

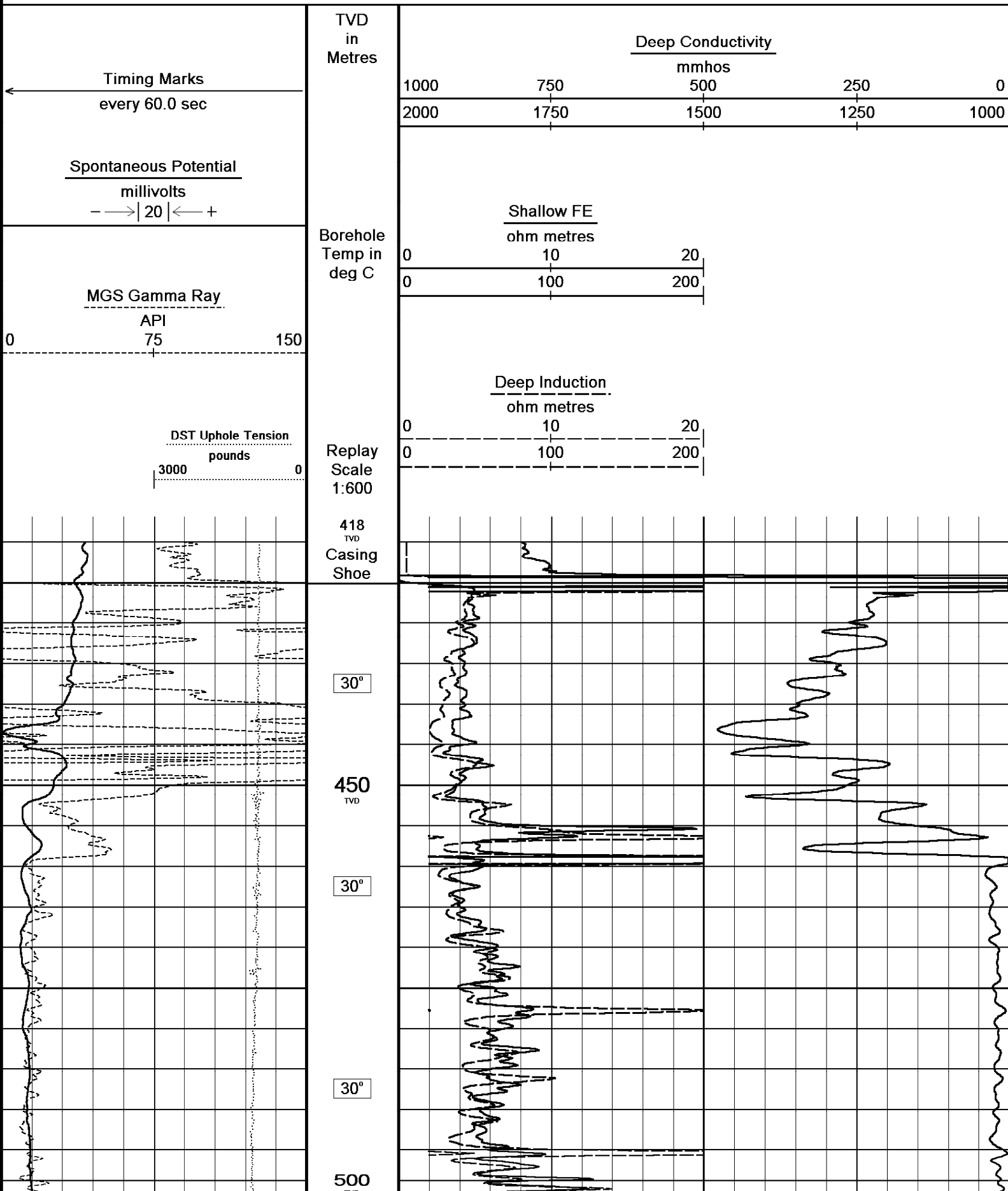
TRUE VERTICAL DEPTH ARRAY INDUCTION

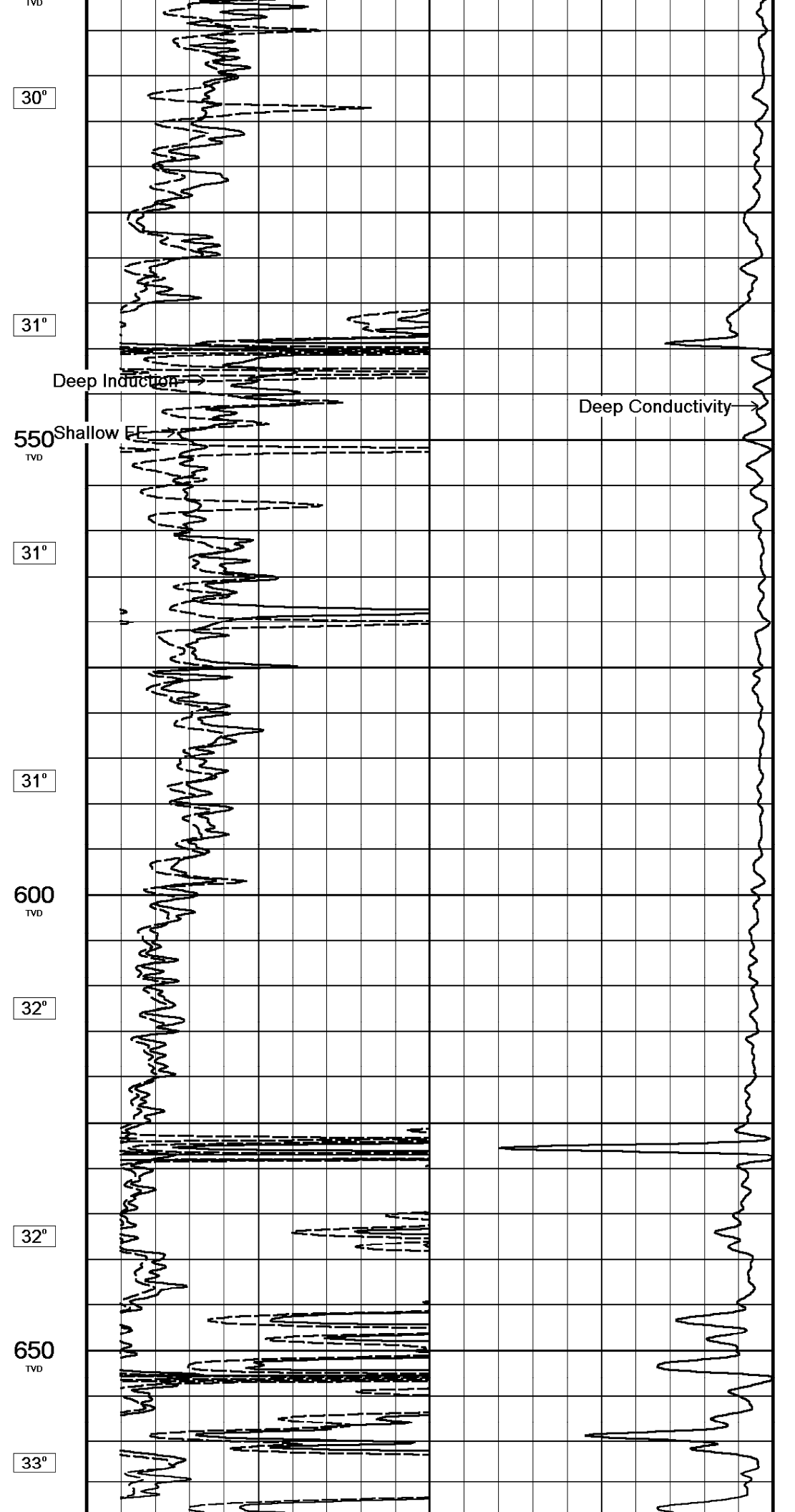
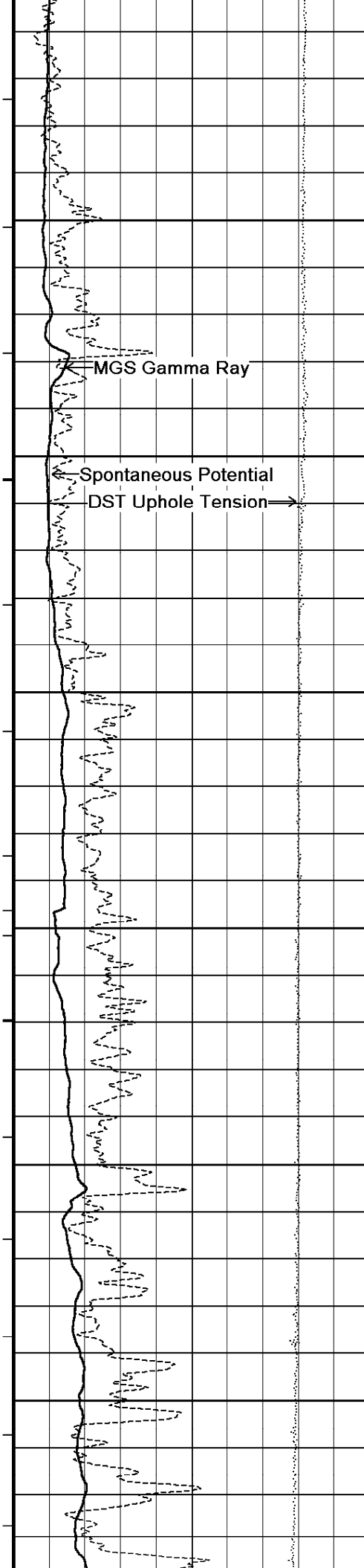
COMPANY				PARAMOUNT RESOURCES LTD.			
WELL				PARA ET AL CAMERON L40			
FIELD				CAMERON HILLS			
PROVINCE				NORTHWEST TERRITORIES			
COUNTRY				CANADA			
LOCATION				300L406010117300			
				COMPACT		FINAL PRINT	
LSD	SEC	TWP	RGE	Other Services			
API Number		Permit Number 2045		COMPENSATED SONIC MICROLOG		PHOTO DENSITY	
Permanent Datum OUND LEVEL, Elevation 684.70 metres				DUAL SPACED NEUTRON			
Log Measured From 5.4 Mabove Permanent Datum							
Drilling Measured From KELLY BUSHING							
Date	24-JAN-2007					Elevations: KB 690.10 metres DF 684.70 metres GL	
Run Number	1						
Depth Driller	1437.20			metres			
Depth Logger	1437.50			metres			
First Reading	1436.20			metre			
Last Reading	425.10			metre			
Casing Driller	425.00			metres			
Casing Logger	425.10			metres			
Bit Size	200.00			mm			
Hole Fluid Type	GELCHEM						
Density / Viscosity	1110.0 kg/M3			85.00 sec/L			
PH / Fluid Loss	10.00			13.00 ml/30Min			
Sample Source	FLOWLINE						
Rm @ Measured Temp	0.60 @ 25.0			ohm-m			
Rmf @ Measured Temp	0.41 @ 25.0			ohm-m			
Rmc @ Measured Temp	0.83 @ 25.0			ohm-m			
Source Rmf / Rmc	PRESS			FILTER			
Rm @ BHT	0.40 @ 48.0			ohm-m			
Time Since Circulation	6 HRS						
Max Recorded Temp	48.00			deg C			
Equipment Name	3424						
Equipment / Base	QUINT			GPR			
Recorded By	M. SURKA / M. BONNELL						
Witnessed By	B. POWELL						
CIRC. STOP	12.45 JAN 24					Last Line	

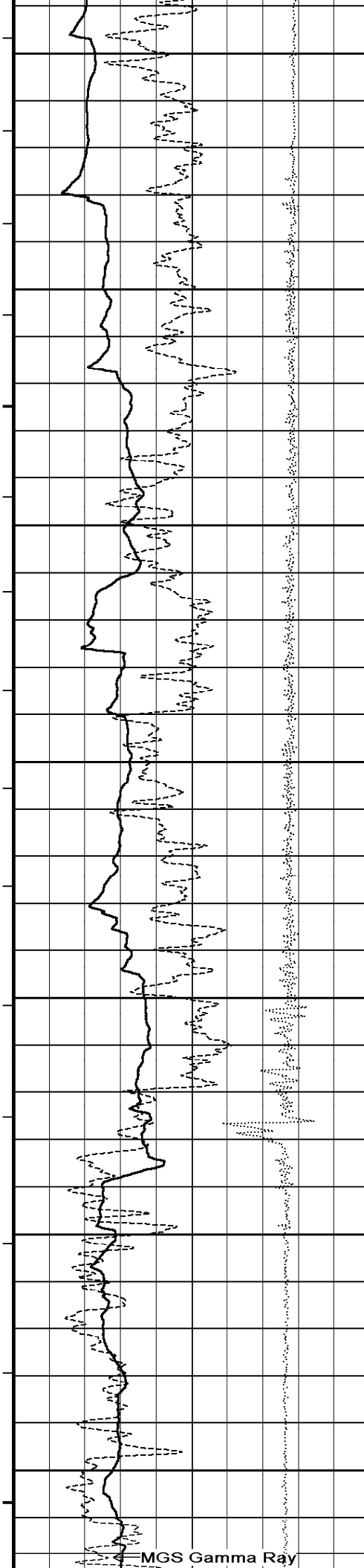
BOREHOLE RECORD				Last Edited: 24-JAN-2007 18:55
Bit Size millimetres	Depth From metres		Depth To metres	
311.000	0.00		425.00	
200.000	425.00		1453.00	
CASING RECORD				
Type	Size millimetres	Depth From metres	Shoe Depth metres	Weight pounds/ft
SURFACE	219.100	0.00	425.00	24.00

REMARKS
1) SOFTWARE ISSUE: WLS 7.01.0195
2) CUSTOMER SCALES AND INTERVALS LOGGED.
3) MAI, MSS, MPD, MDN, MMR, ISC, MGS, MTC, MCG RAN IN COMBINATION.
4) HARDWARE: MAI: TWO 25.4 MM STANDOFFS MDN: DUAL NEUTRON BOWSPRING MTC: ONE SIX-LEAF CENTRALIZER MSS: THREE 25.4 MM STANDOFFS
5) SAP# 4145923 # FIELD PRINTS = 2
6) RIG: PD 220
7) HOLE_CEMENT VOLUMES CALCULATED USING DENSITY CALIPER AND TWO ARM CALIPER IN COMBINATION : HOLE VOLUME = 39.4 CU.M. ANNULAR VOLUME USING 139.7 MM PRODUCTION CASING = 23.8 CU.M
8) SONIC FREE PIPE SIGNAL FOUND FROM 305-318M.
9) MAXIMUM DEVAITION OF 12.3 DEGREES AT 1230.7 M

