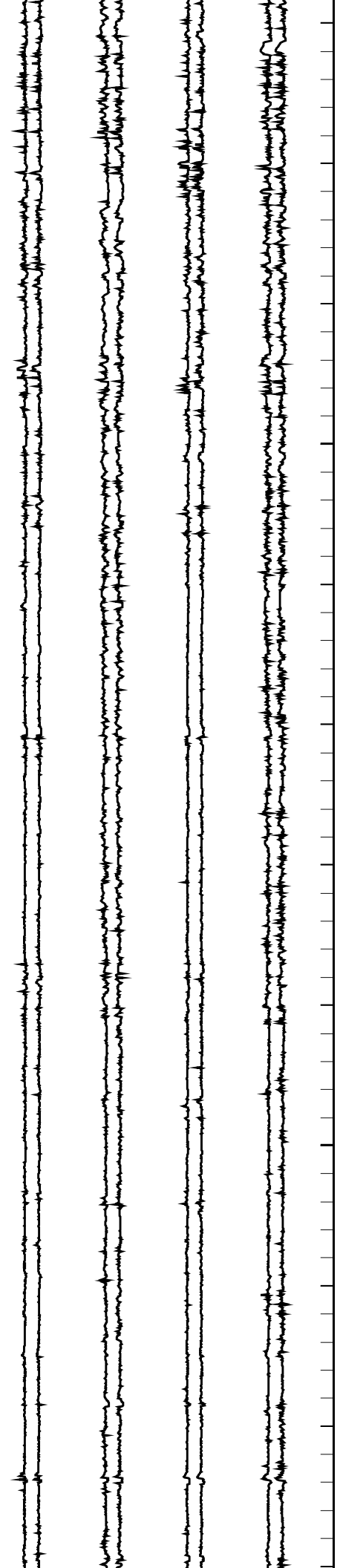
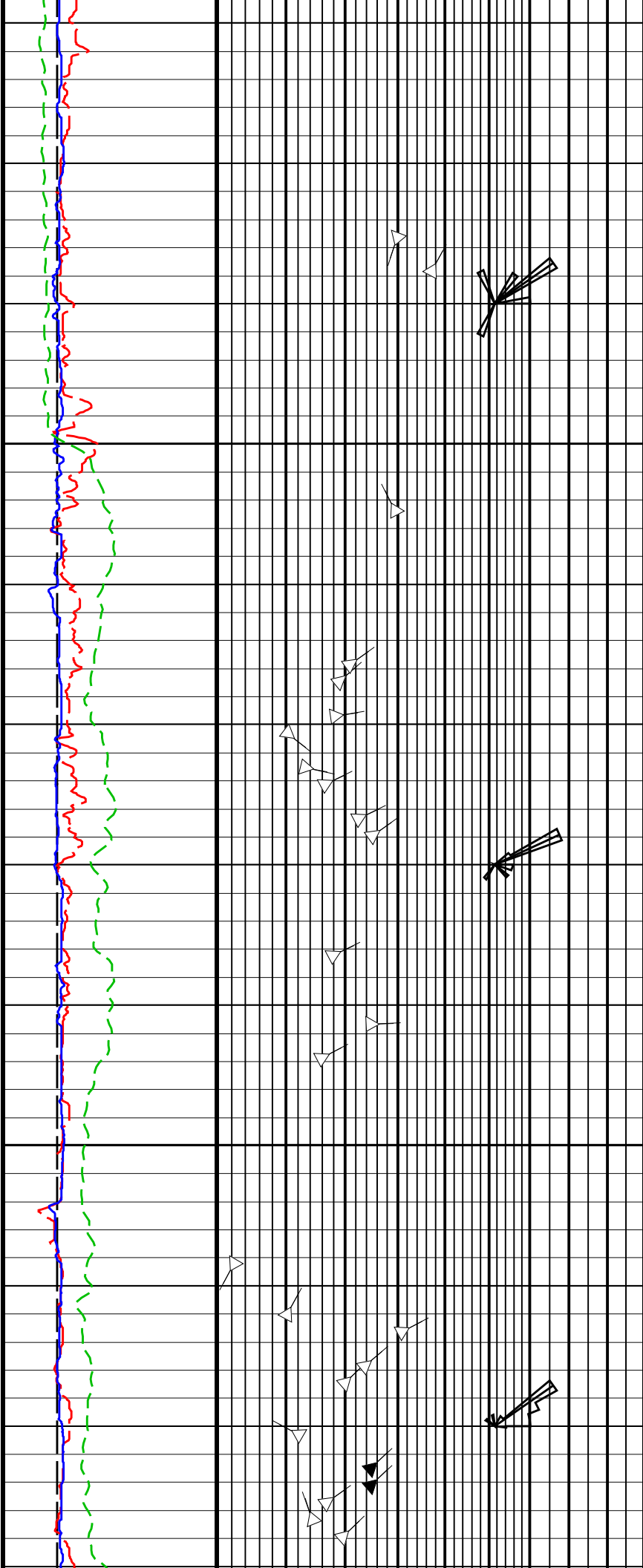
PIP SUMMARY

Time Mark Every 60 S



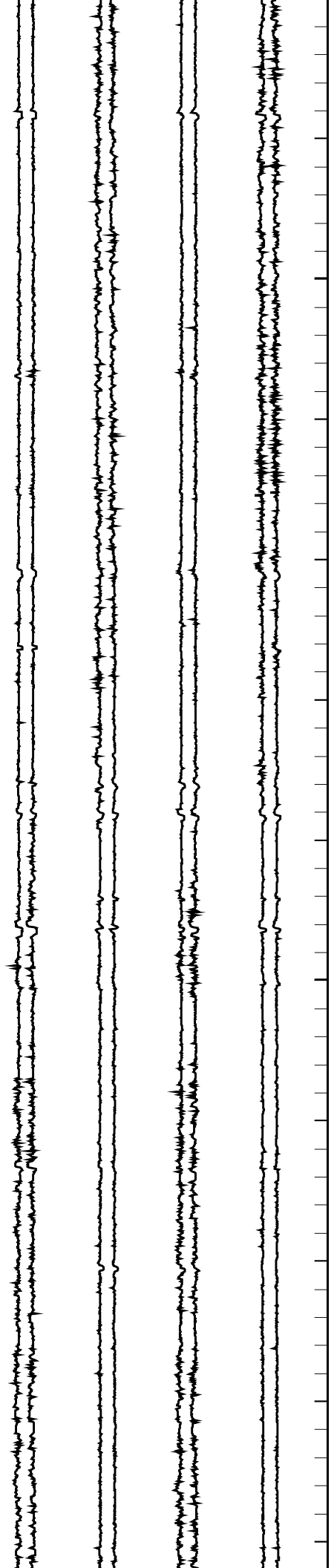
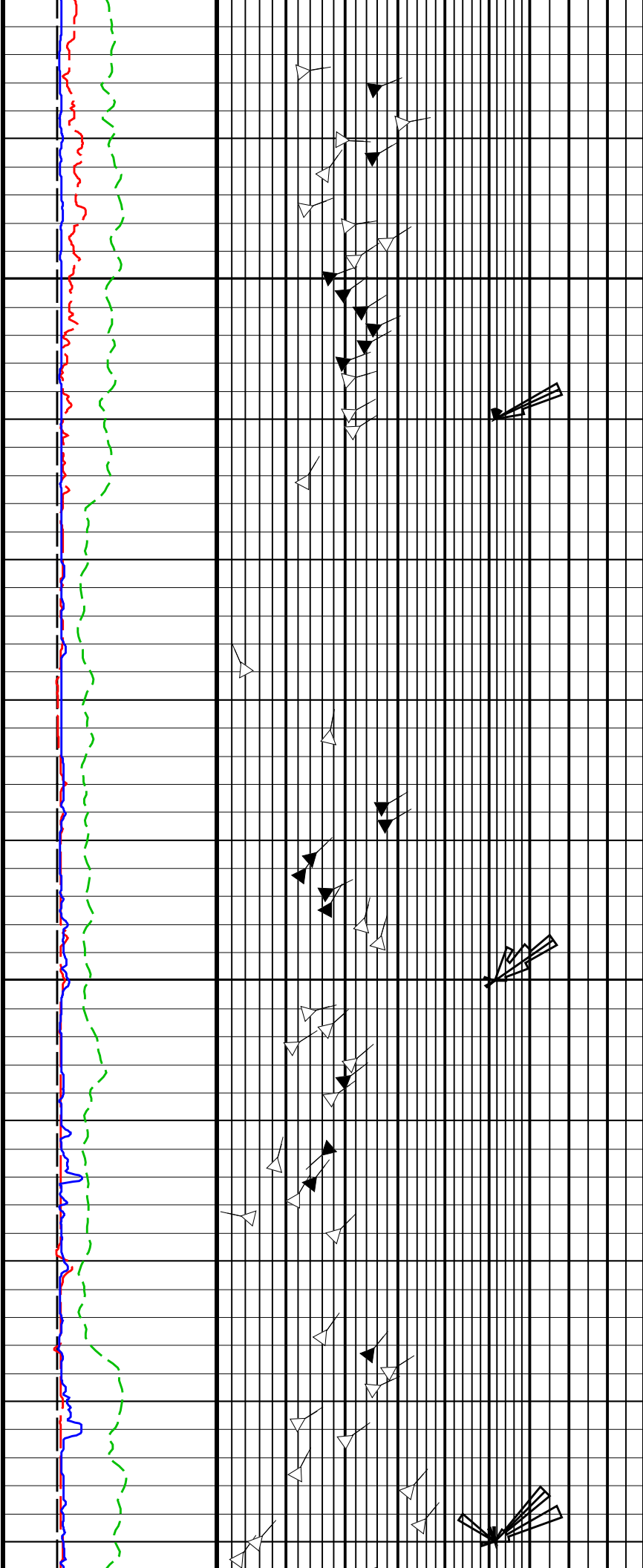
1475