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







34°

700
TVD

34°

35°

750
TVD

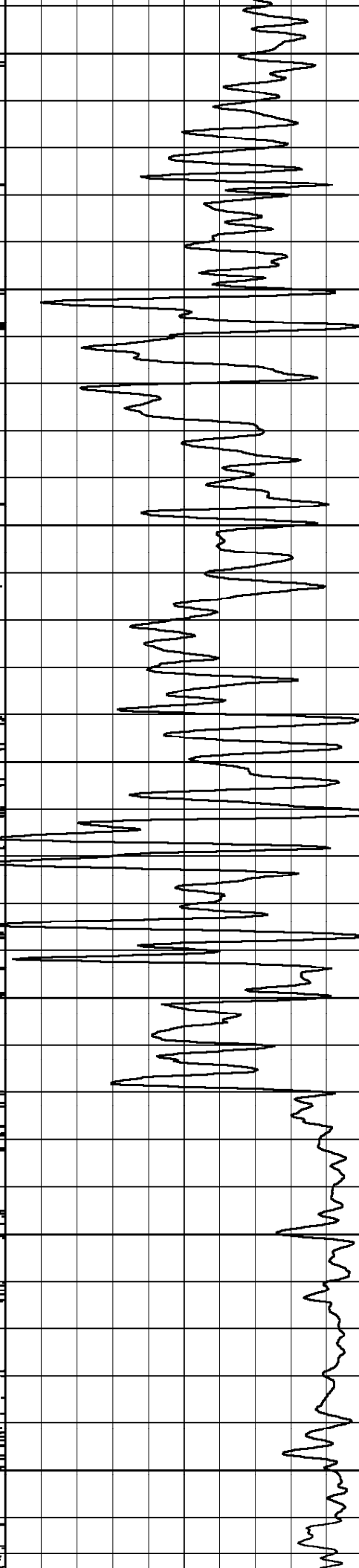
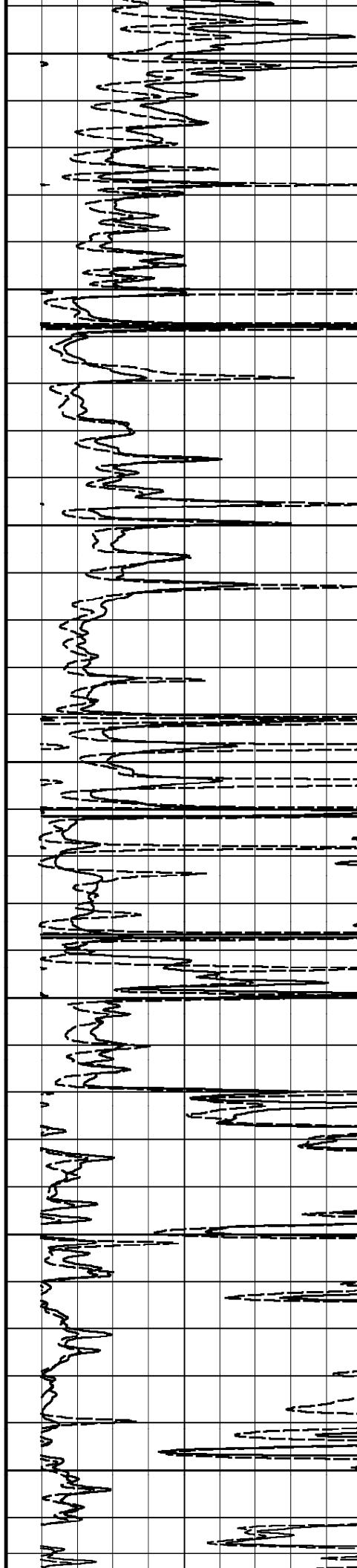
35°

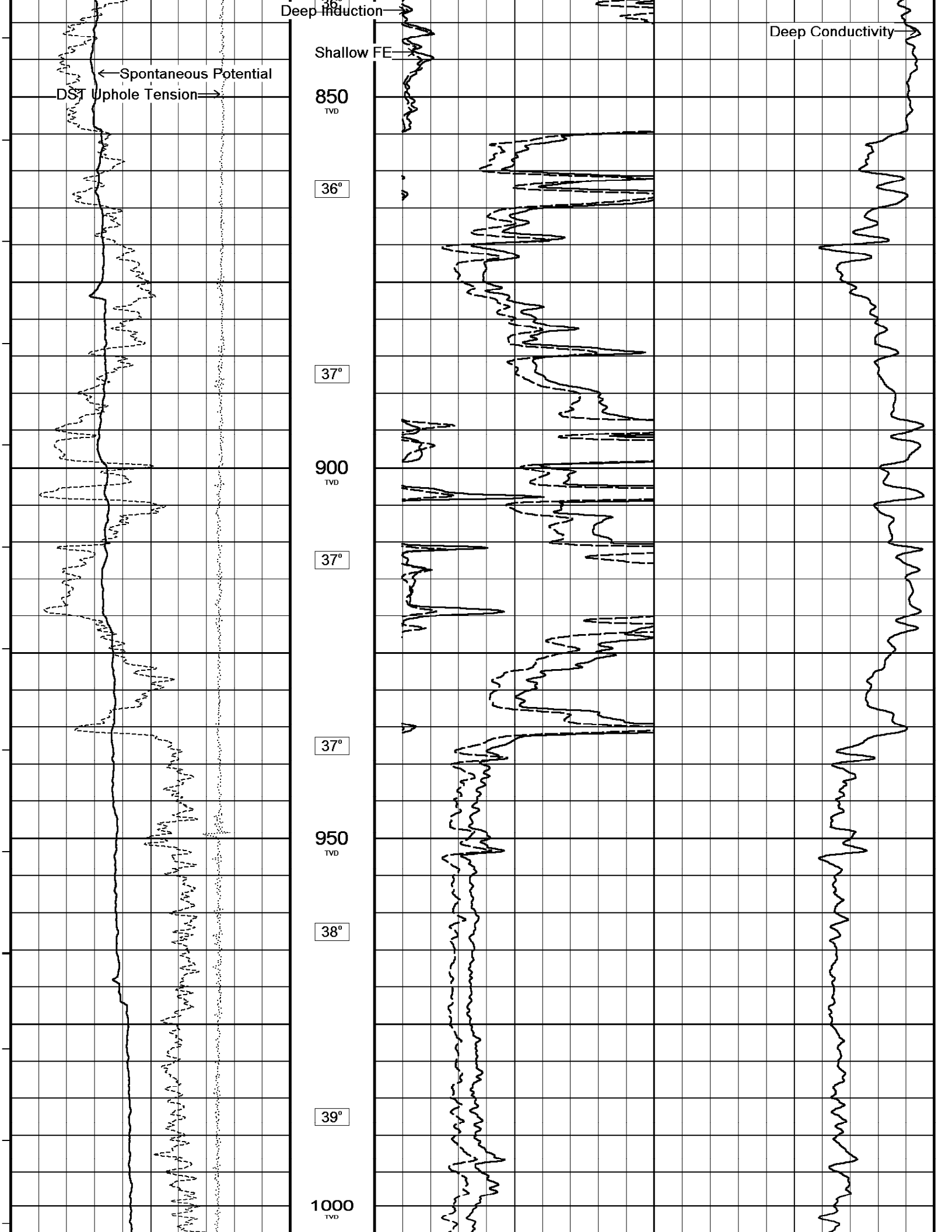
35°

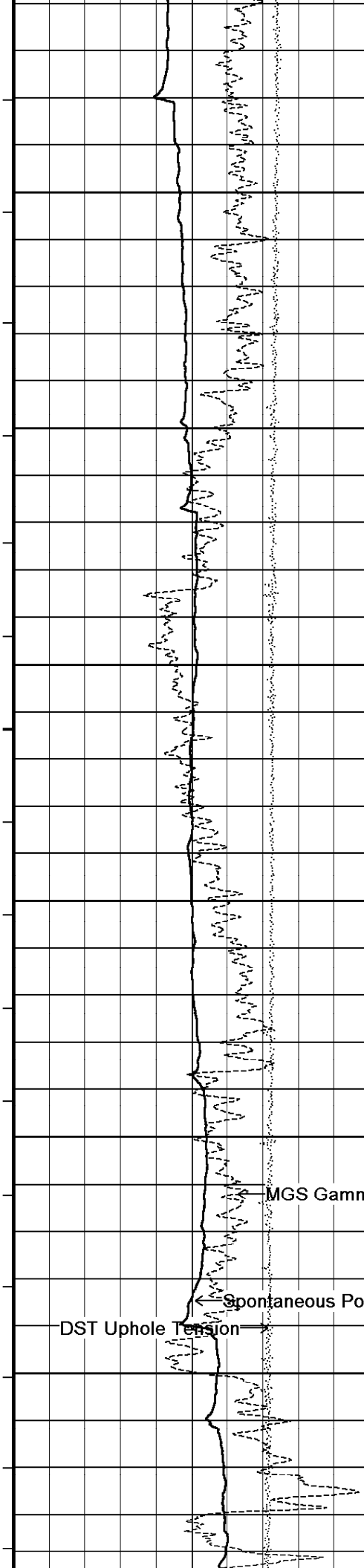
800
TVD

36°

36°







39°

40°

1050
TVD

41°

41°

1100
TVD

42°

MGS Gamma Ray

42°

1150
TVD

43°

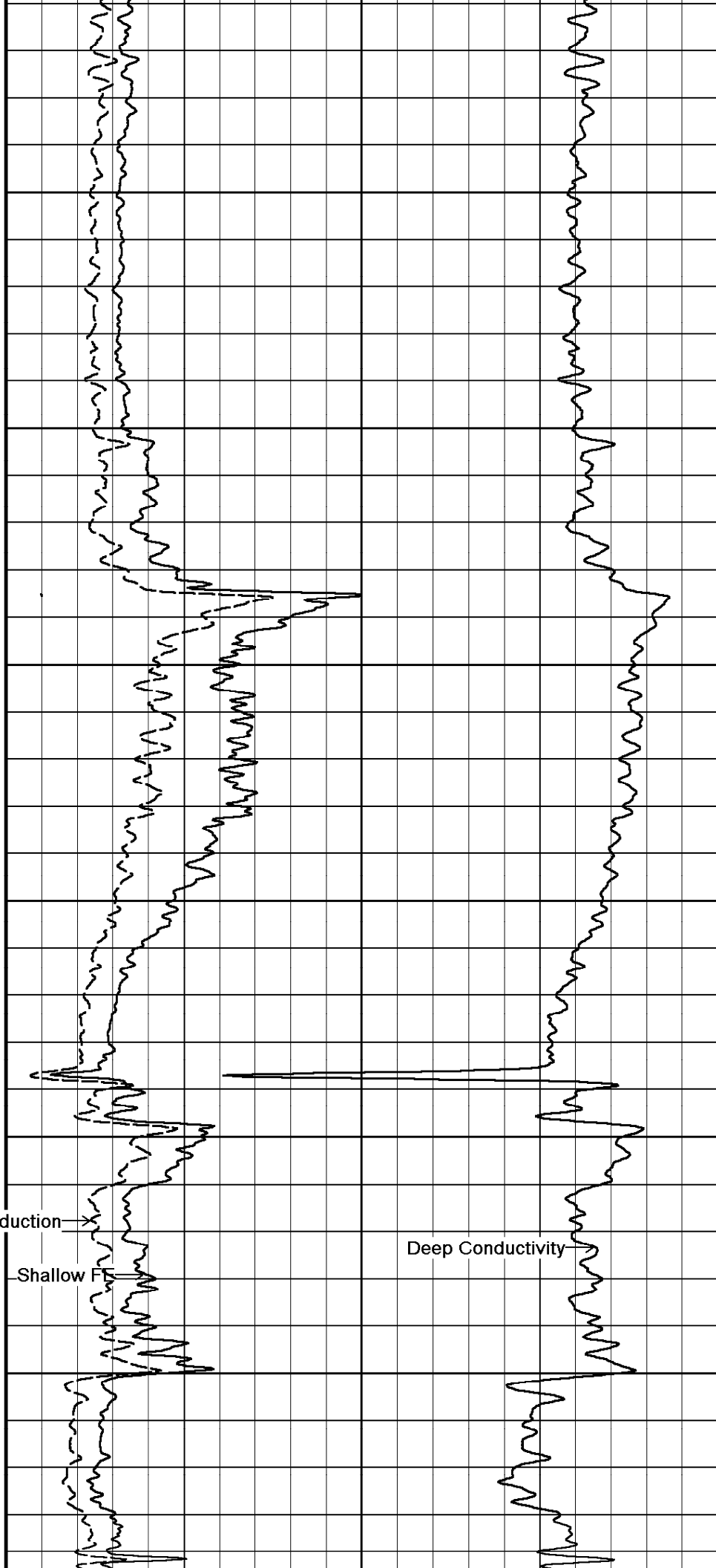
DST Uphole Tension

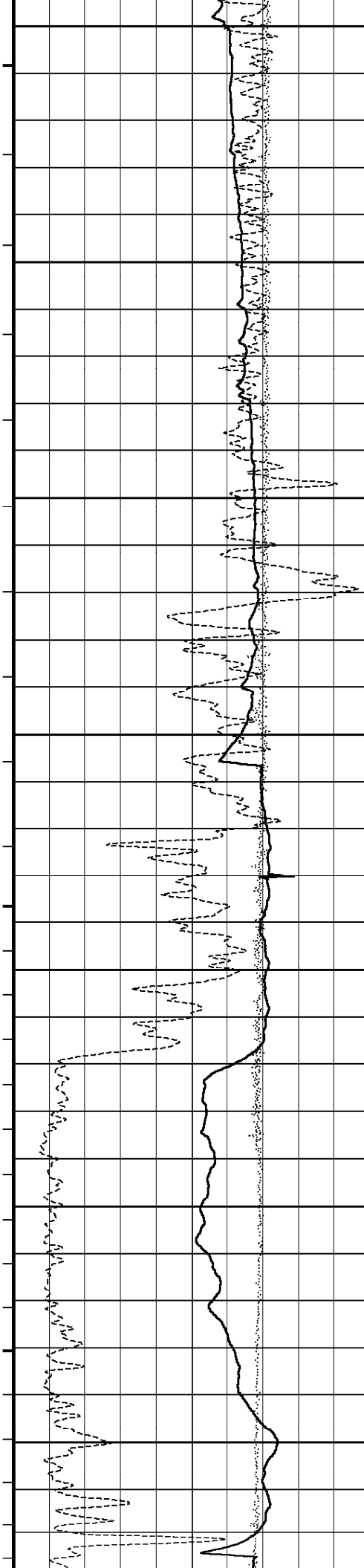
Spontaneous Potential

Deep Induction

Shallow F

Deep Conductivity





44°

1200
TVD

44°

45°

1250
TVD

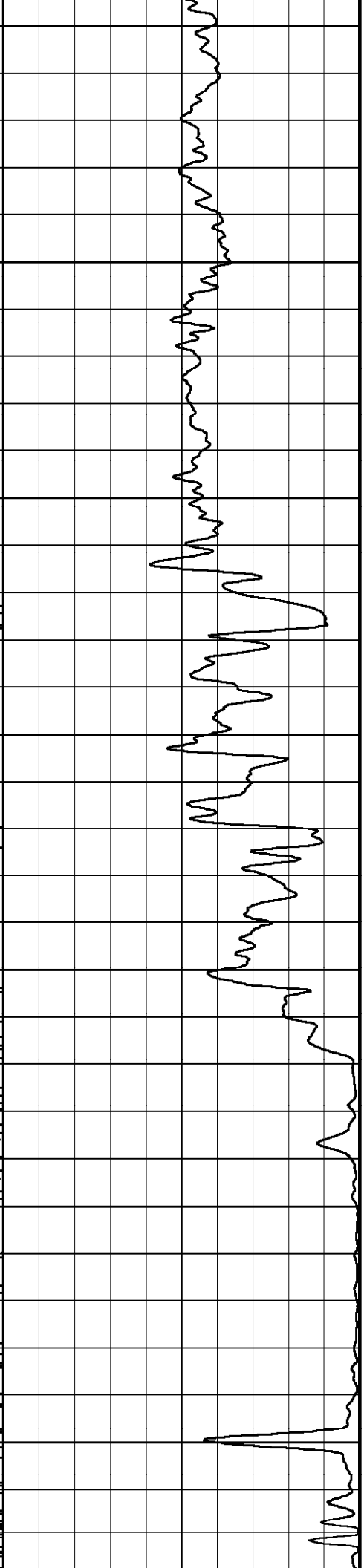
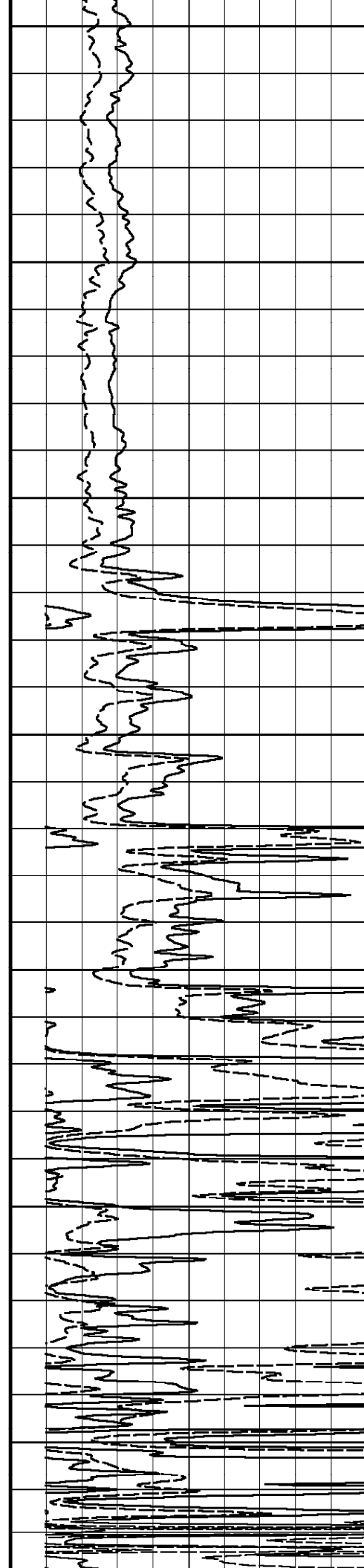
45°

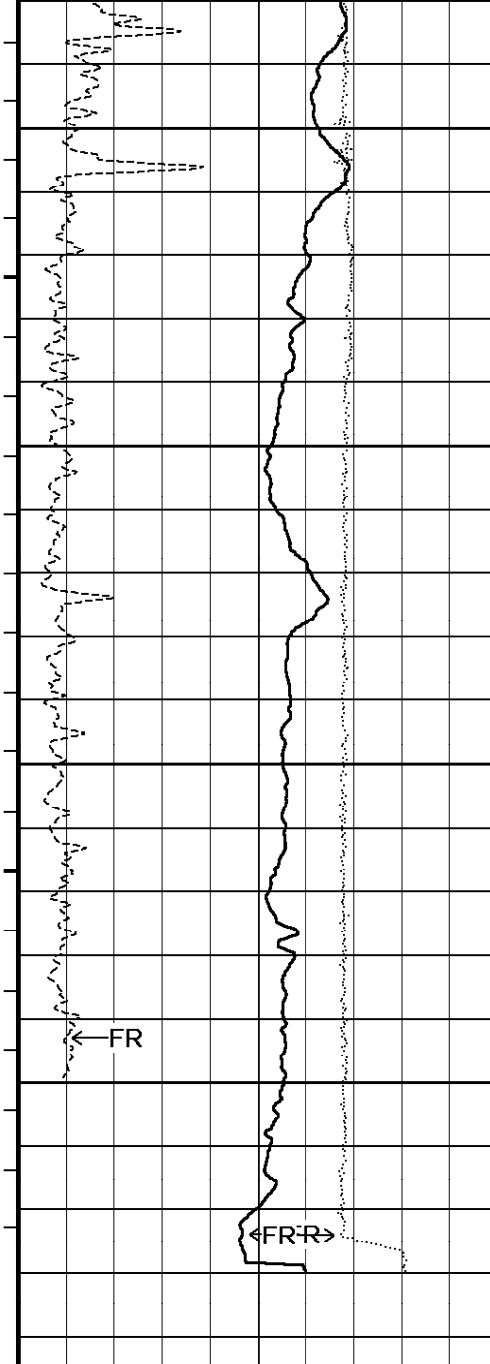
46°

1300
TVD

47°

47°





1350
TVD

48°

48°

1400
TVD

48°

1446
TVD
in
Metres

Timing Marks
every 60.0 sec

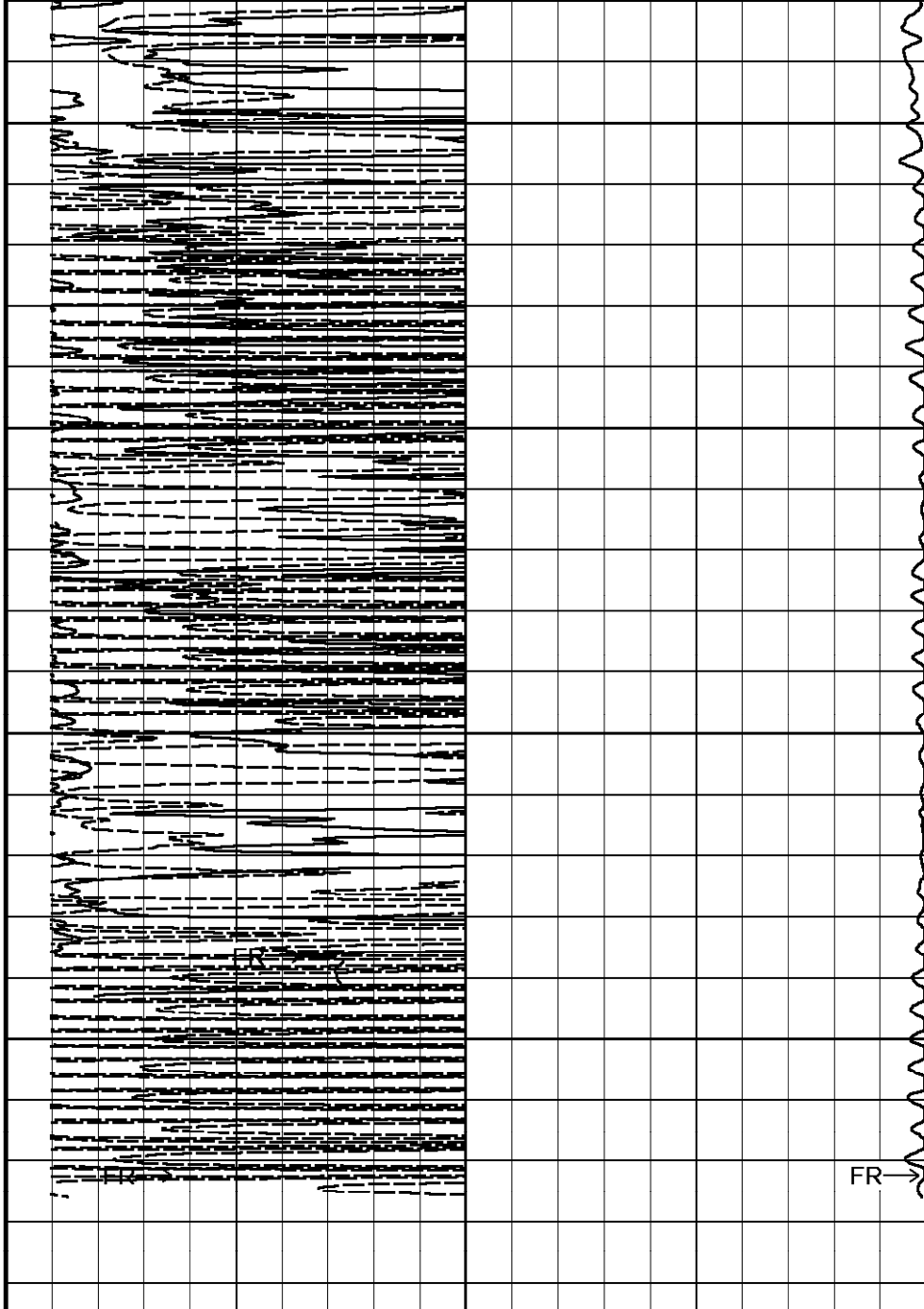
Spontaneous Potential
millivolts
- -> | 20 | <- +