1500



1525

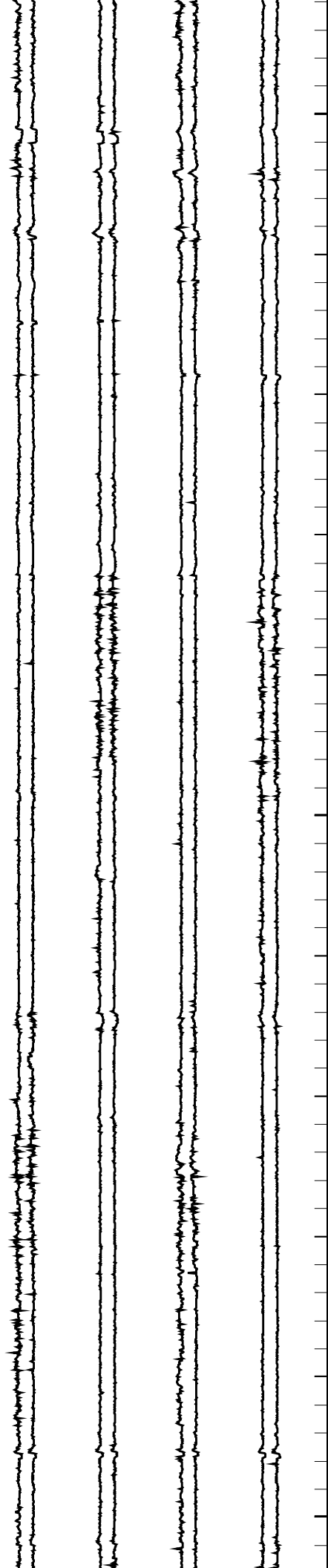
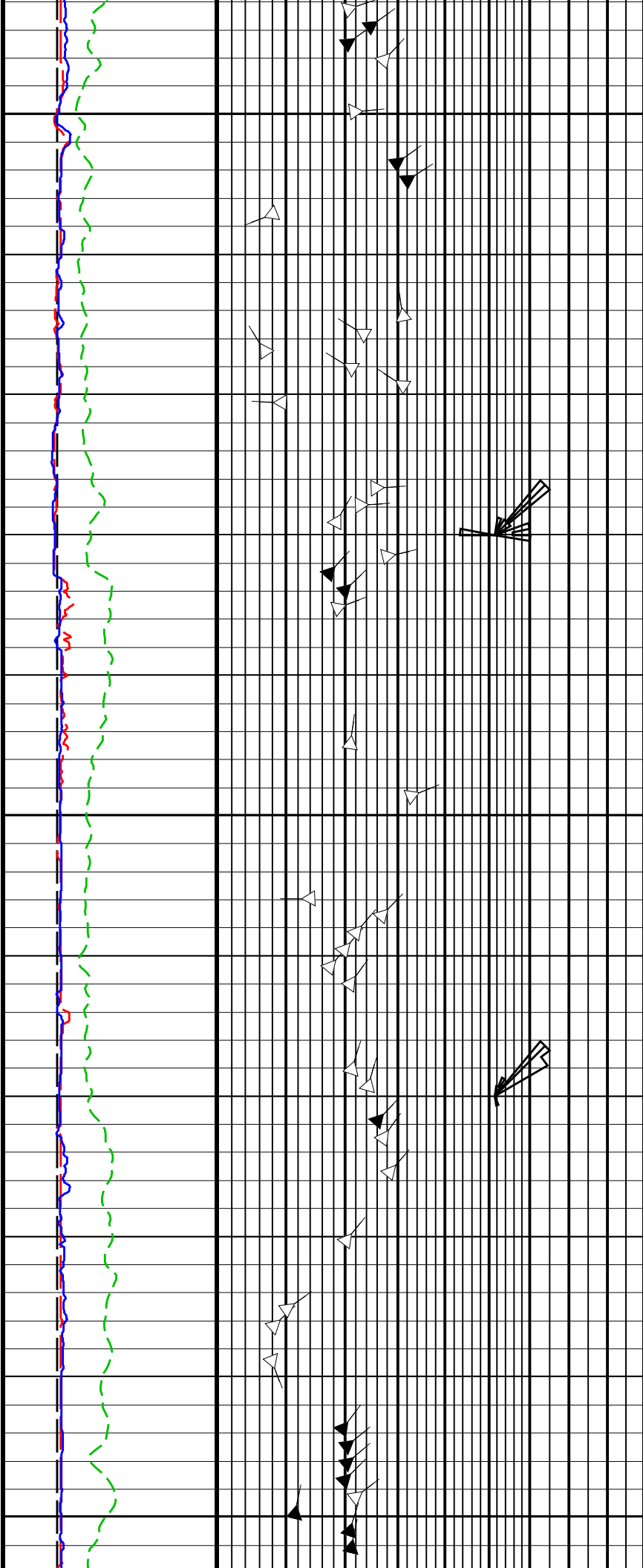
1550



1575

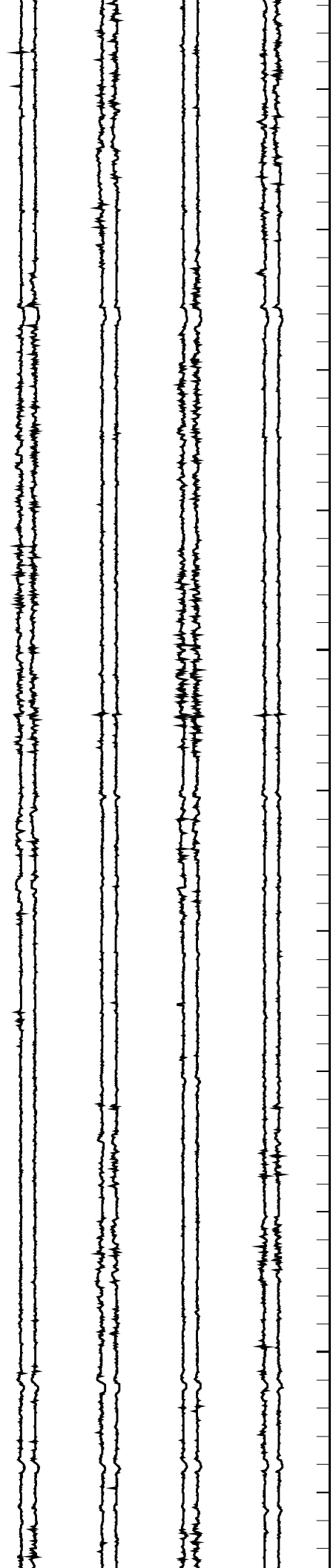
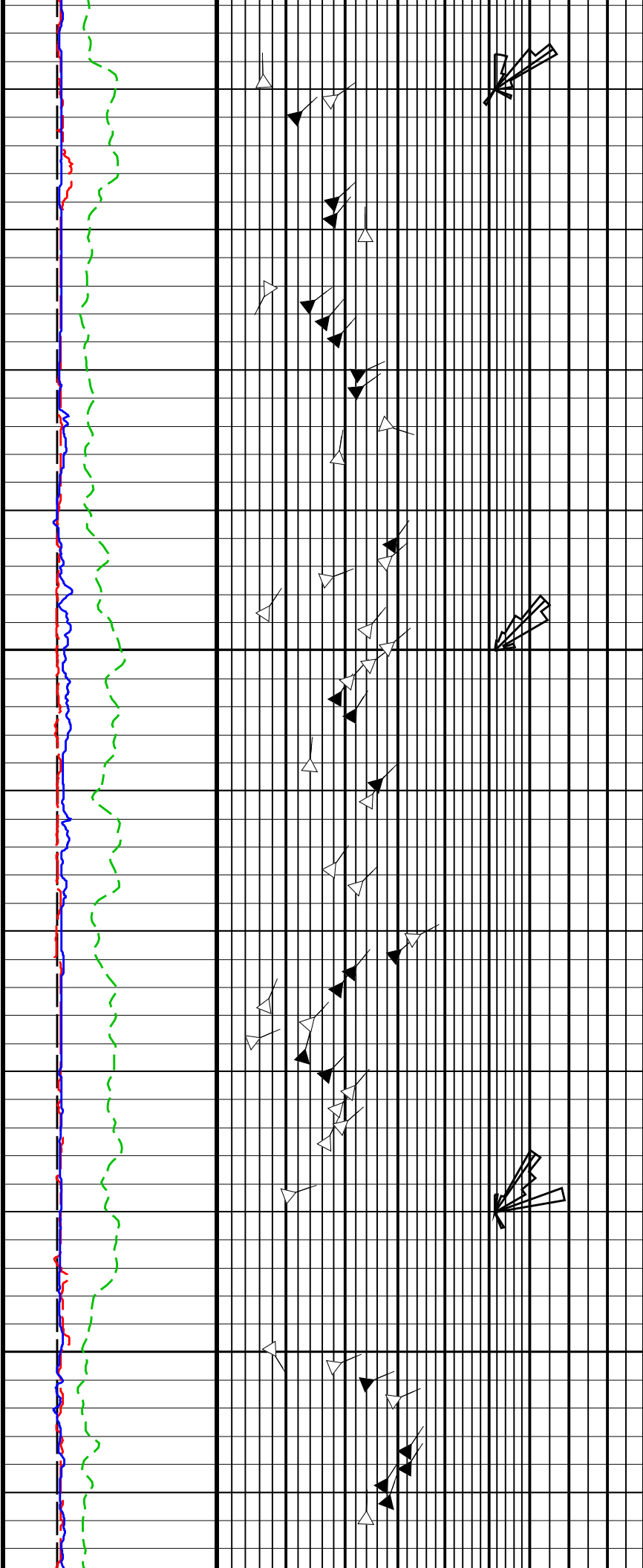
1600