MGS Gamma Ray
API
0 75 150

DST Uphole Tension
pounds
3000 0

Borehole
Temp in
deg C

Replay
Scale
1:600



Deep Conductivity

mmhos

1000	750	500	250	0
2000	1750	1500	1250	1000

Shallow FE

ohm metres

0	10	20
0	100	200

Deep Induction

ohm metres

0	10	20
0	100	200

↑

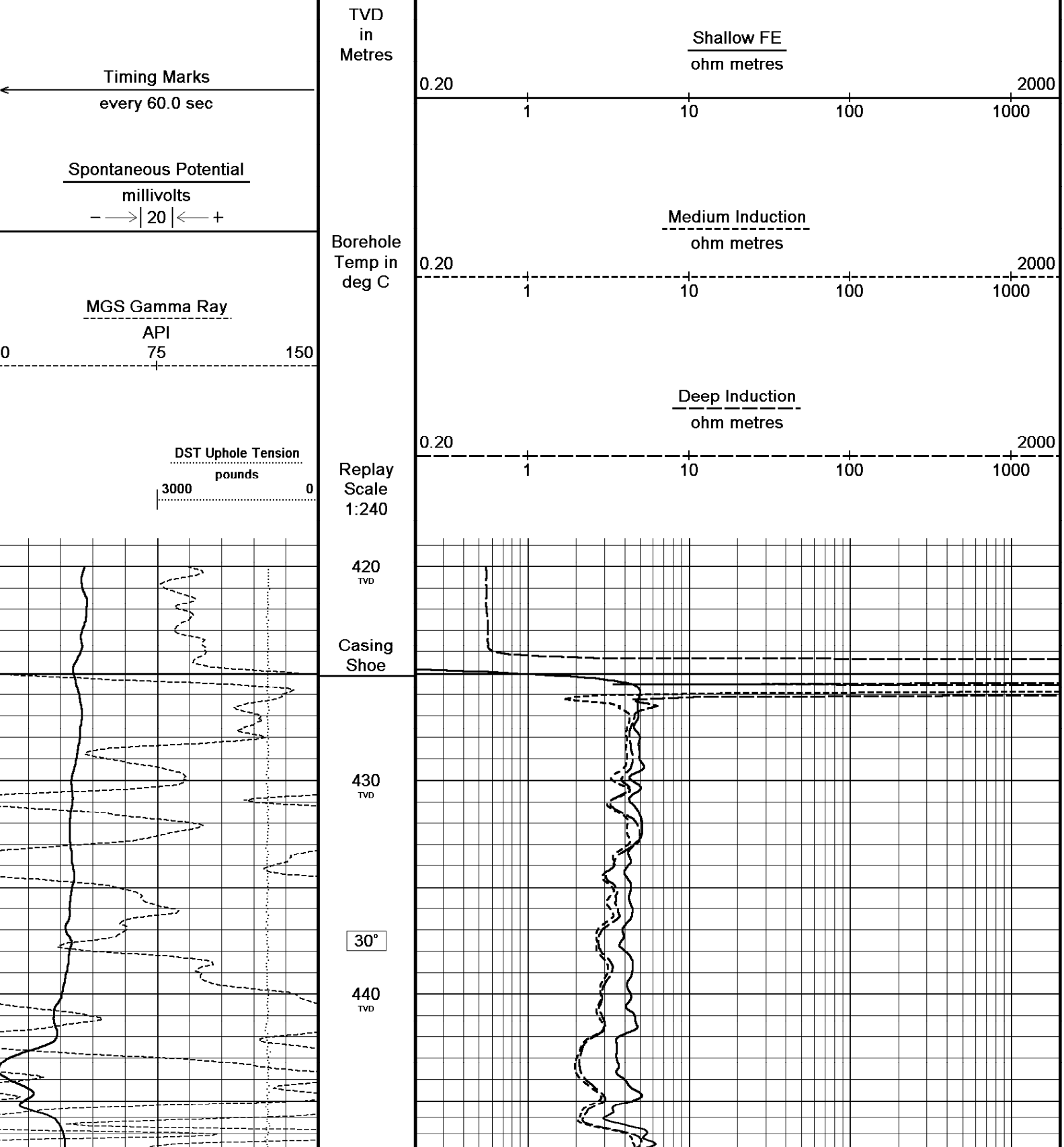
MAIN LOG 1:600

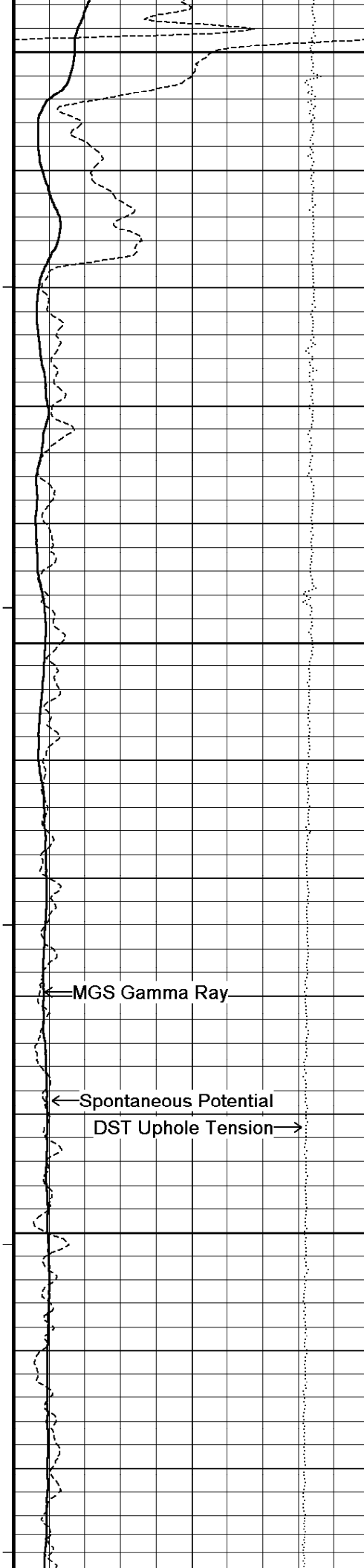
↑

↓

MAIN LOG 1:240

↓





450
TVD

460
TVD

30°

470
TVD

480
TVD

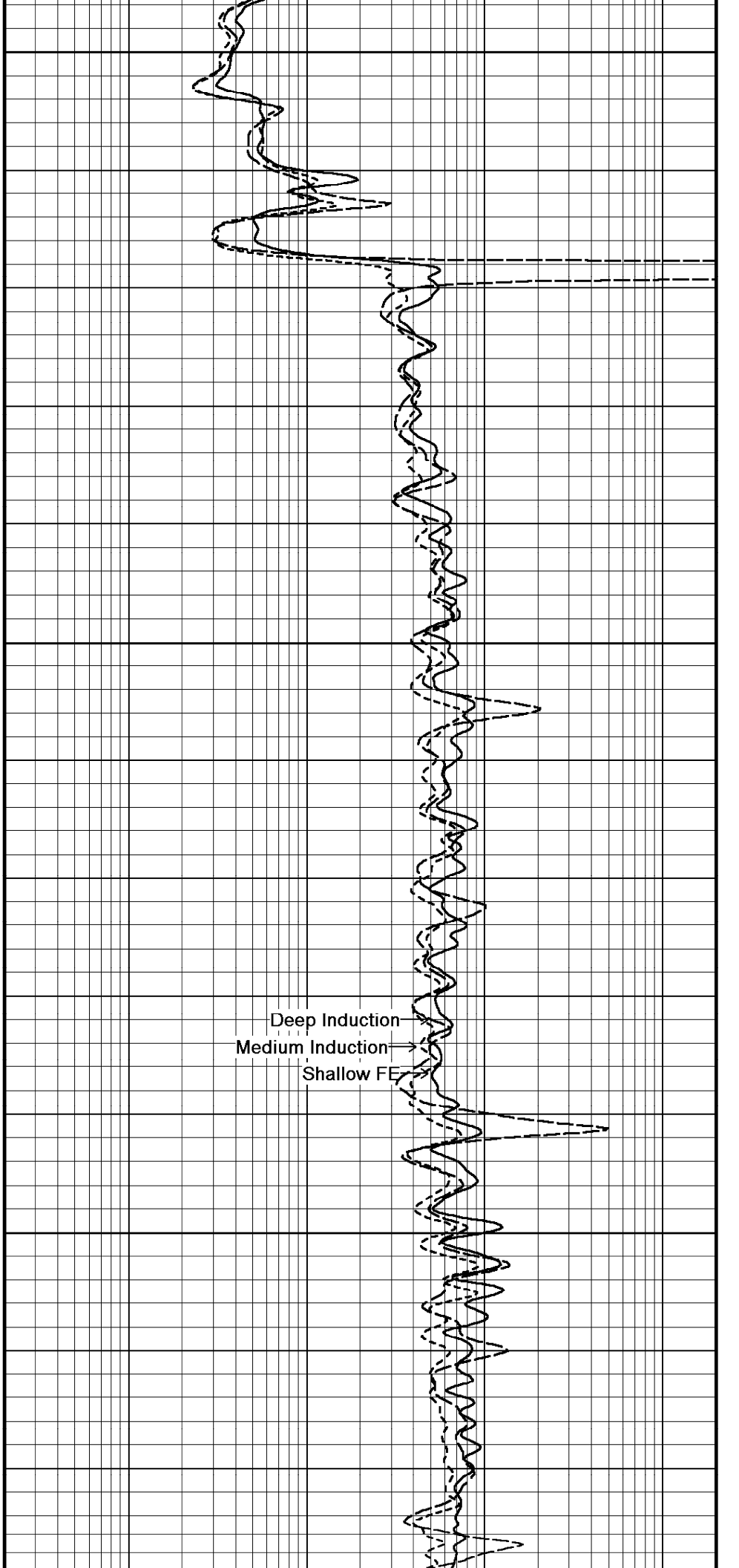
30°

490
TVD

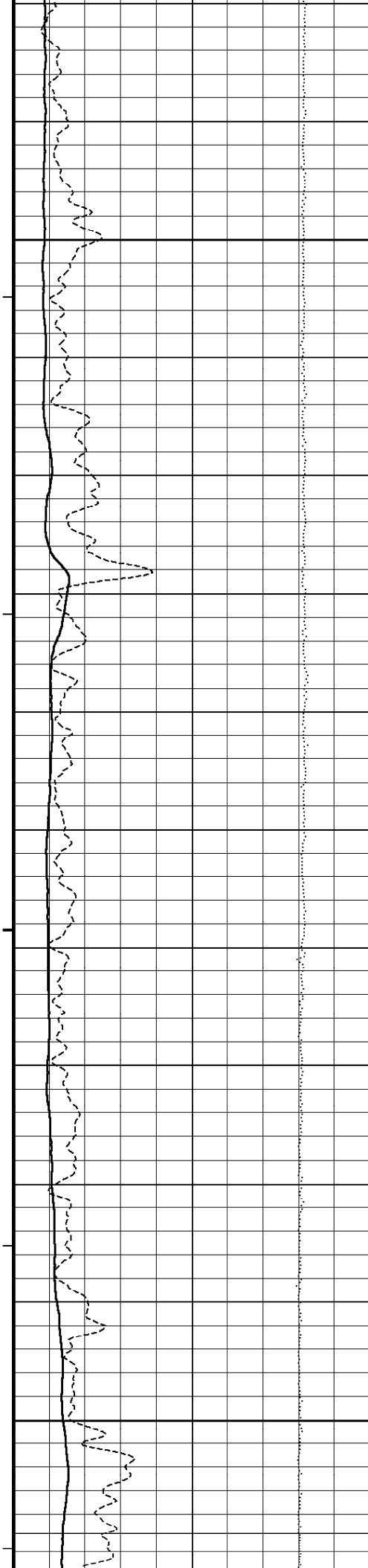
500
TVD

510
TVD

30°



Deep Induction
Medium Induction
Shallow FE



520
TVD

530
TVD

31°

540
TVD

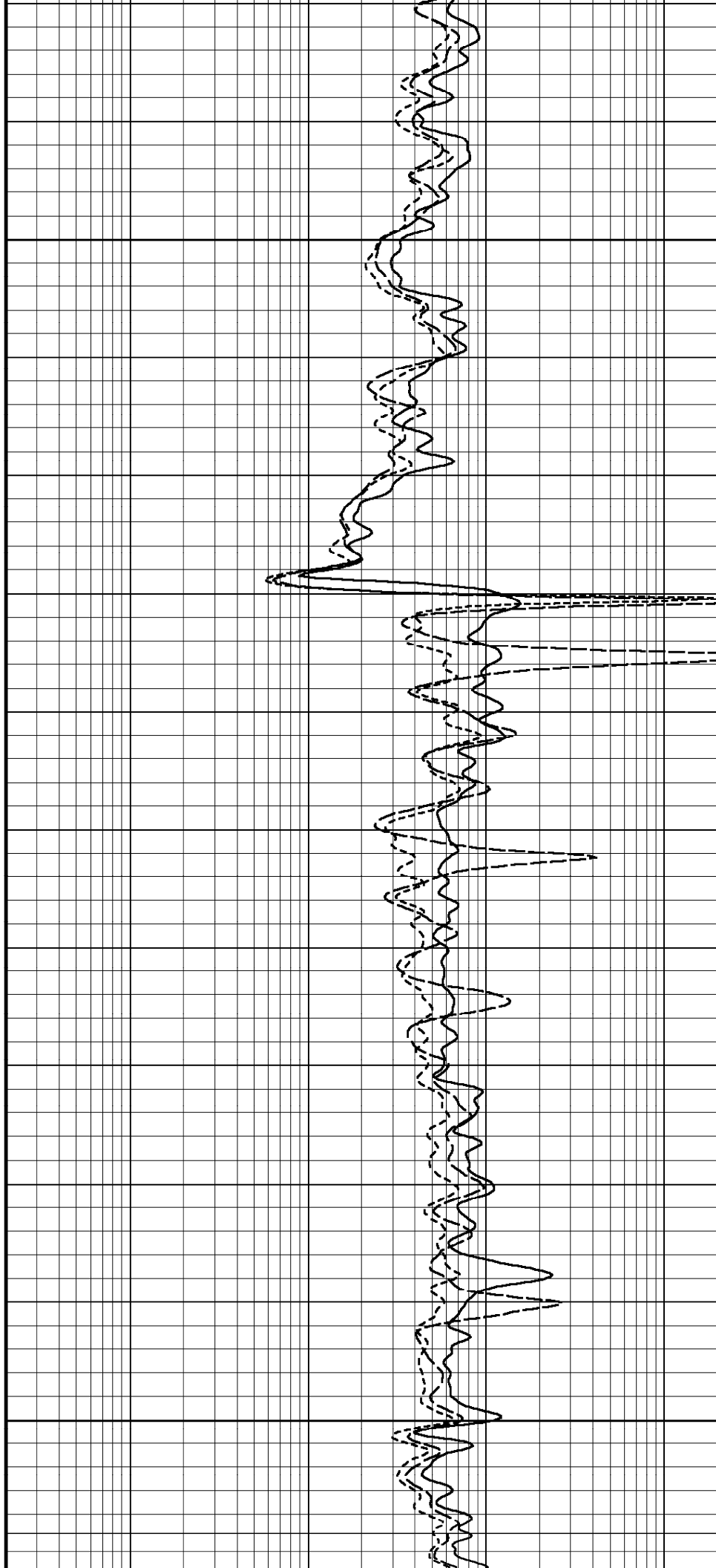
550
TVD

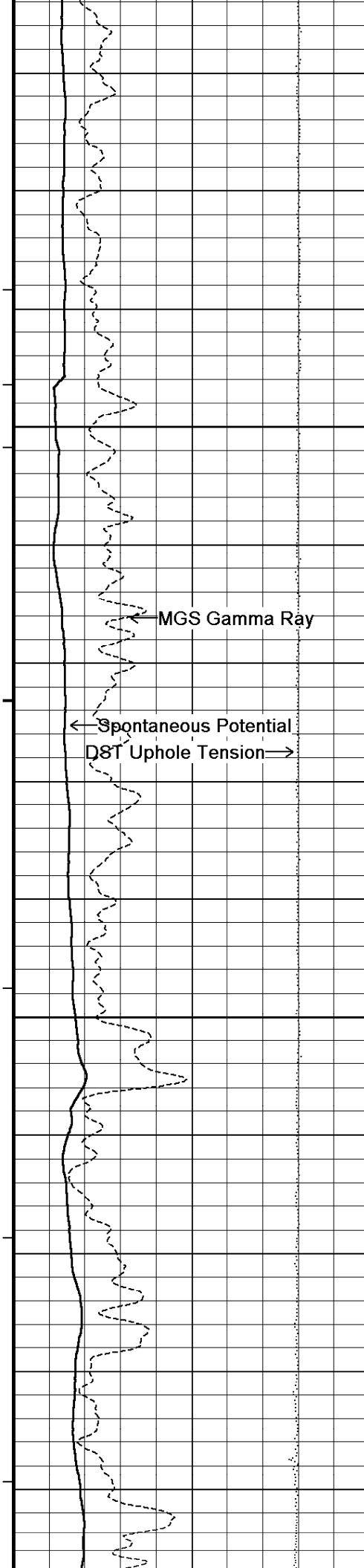
560
TVD

31°

570
TVD

580
TVD





31°

590
TVD

600
TVD

MGS Gamma Ray

610
TVD

Spontaneous Potential
D8T Uphole Tension

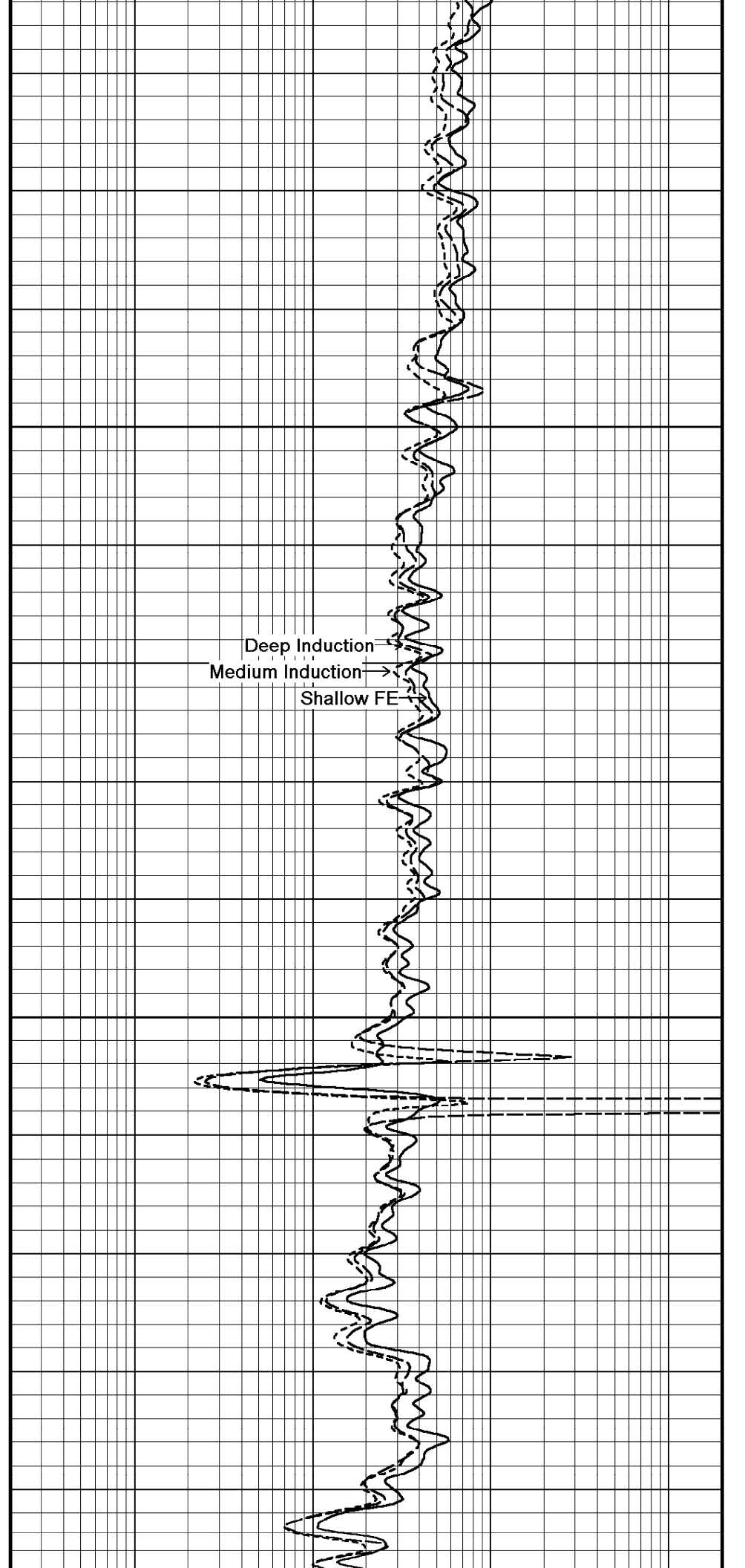
32°

620
TVD

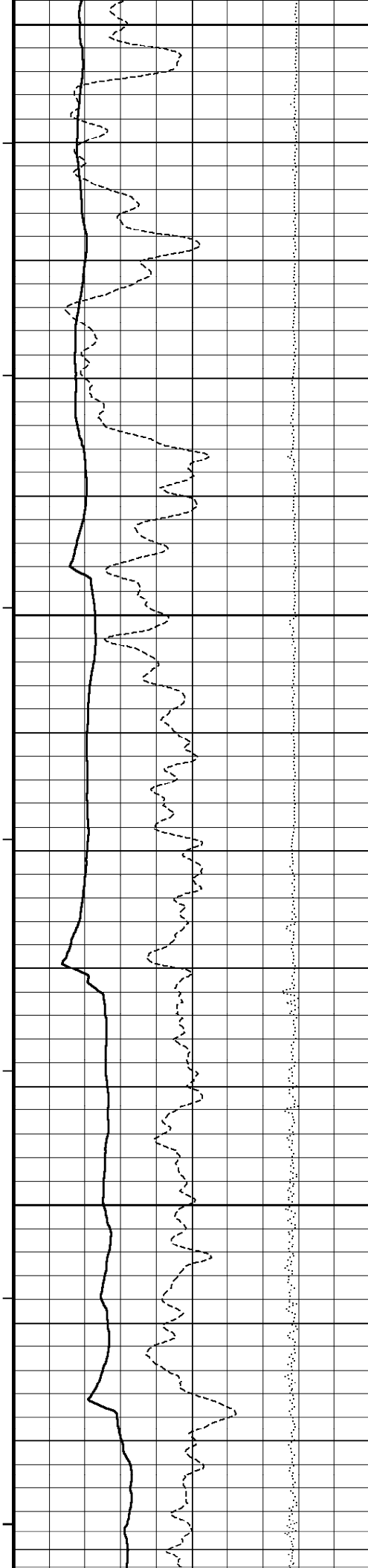
630
TVD

32°

640
TVD



Deep Induction
Medium Induction
Shallow FE



650
TVD

660
TVD

33°

670
TVD

680
TVD

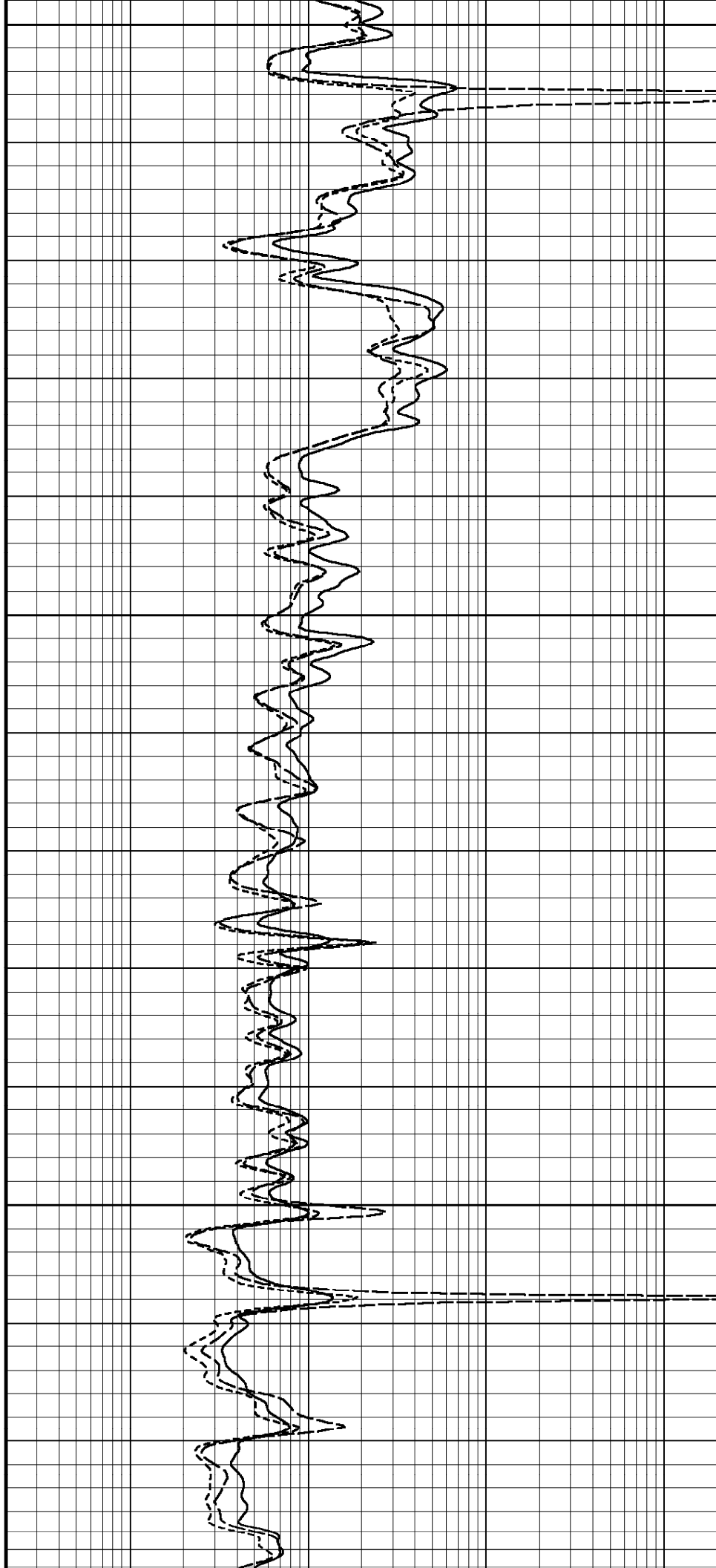
34°

690
TVD

700
TVD

710