1625



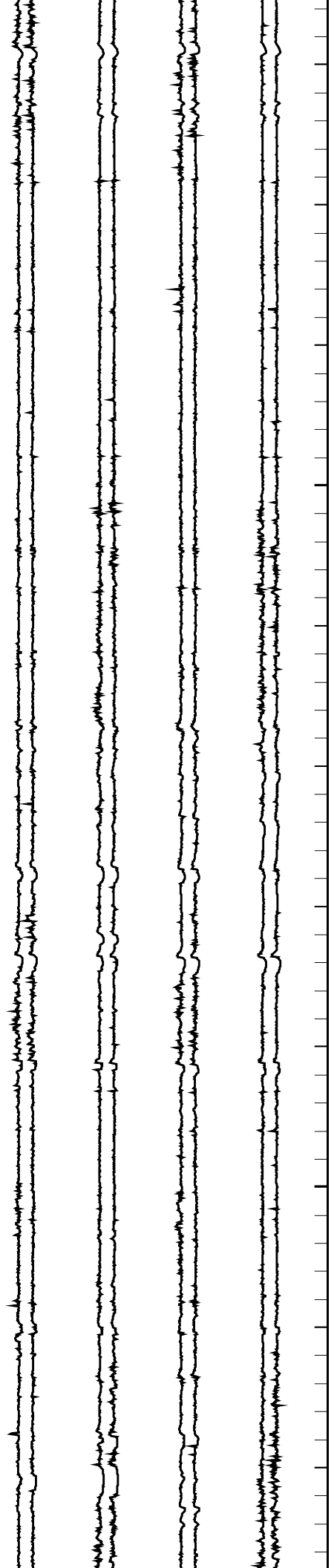
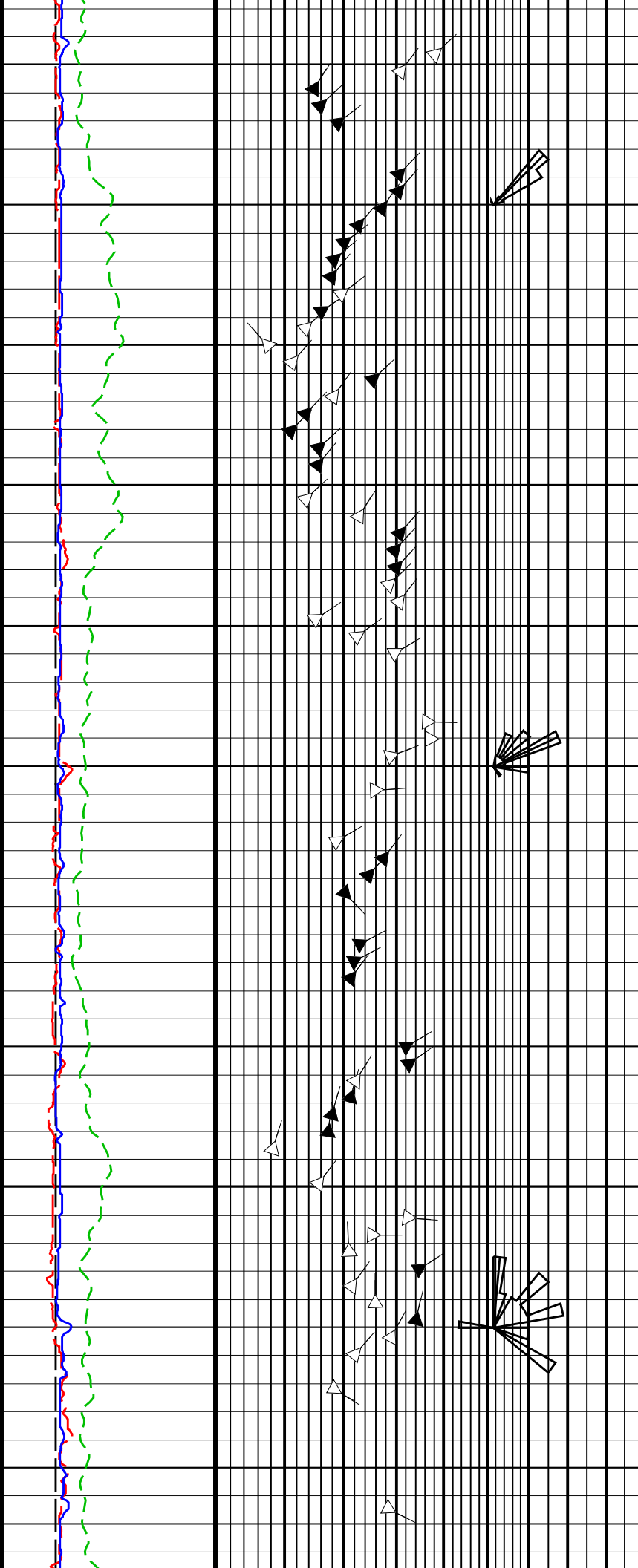
1650

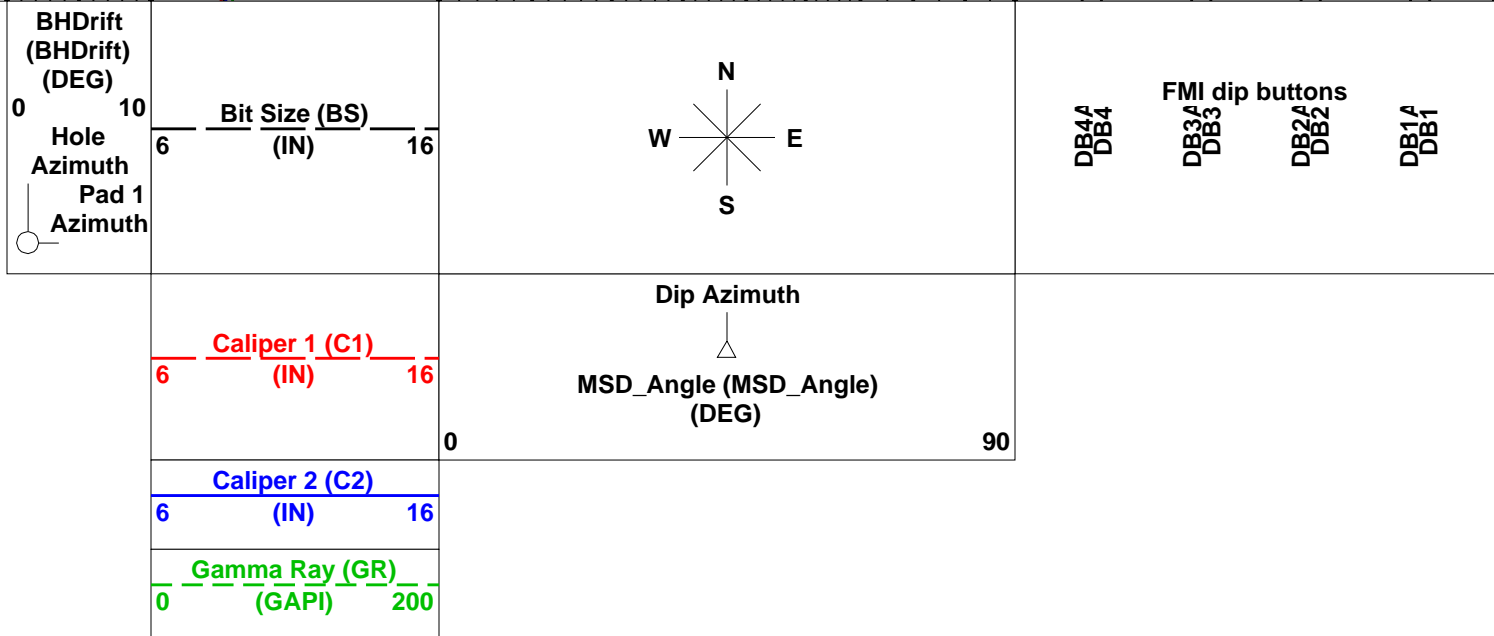
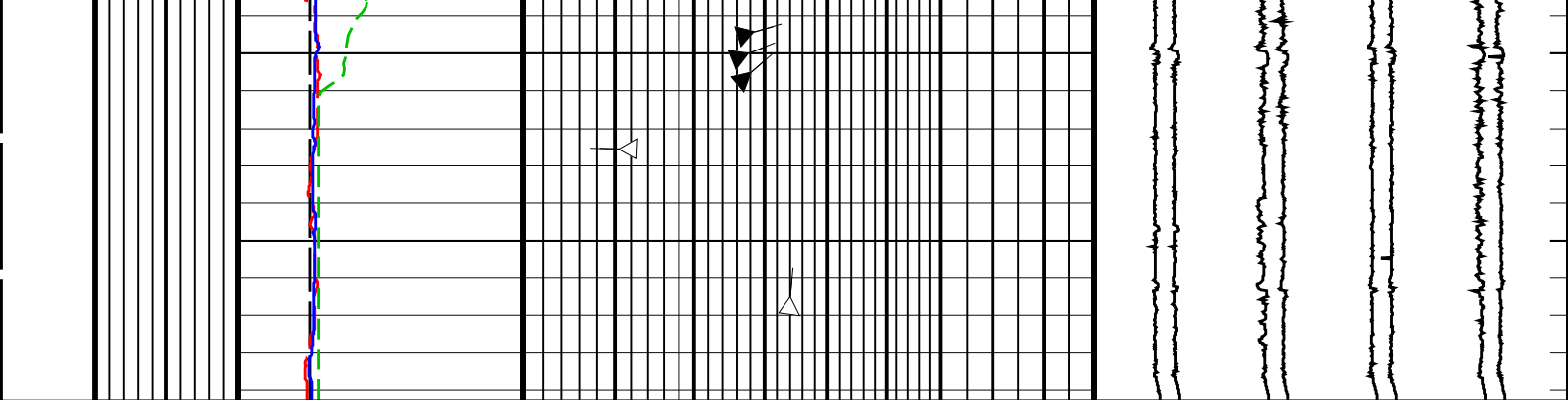
1675