TVD

34°



MGS Gamma Ray
Spontaneous Potential
DST Uphole Tension

720
TVD

730
TVD

35°

740
TVD

750
TVD

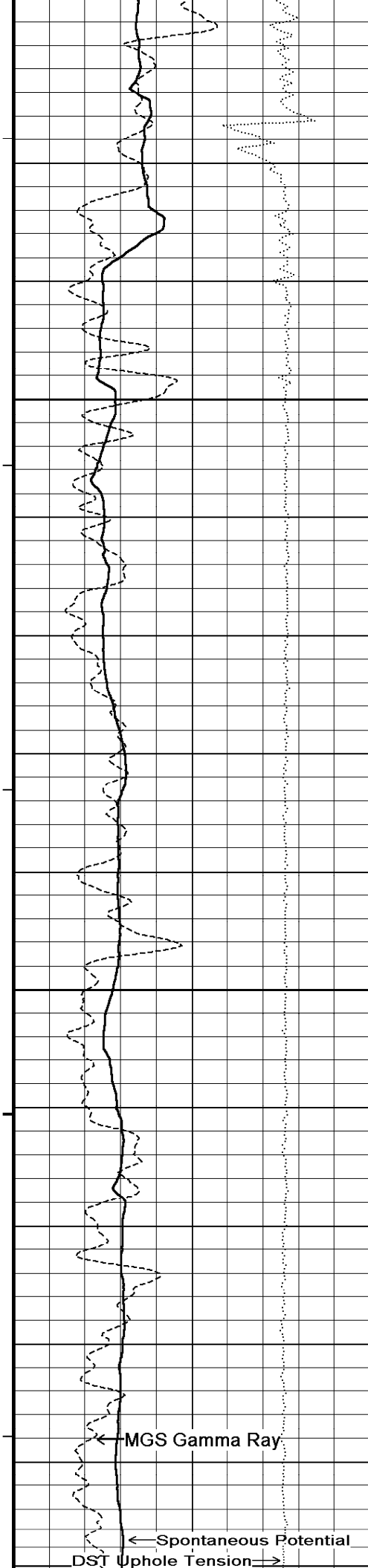
760
TVD

35°

770
TVD

780
TVD

Deep Induction
Medium Induction
Shallow FE



35°

790
TVD

800
TVD

810
TVD

36°

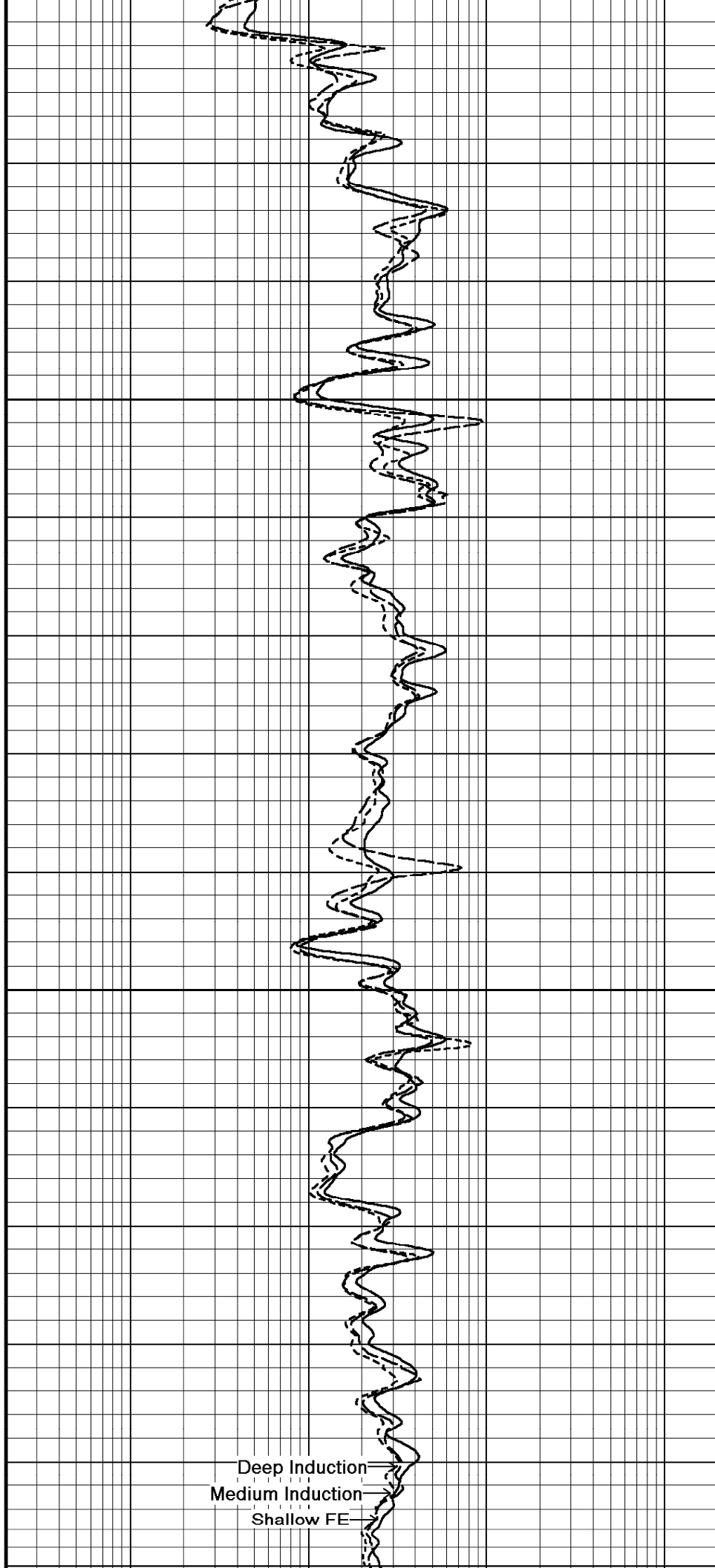
820
TVD

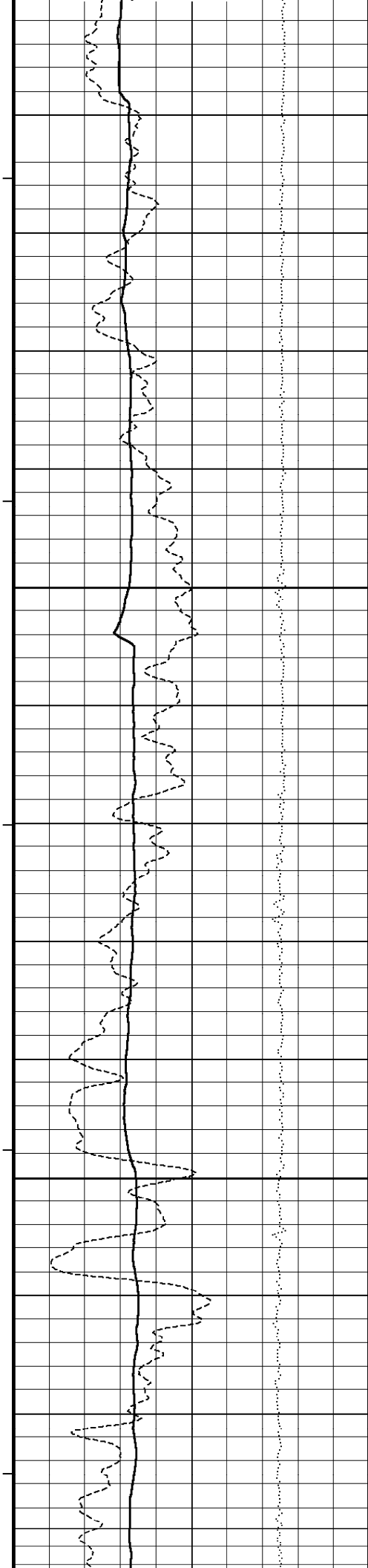
830
TVD

36°

840
TVD

850





850
TVD

860
TVD

36°

870
TVD

880
TVD

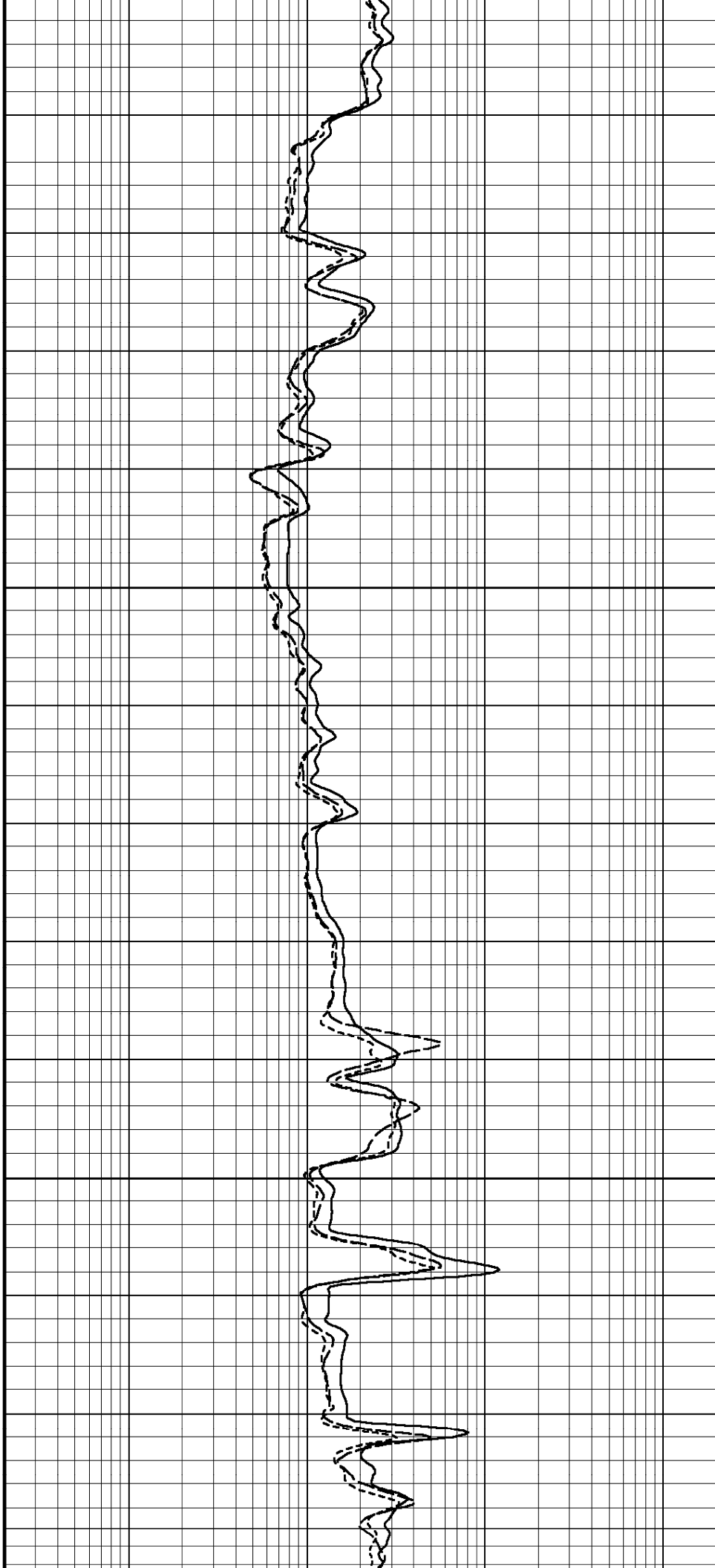
37°

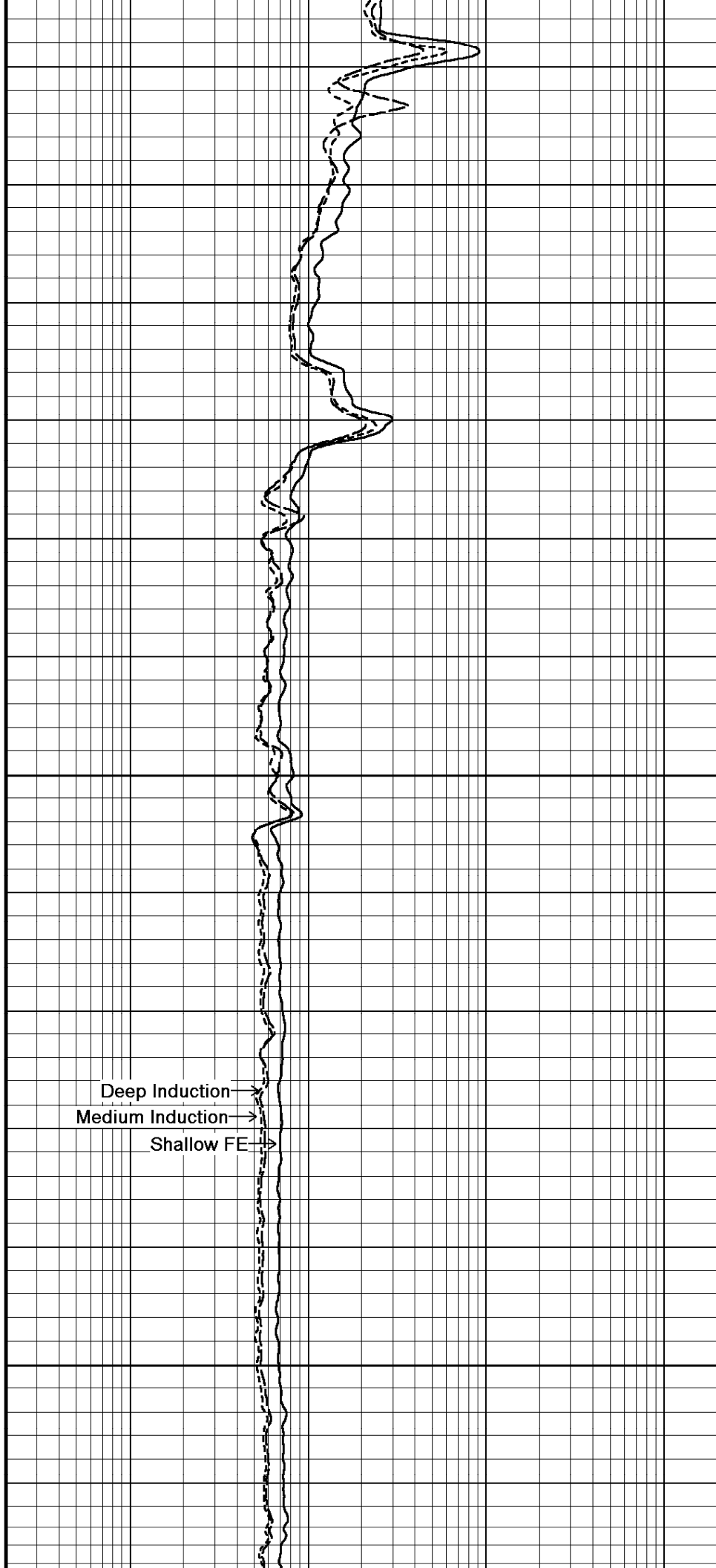
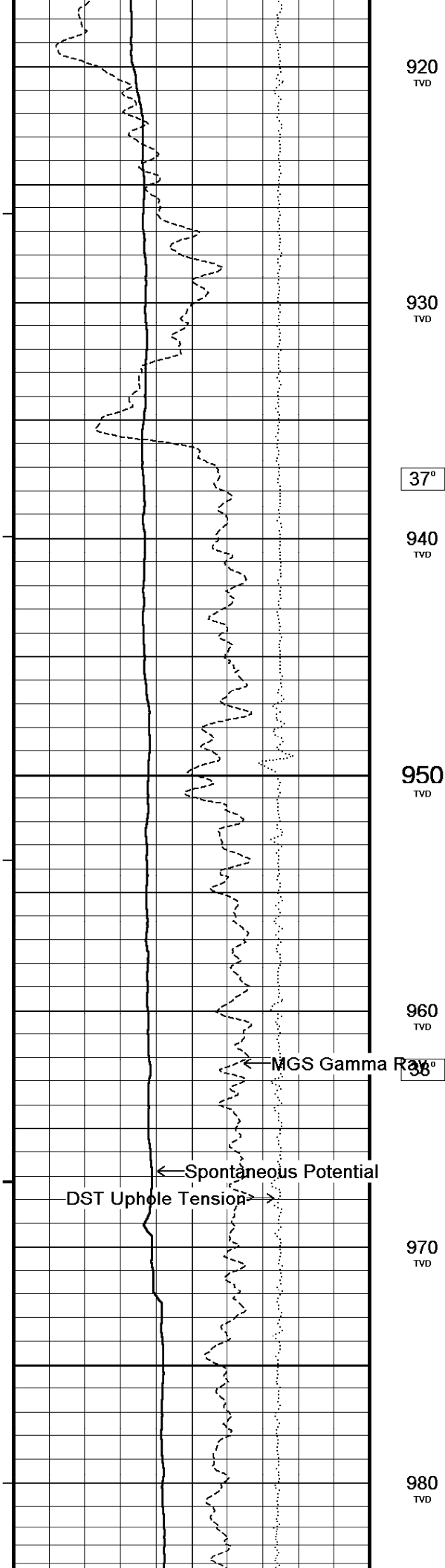
890
TVD

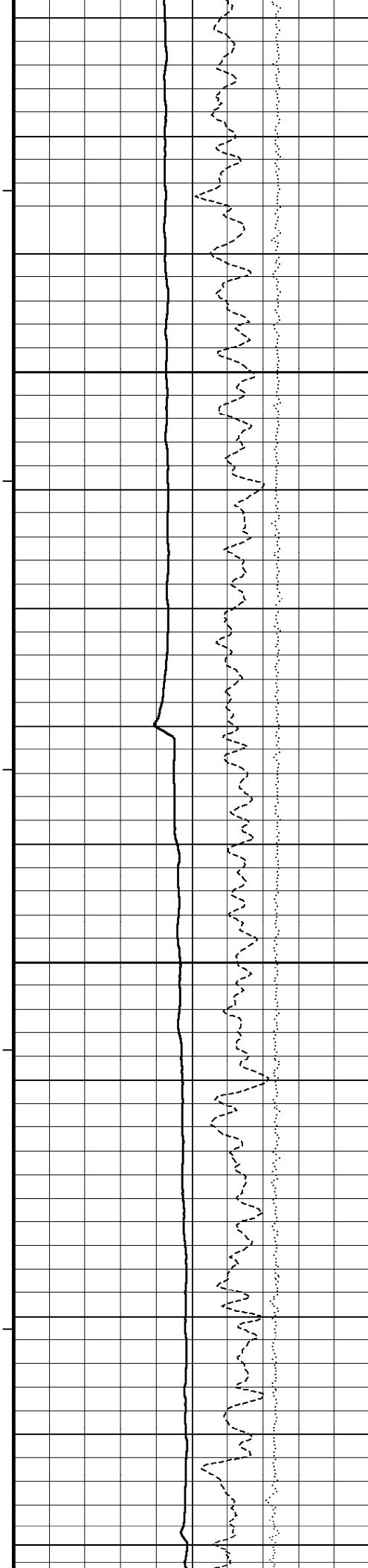
900
TVD

910
TVD

37°







39°

990
TVD

1000
TVD

1010
TVD

39°

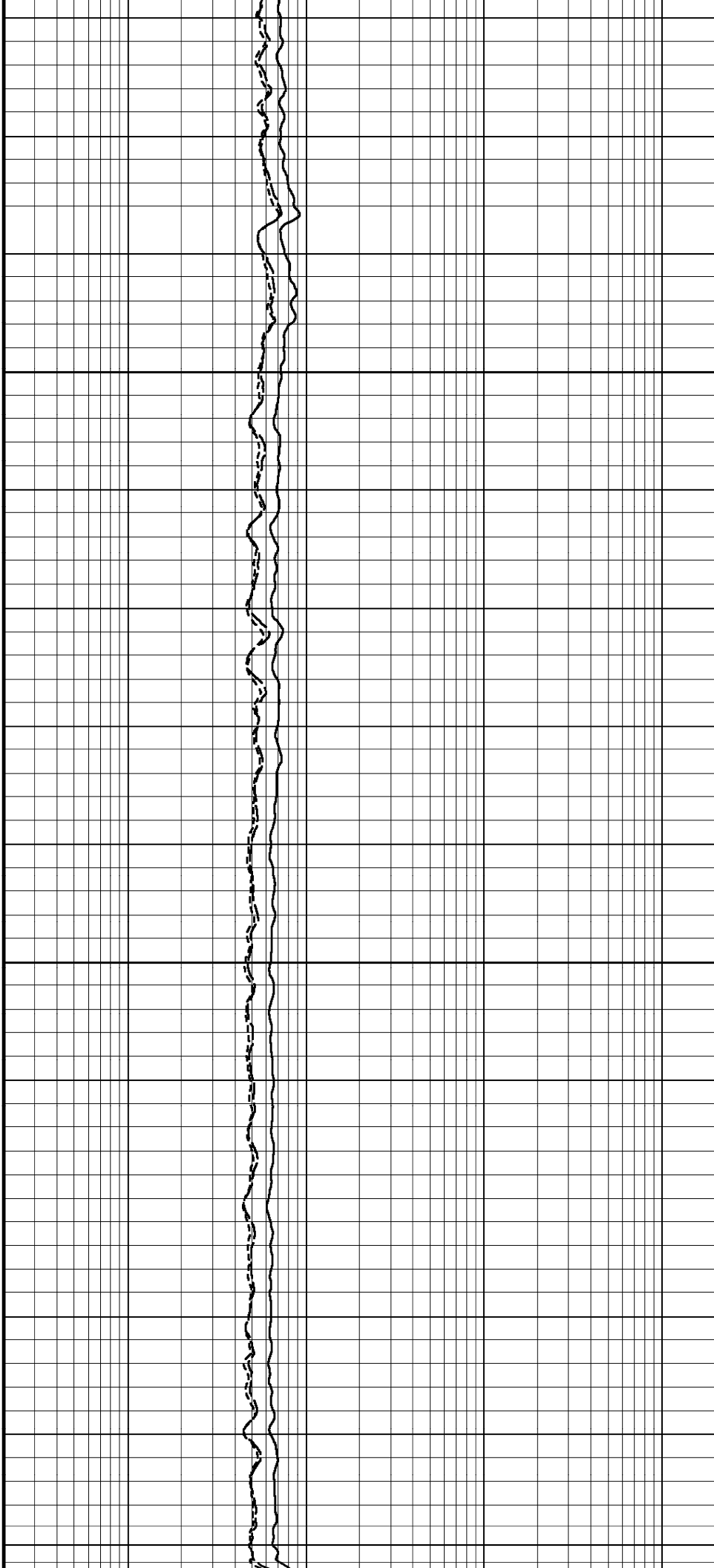
1020
TVD

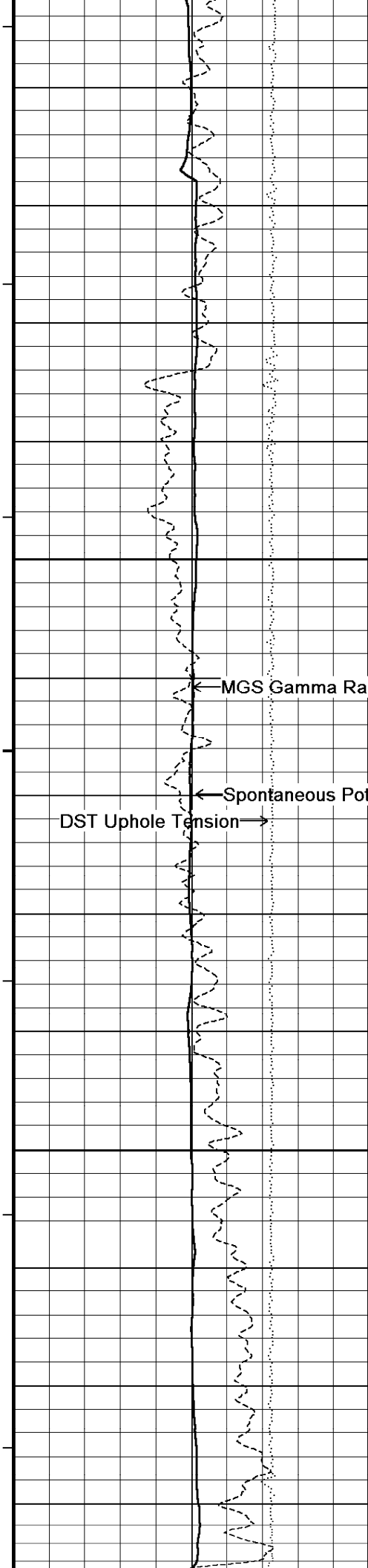
1030
TVD

40°

1040
TVD

1050
TVD





1060
TVD

41°

1070
TVD

1080
TVD

← MGS Gamma Ray

← Spontaneous Potential

DST Uphole Tension →

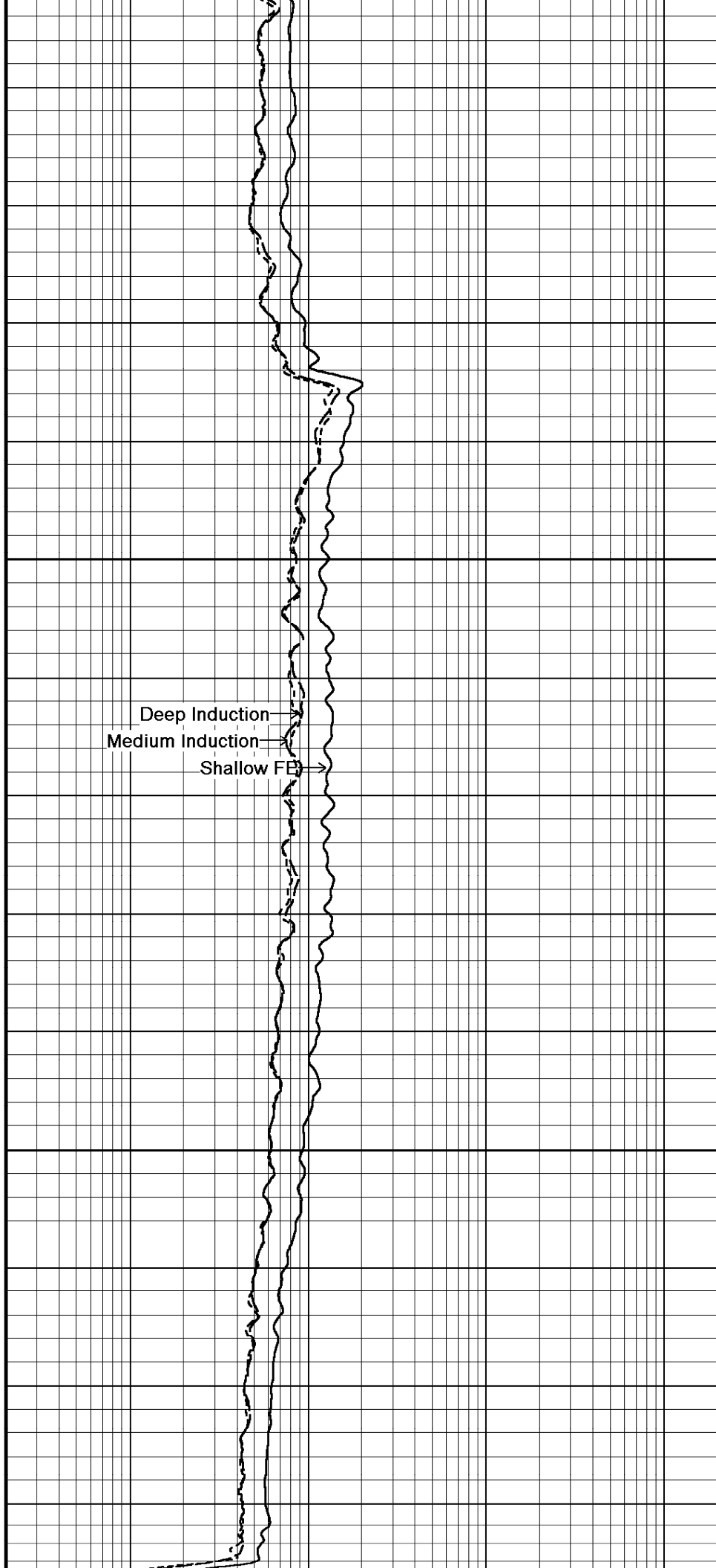
41°

1090
TVD

1100
TVD

1110
TVD

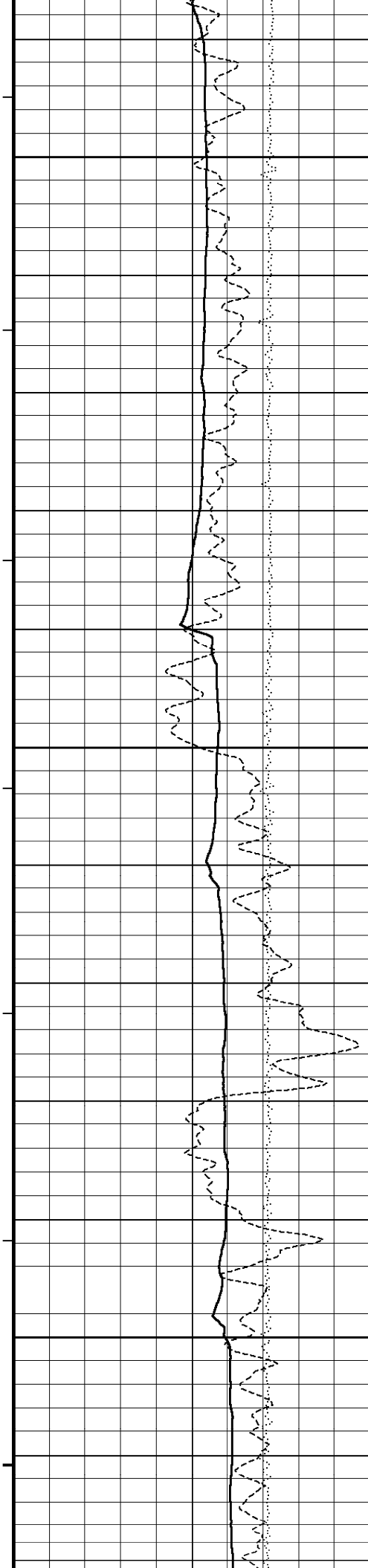
42°



Deep Induction →

Medium Induction →

Shallow FB →



1120
TVD

1130
TVD

42°

1140
TVD

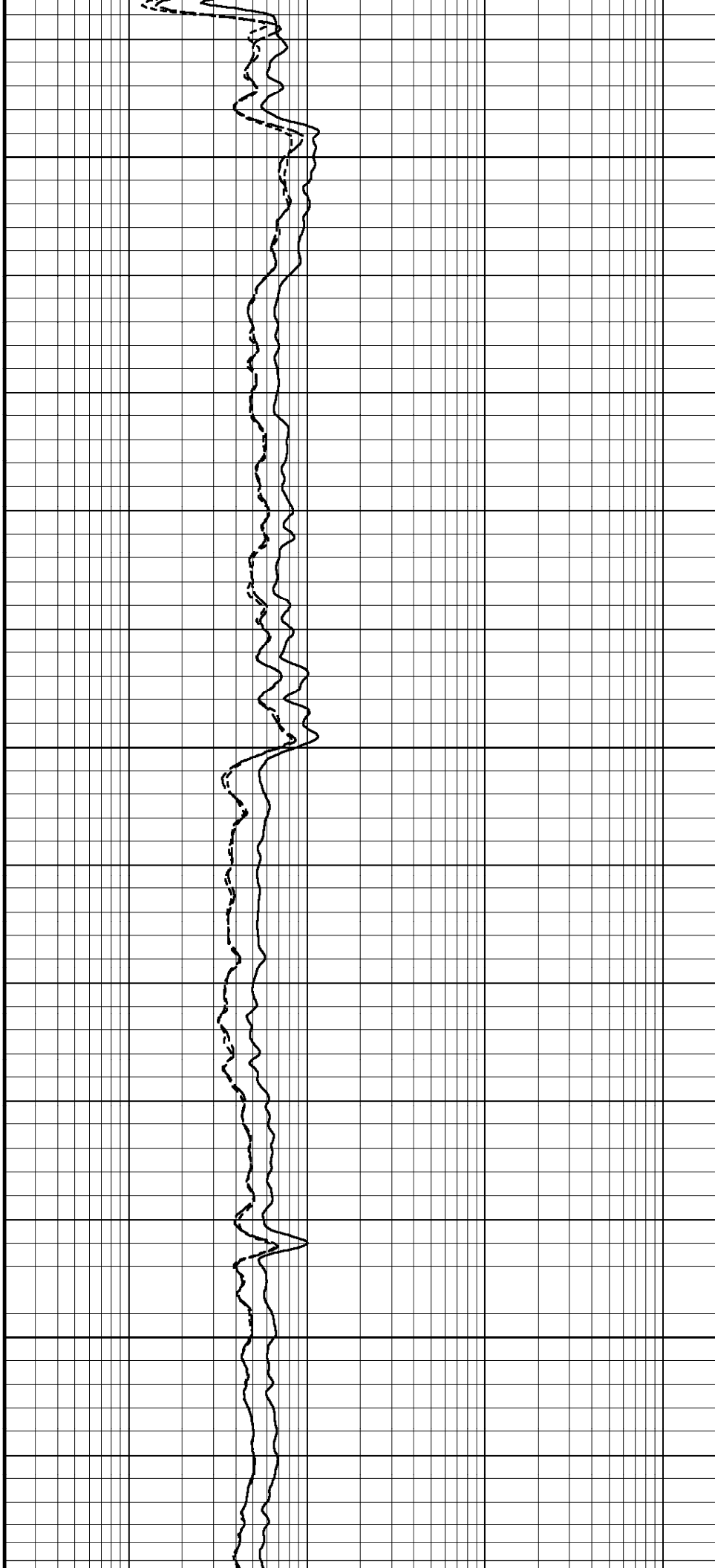
1150
TVD

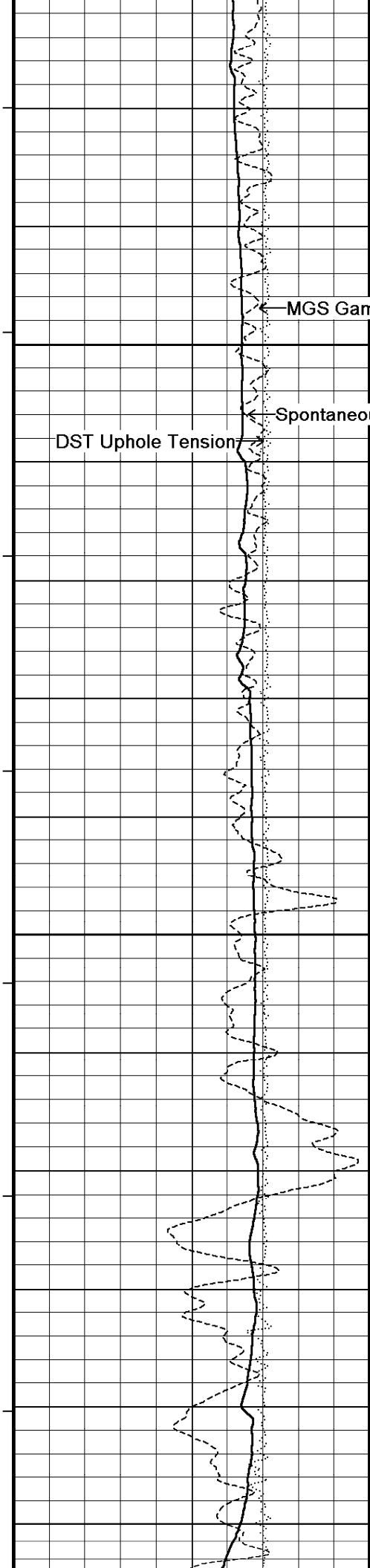
1160