1700

1725





PIP SUMMARY

 Time Mark Every 60 S

FMI Dip buttons values are Not corrected by Emex or Gain.

Format: FMI_MSDip Vertical Scale: 1:200 Graphics File Created: 25-Dec-2003 10:08

OP System Version: 11C0-305
MCM

FBST-B	11C0-305	SGT-N	11C0-305
DTC-H	11C0-305		

Input DLIS Files

DEFAULT	FMI_045PUP	FN:63	PRODUCER	25-Dec-2003 09:51	1749.2 M	1422.8 M
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Output DLIS Files

CUSTOMER	FMI_047PUC	FN:65	CUSTOMER	25-Dec-2003 10:08
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Schlumberger

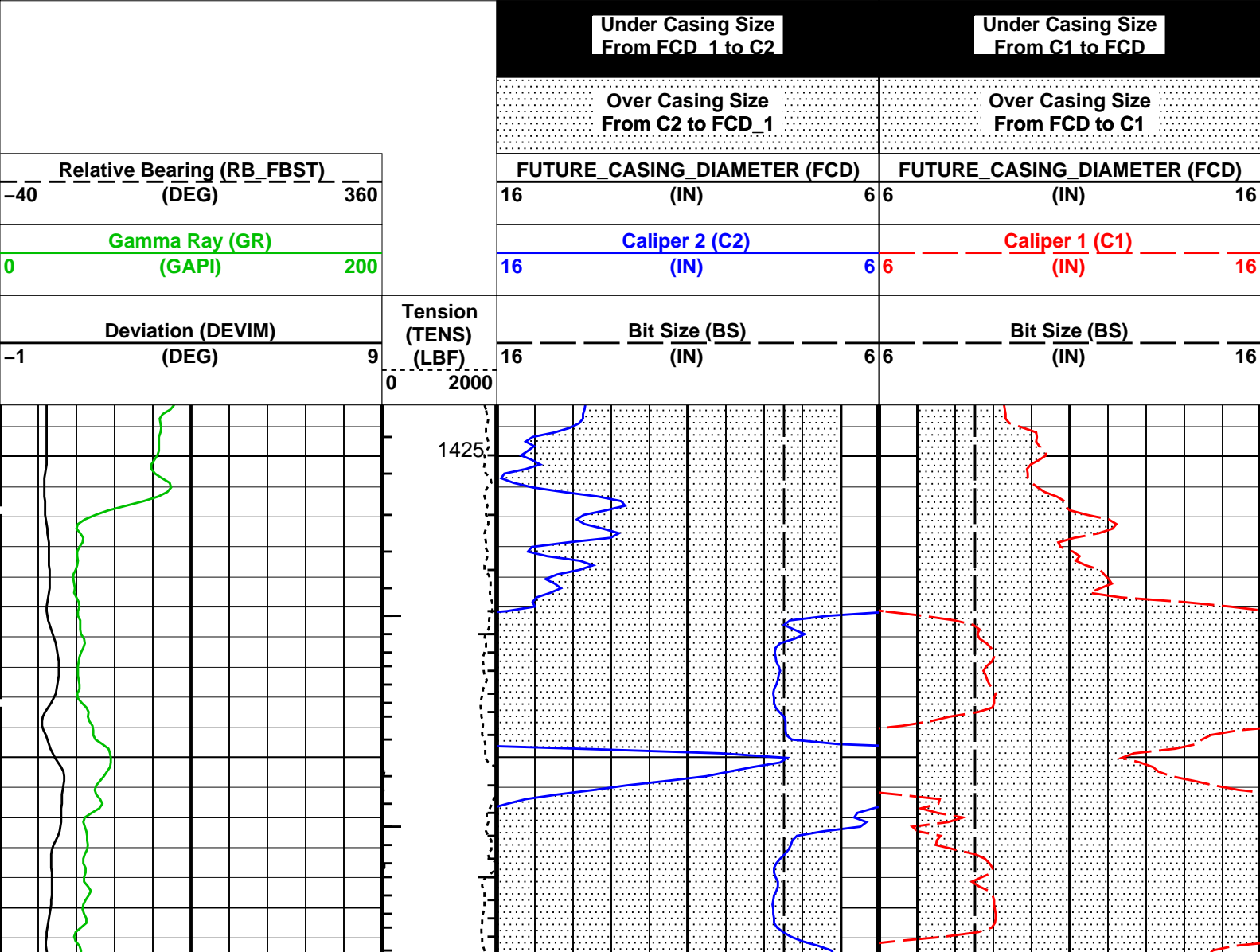
Dual Arm Caliper Log 1:200

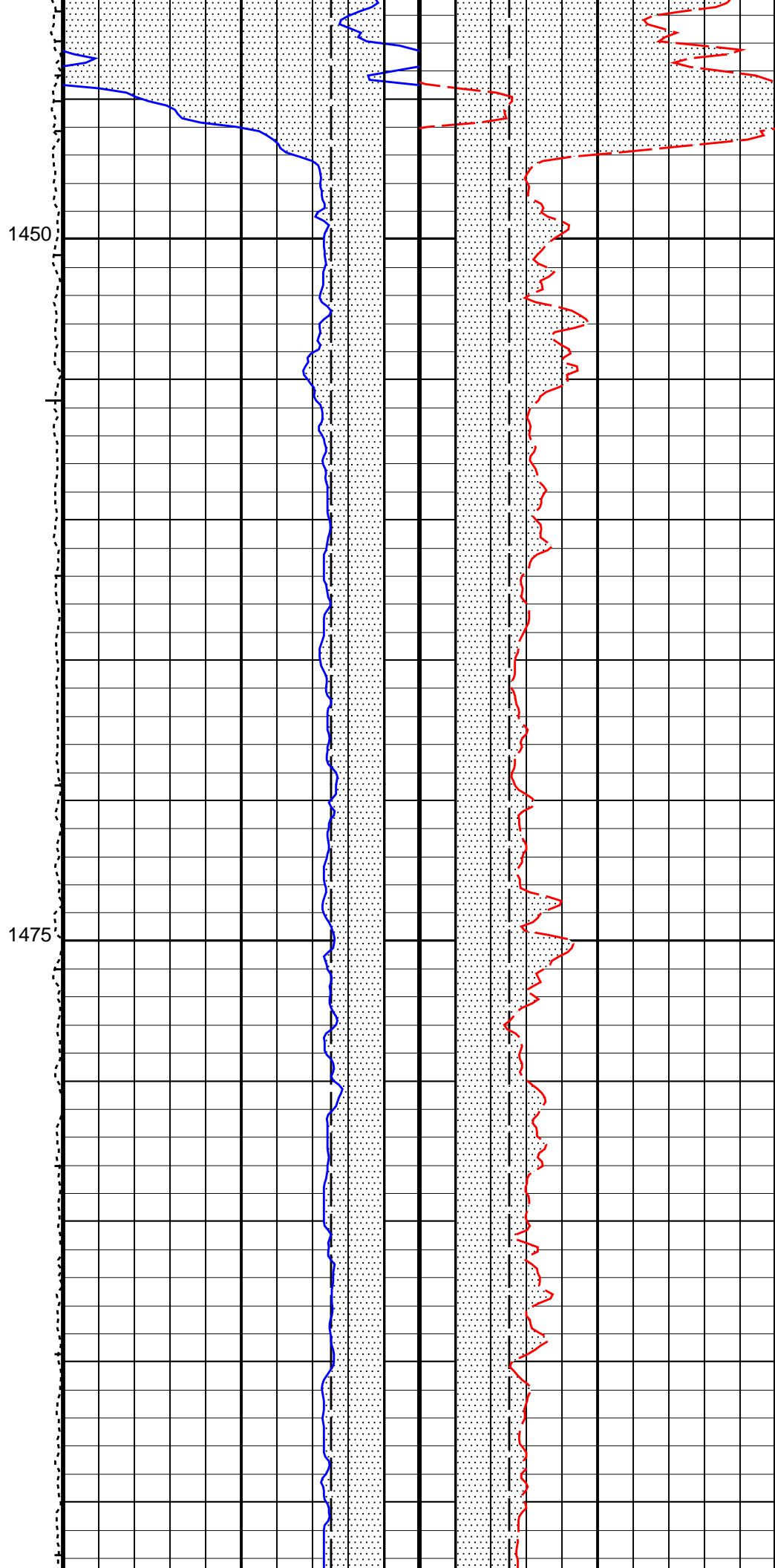
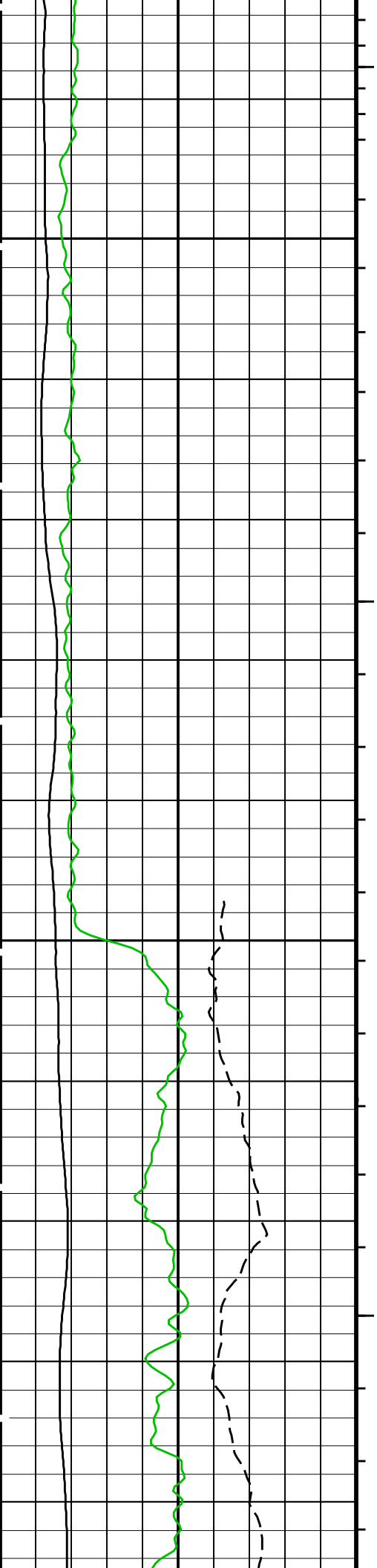
Input DLIS Files					
DEFAULT	FMI_045PUP	FN:63	PRODUCER	25-Dec-2003 09:51	1749.2 M 1422.8 M
Output DLIS Files					
CUSTOMER	FMI_047PUC	FN:65	CUSTOMER	25-Dec-2003 10:08	1749.2 M 1423.3 M

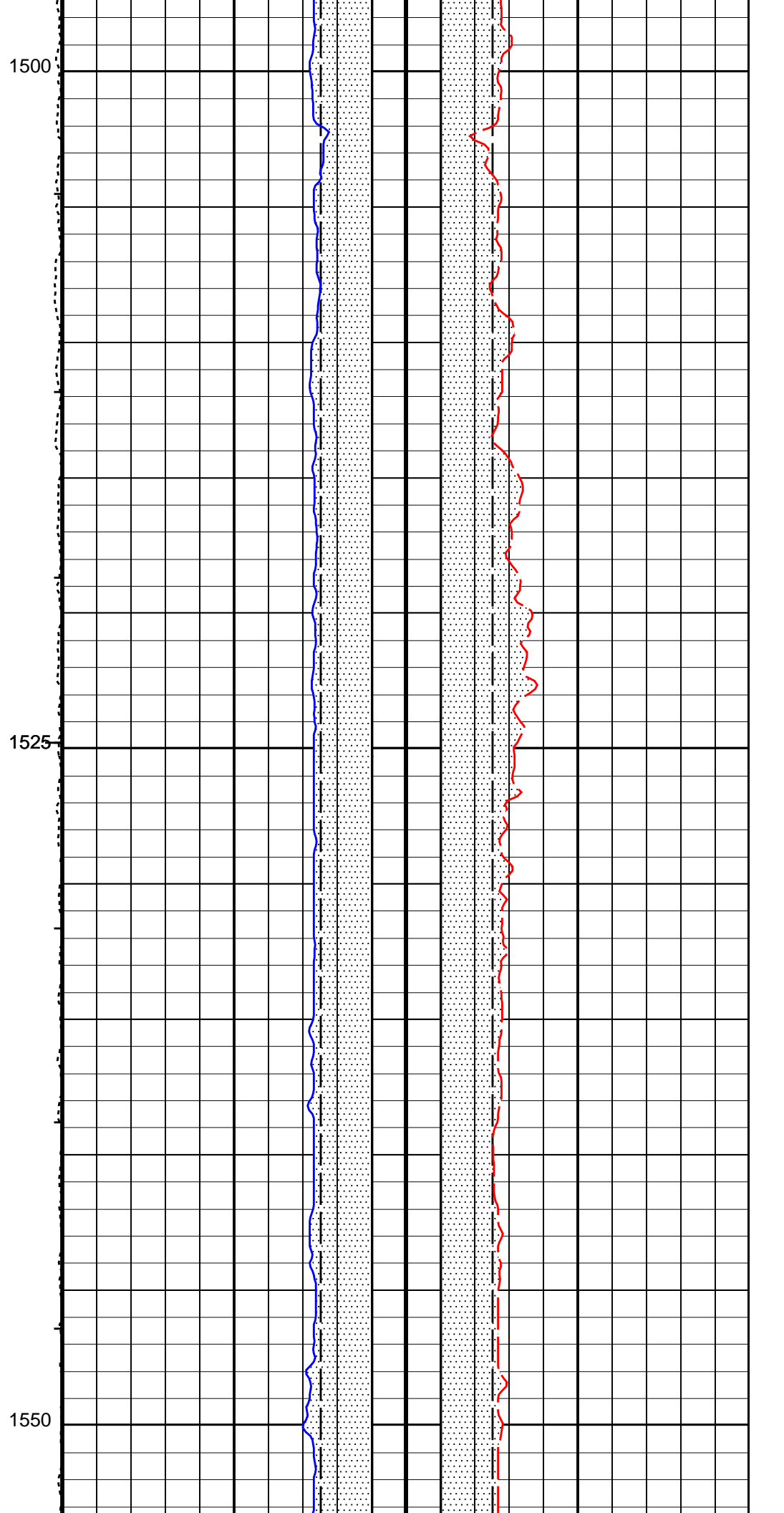
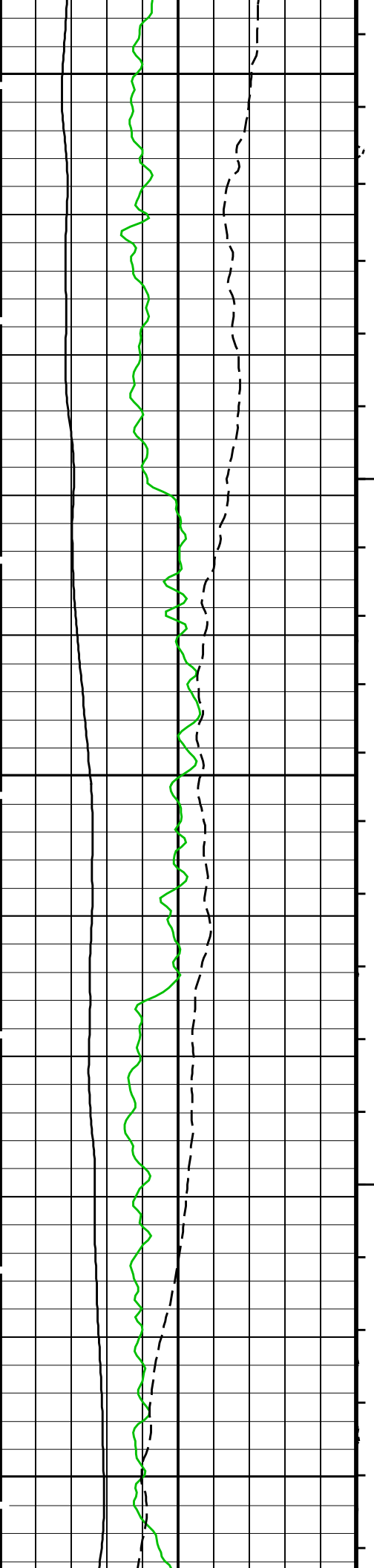
Integrated Hole/Cement Volume Summary	
Hole Volume = 14.57 M3	
Cement Volume = 6.47 M3 (assuming 7.00 IN casing O.D.)	
Computed from 1749.2 M to 1423.4 M using data channel(s) C1 C2	

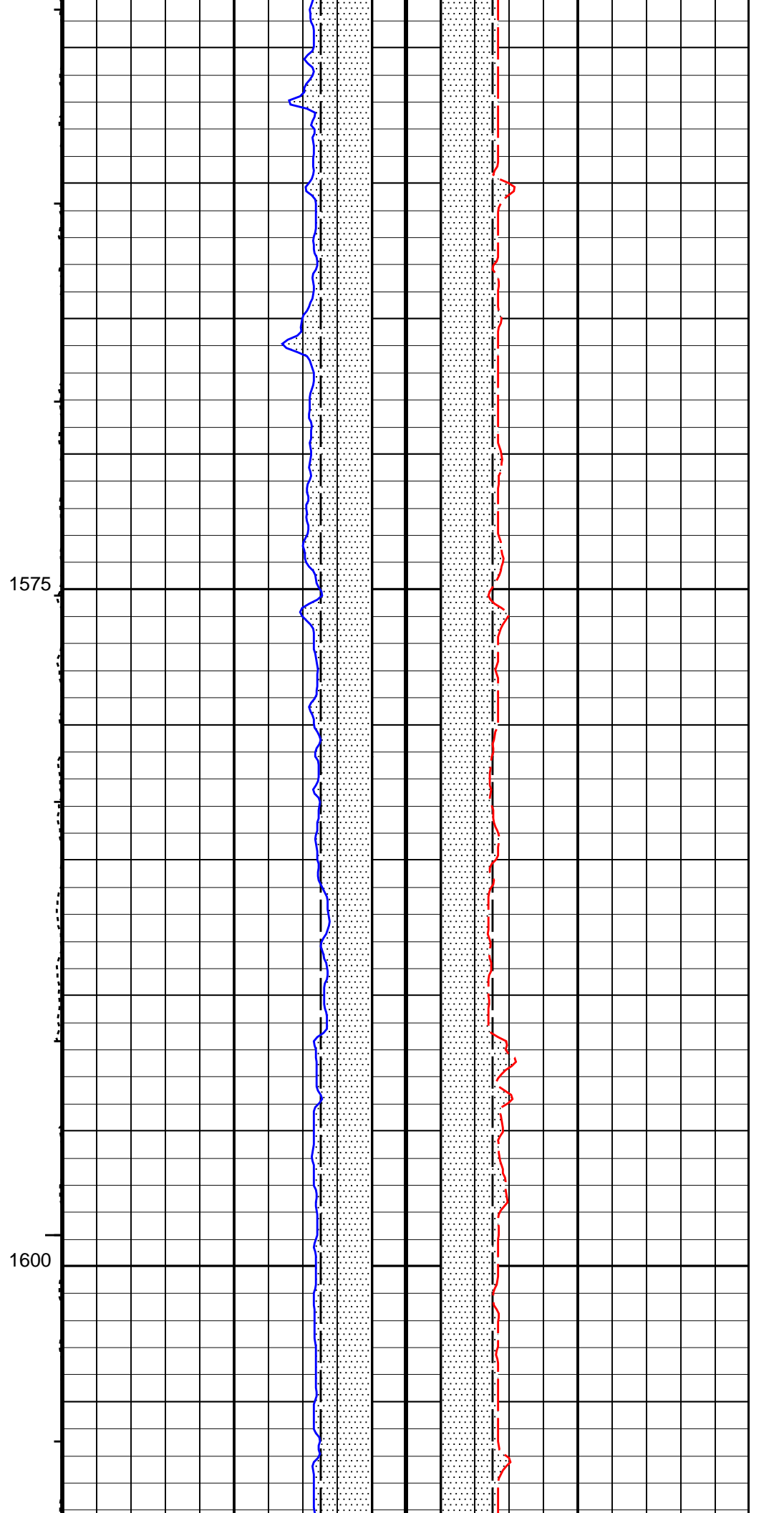
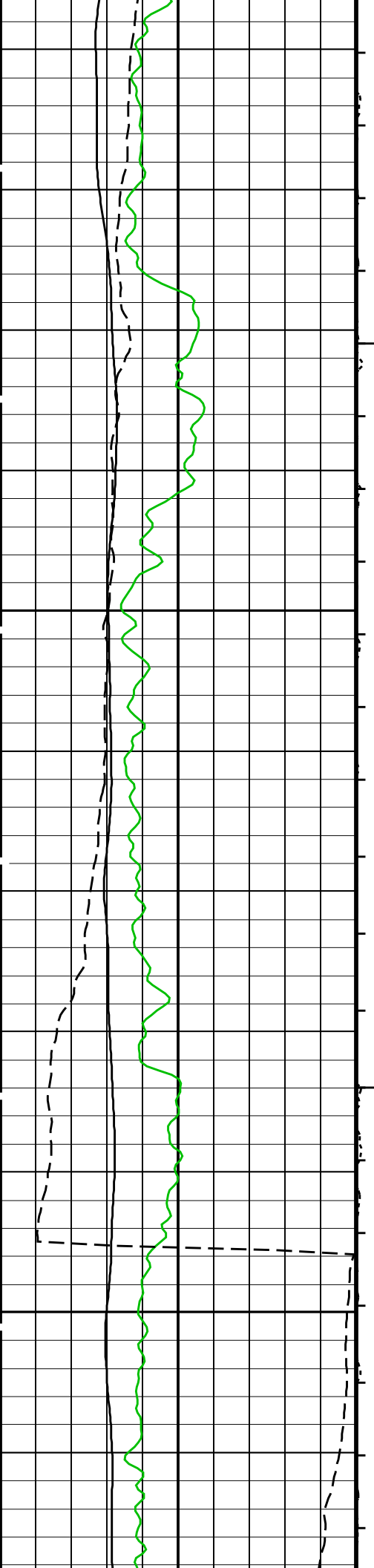
OP System Version: 11C0-305			
MCM			
FBST-B	11C0-305	SGT-N	11C0-305
DTC-H	11C0-305		

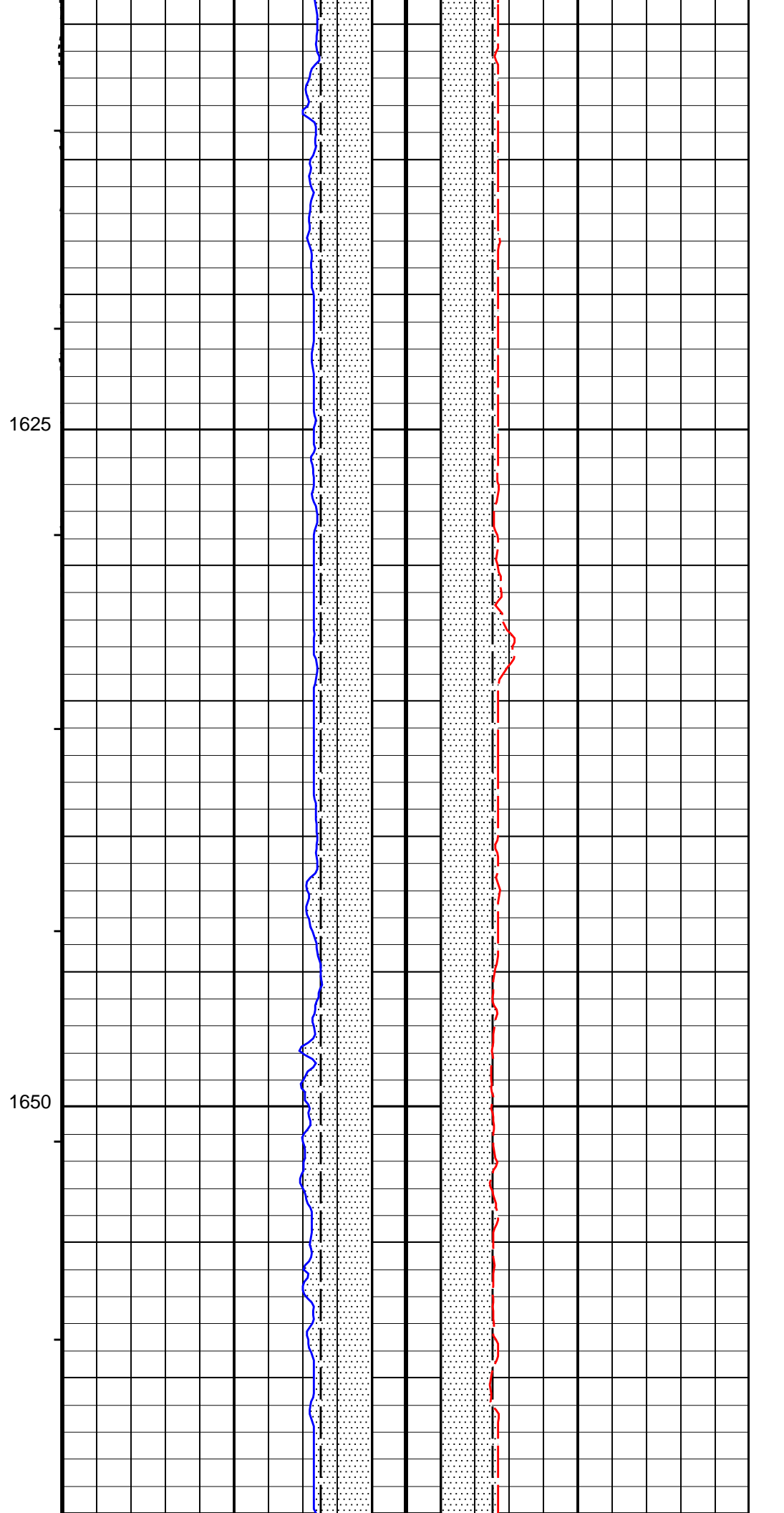
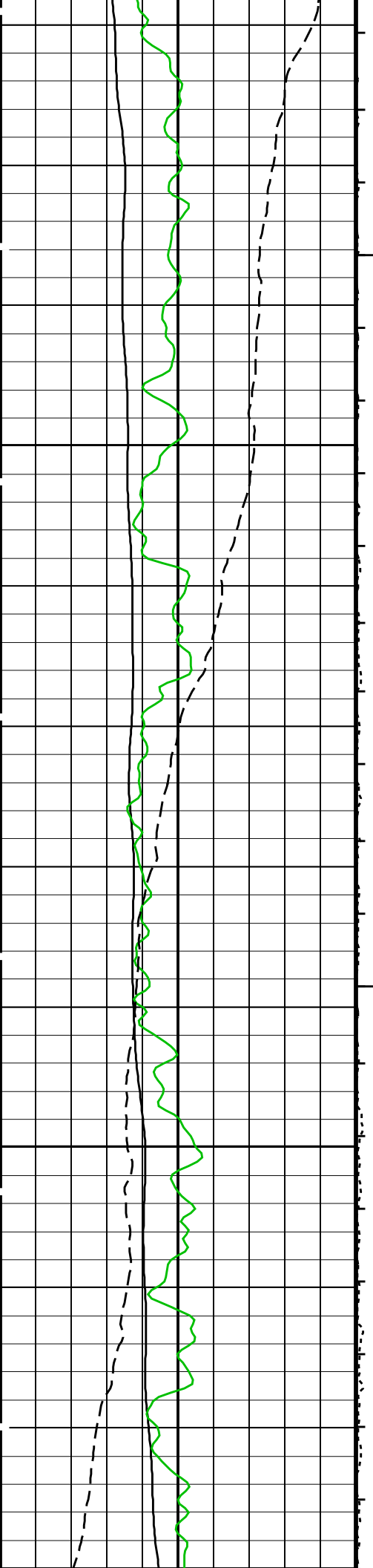
PIP SUMMARY	
└ Integrated Hole Volume Minor Pip Every 0.1 M3	
└ Integrated Hole Volume Major Pip Every 1 M3	
└ Integrated Cement Volume Minor Pip Every 0.1 M3	
└ Integrated Cement Volume Major Pip Every 1 M3	
Time Mark Every 60 S	

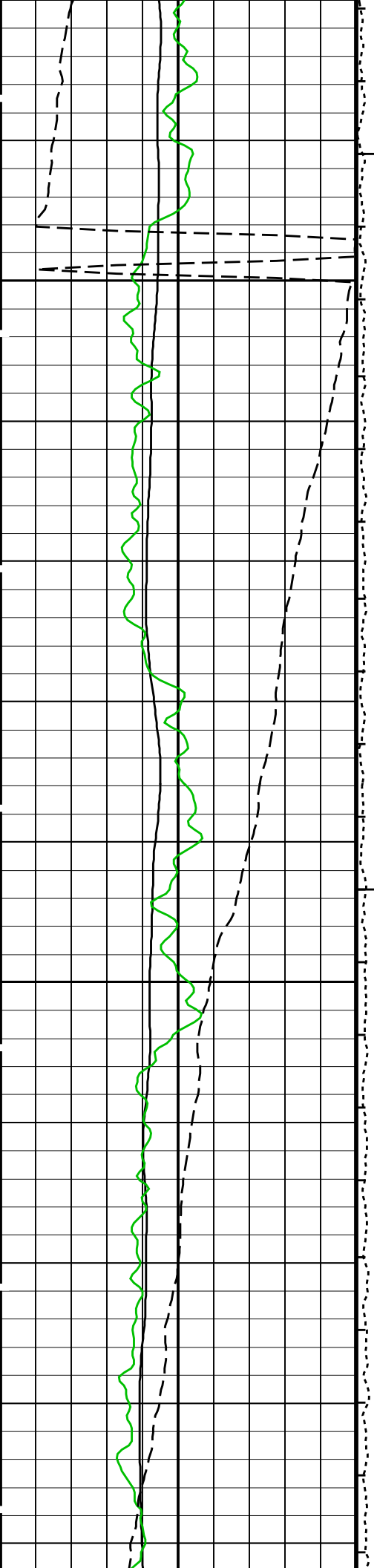






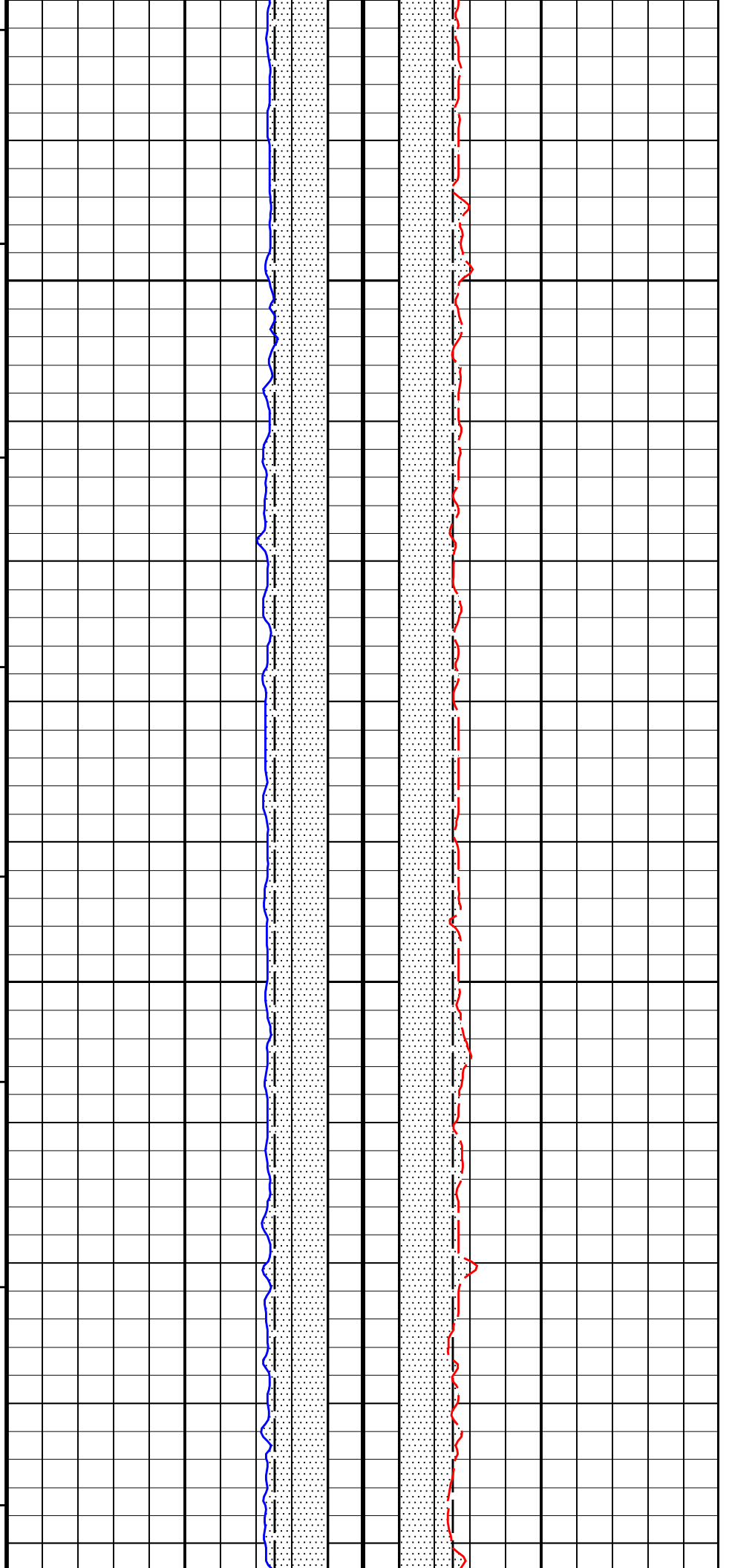


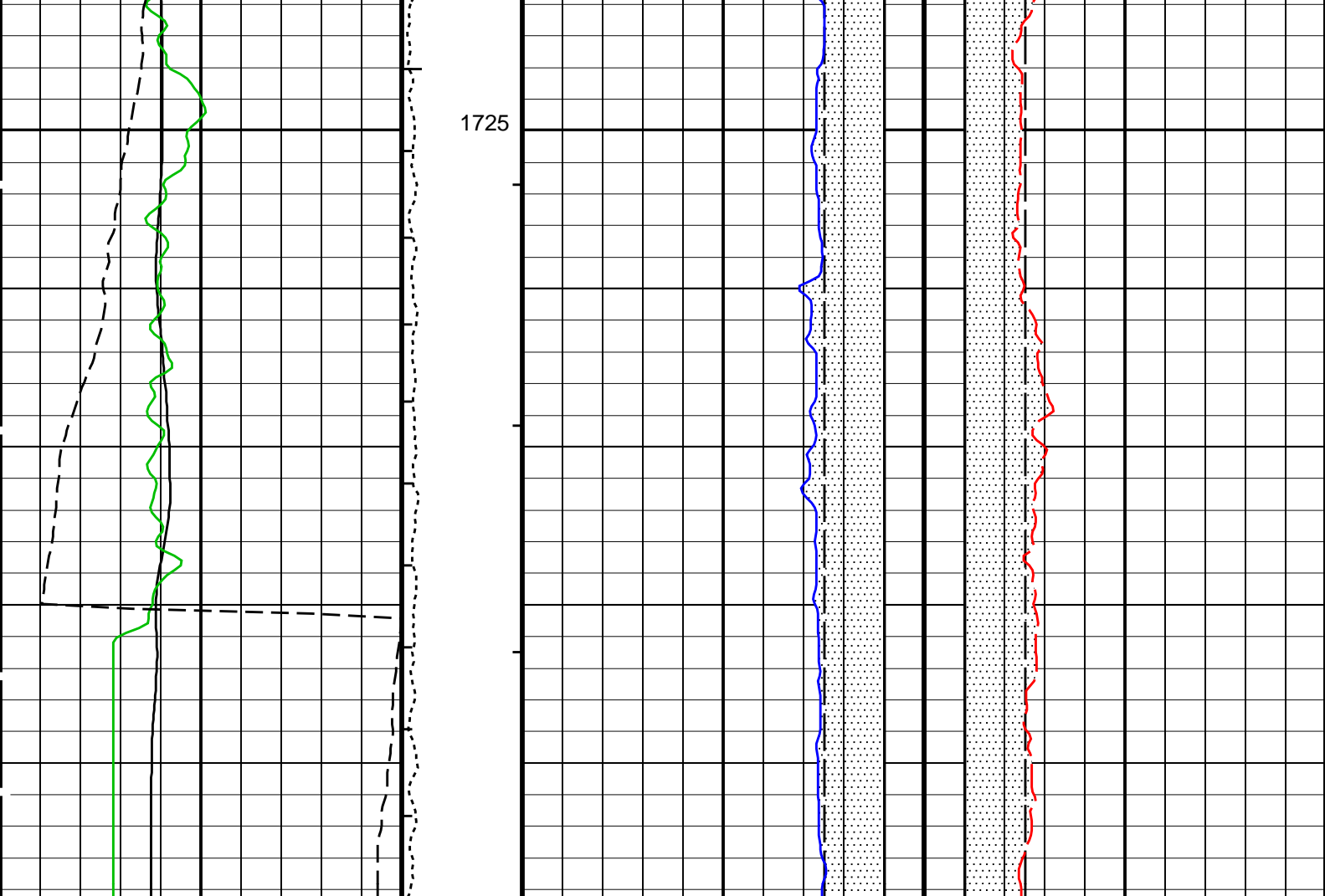




1675

1700





Deviation (DEVIM) (DEG)		Tension (TENS) (LBF)		Bit Size (BS) (IN)		Bit Size (BS) (IN)	
-1		0		16		16	
9		2000		6		6	
Gamma Ray (GR) (GAPI)		Caliper 2 (C2) (IN)		Caliper 1 (C1) (IN)			
0		16		6		16	
200							
Relative Bearing (RB_FBST) (DEG)		FUTURE_CASING_DIAMETER (FCD) (IN)		FUTURE_CASING_DIAMETER (FCD) (IN)			
-40		16		6		16	
360							
		Over Casing Size From C2 to FCD_1		Over Casing Size From FCD to C1			
		Under Casing Size From FCD_1 to C2		Under Casing Size From C1 to FCD			

PIP SUMMARY	
└ Integrated Hole Volume Minor Pip Every 0.1 M3	
└ Integrated Hole Volume Major Pip Every 1 M3	
└ Integrated Cement Volume Minor Pip Every 0.1 M3	
└ Integrated Cement Volume Major Pip Every 1 M3	
Time Mark Every 60 S	

Format: BGT_format	Vertical Scale: 1:200	Graphics File Created: 25-Dec-2003 10:08
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OP System Version: 11C0-305			
MCM			
FBST-B	11C0-305	SGT-N	11C0-305
DTC-H	11C0-305		

Input DLIS Files					
DEFAULT	FMI_045PUP	FN:63	PRODUCER	25-Dec-2003 09:51	1749.2 M
					1422.8 M

Output DLIS Files

CUSTOMER FMI_047PUC

FN:65 CUSTOMER 25-Dec-2003 10:08

Schlumberger

Calibrations

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Full-Bore Scanner – B Wellsite Calibration – Caliper Calibration							
Before: 24-Dec-2003 12:45							
Caliper 1 Small Jig	8.000	N/A	7.617	N/A	N/A	N/A	IN
Caliper 2 Small Jig	8.000	N/A	7.833	N/A	N/A	N/A	IN
Caliper 1 Large Jig	12.00	N/A	11.39	N/A	N/A	N/A	IN
Caliper 2 Large Jig	12.00	N/A	11.58	N/A	N/A	N/A	IN
Full-Bore Scanner – B Wellsite Calibration – CROUZET ACCELEROMETER PROM HAS BEEN READ CORRECTLY							
Before: 24-Dec-2003 12:42							
TEMPERATURE REFERENCE :	N/A	N/A	20	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	98	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	1	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	682	N/A	N/A	N/A	
Full-Bore Scanner – B Wellsite Calibration – CROUZET MAGNETOMETER PROM HAS BEEN READ CORRECTLY							
Before: 24-Dec-2003 12:42							
TEMPERATURE REFERENCE :	N/A	N/A	22	N/A	N/A	N/A	DEGC
YEAR OF CALIBRATION :	N/A	N/A	98	N/A	N/A	N/A	
MONTH OF CALIBRATION :	N/A	N/A	1	N/A	N/A	N/A	
SERIAL NUMBER :	N/A	N/A	366	N/A	N/A	N/A	
Scintillation Gamma-Ray – N Wellsite Calibration – Detector Calibration							
Before: 24-Dec-2003 12:51							
Gamma Ray (Jig – Bkg)	163.1	N/A	163.1	N/A	N/A	14.83	GAPI
Gamma Ray (Calibrated)	162.0	N/A	162.0	N/A	N/A	15.00	GAPI

Full-Bore Scanner – B / Equipment Identification

Primary Equipment:



FullBore Scanner Sonde	FBSS – B	781	Red
FullBore Scanner Sonde Upper part	FBSH – A	848	Red
FullBore Scanner Sonde Cartridge	FBSC – B	848	Red
GPIT Cartridge – C	GPIC – C	777	Red
Insulating Sub	AH – 185	870	Red
FullBore Scanner Control Cartridge	FBCC – AB	835	Red



Auxiliary Equipment:

Electronics Cartridge Housing	ECH – MRA	4847	Red
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Full-Bore Scanner – B Wellsite Calibration

Caliper Calibration

Phase	Caliper 1 Small Jig IN	Value	Phase	Caliper 2 Small Jig IN	Value
Before		7.617	Before		7.833
	6.800 (Minimum)	8.000 (Nominal)		6.800 (Minimum)	8.000 (Nominal)
		9.200 (Maximum)			9.200 (Maximum)
Phase	Caliper 1 Large Jig IN	Value	Phase	Caliper 2 Large Jig IN	Value

Phase	Caliper 1 Large Sig. IN			Value	Phase	Caliper 2 Large Sig. IN			Value
Before				11.39	Before				11.58
	10.20 (Minimum)	12.00 (Nominal)	13.80 (Maximum)			10.20 (Minimum)	12.00 (Nominal)	13.80 (Maximum)	
Before: 24-Dec-2003 12:45									




Scintillation Gamma-Ray – N / Equipment Identification

Primary Equipment:

Scintillation Gamma Cartridge SGC – TB 10048 Red
Scintillation Gamma Detector SGD – TAA Red

Auxiliary Equipment:

Scintillation Gamma Housing SGH – K Red
Gamma Source Radioactive GSR – U/Y 2001 Red

Scintillation Gamma-Ray – N Wellsite Calibration														
Detector Calibration														
Phase	Gamma Ray Background GAPI			Value	Phase	Gamma Ray (Jig – Bkg) GAPI			Value	Phase	Gamma Ray (Calibrated) GAPI			Value
Before				25.79	Before				163.1	Before				162.0
	0 (Minimum)	30.00 (Nominal)	120.0 (Maximum)		148.3 (Minimum)	163.1 (Nominal)	178.0 (Maximum)		147.0 (Minimum)	162.0 (Nominal)	177.0 (Maximum)			
Before: 24-Dec-2003 12:51														

Company: **LAKES OIL N.L**

Schlumberger

Well: **Wombat 1**

Field: **Wildcat**

Rig: **Hunt #2**

Country: **Australia**

FMI Dipmeter
Field Print
1:200 Scale