TVD

43°

1170
TVD

1180
TVD





44ⁿ

1190
TVD

← MGS Gamma Ray

1200
TVD

DST Uphole Tension →

← Spontaneous Potential

1210
TVD

44^o

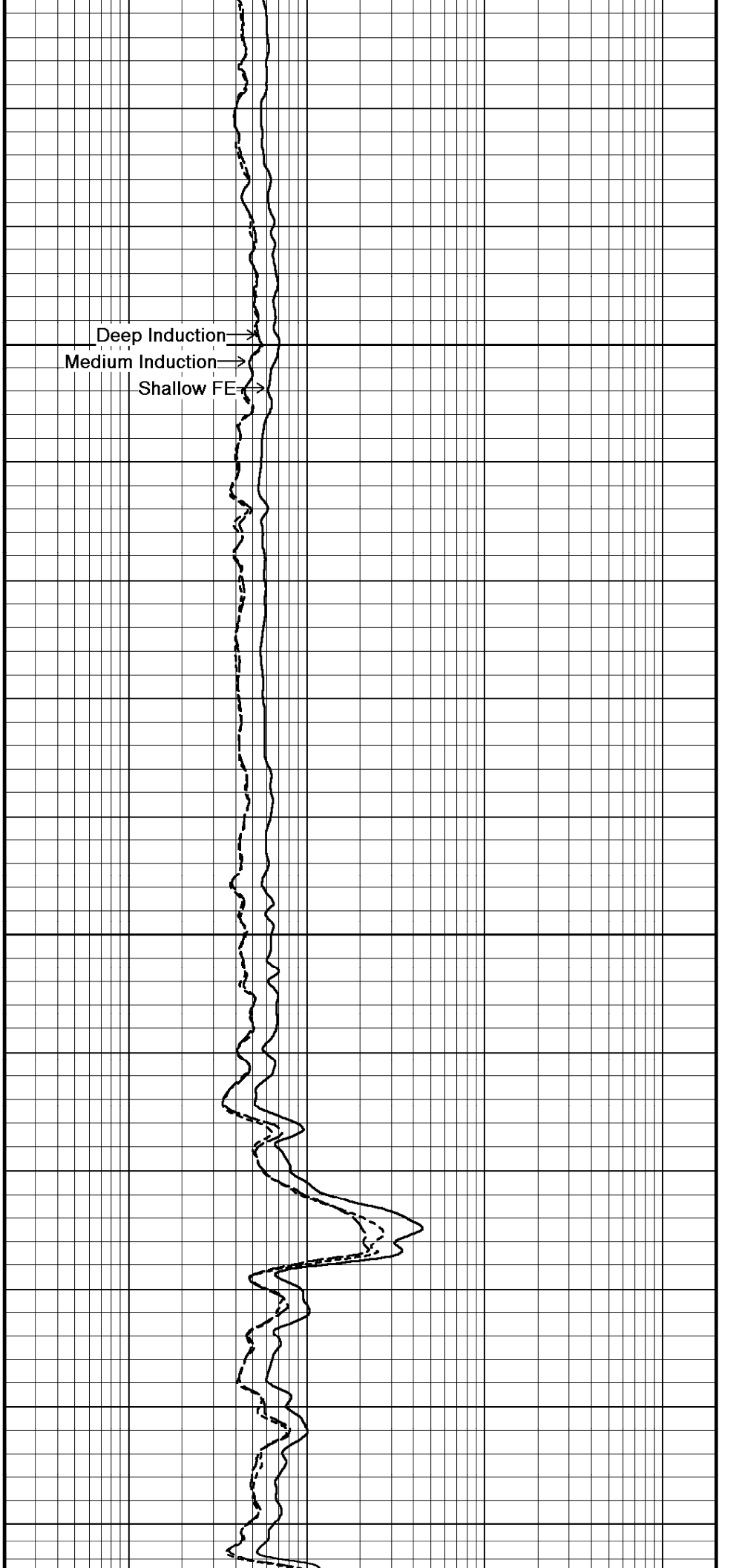
1220
TVD

1230
TVD

45^o

1240
TVD

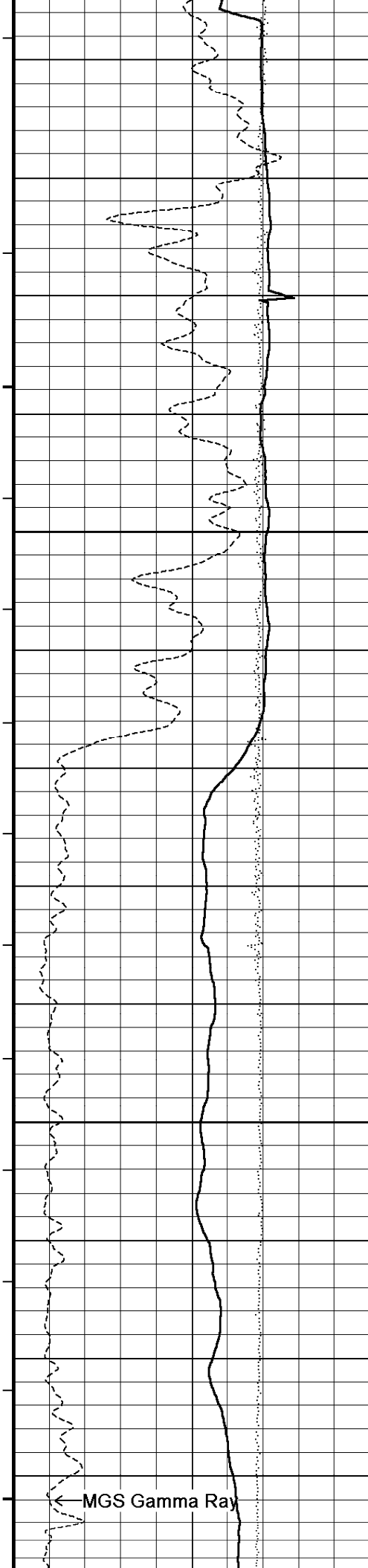
1250
TVD



Deep Induction →

Medium Induction →

Shallow FE →



1260
TVD

45°

1270
TVD

1280
TVD

46°

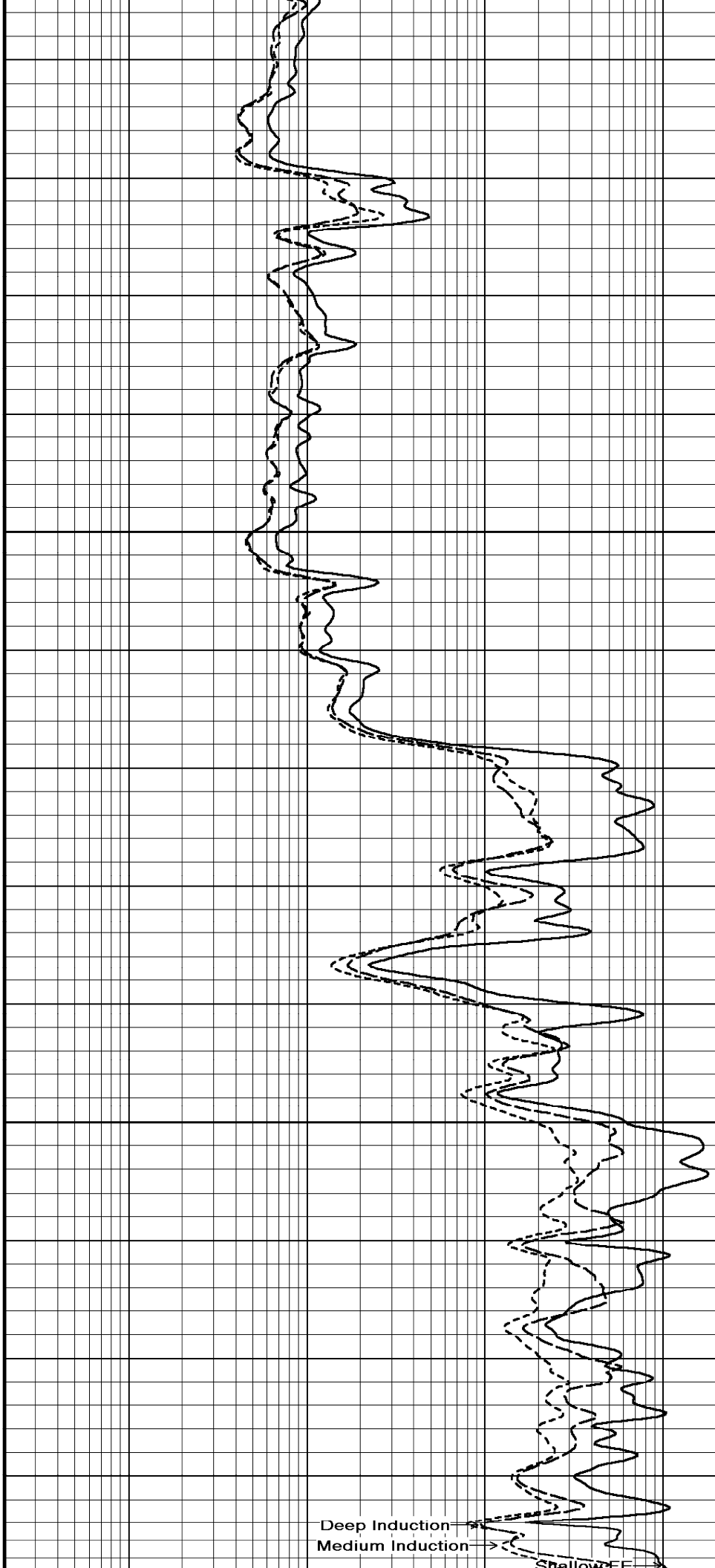
1290
TVD

1300
TVD

1310
TVD

47°

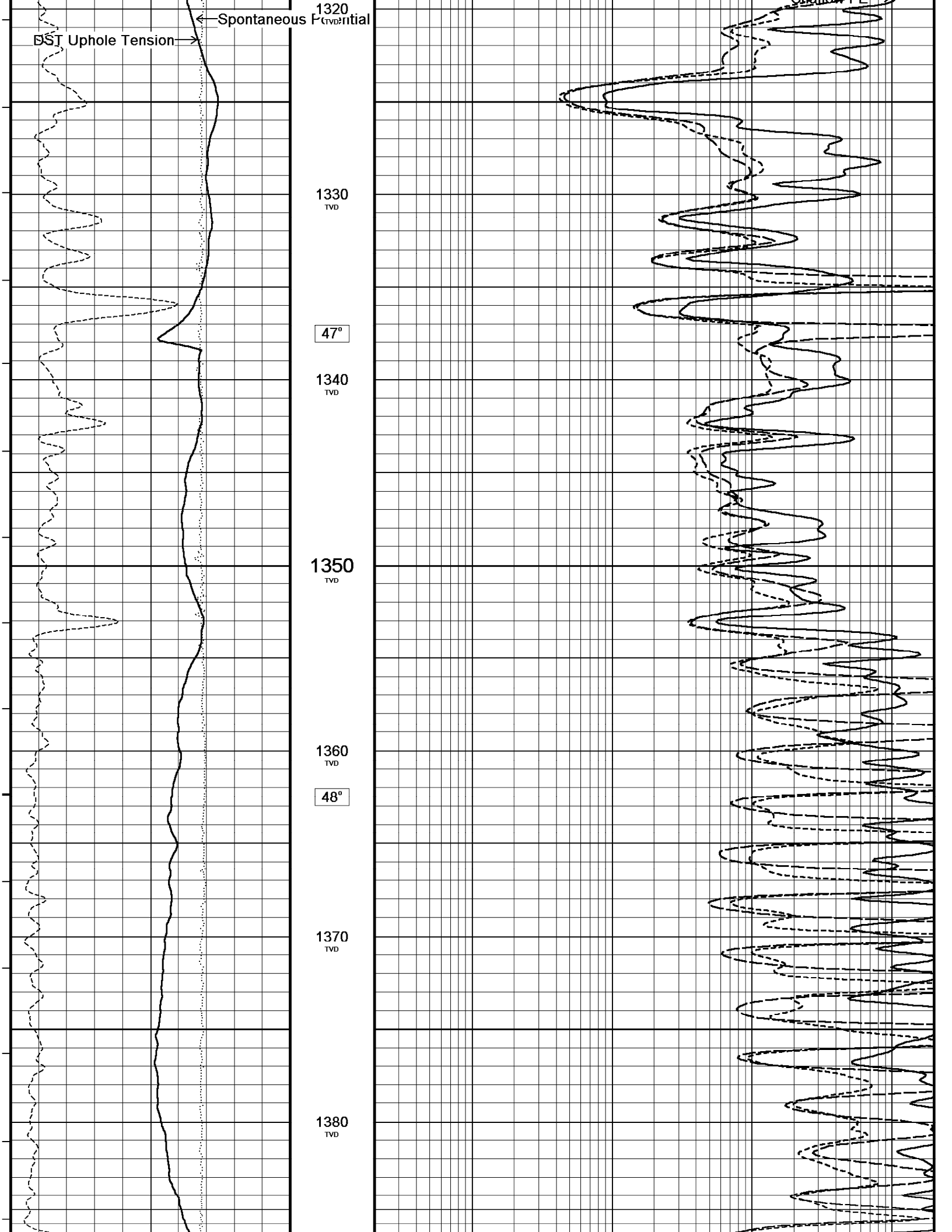
MGS Gamma Ray

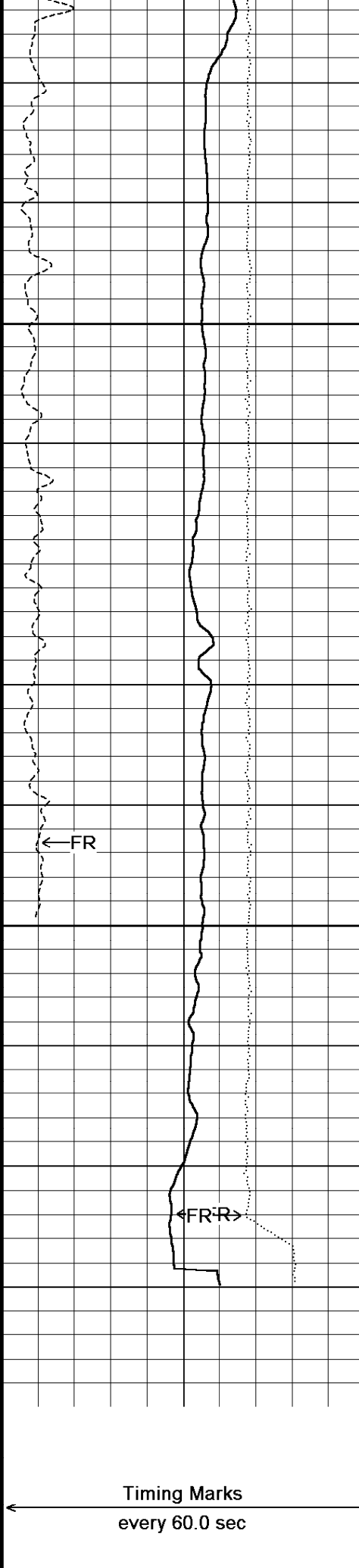


Deep Induction

Medium Induction

Shallow Induction





48°
1390
TVD

1400
TVD

1410
TVD

48°

1420
TVD

1430
TVD

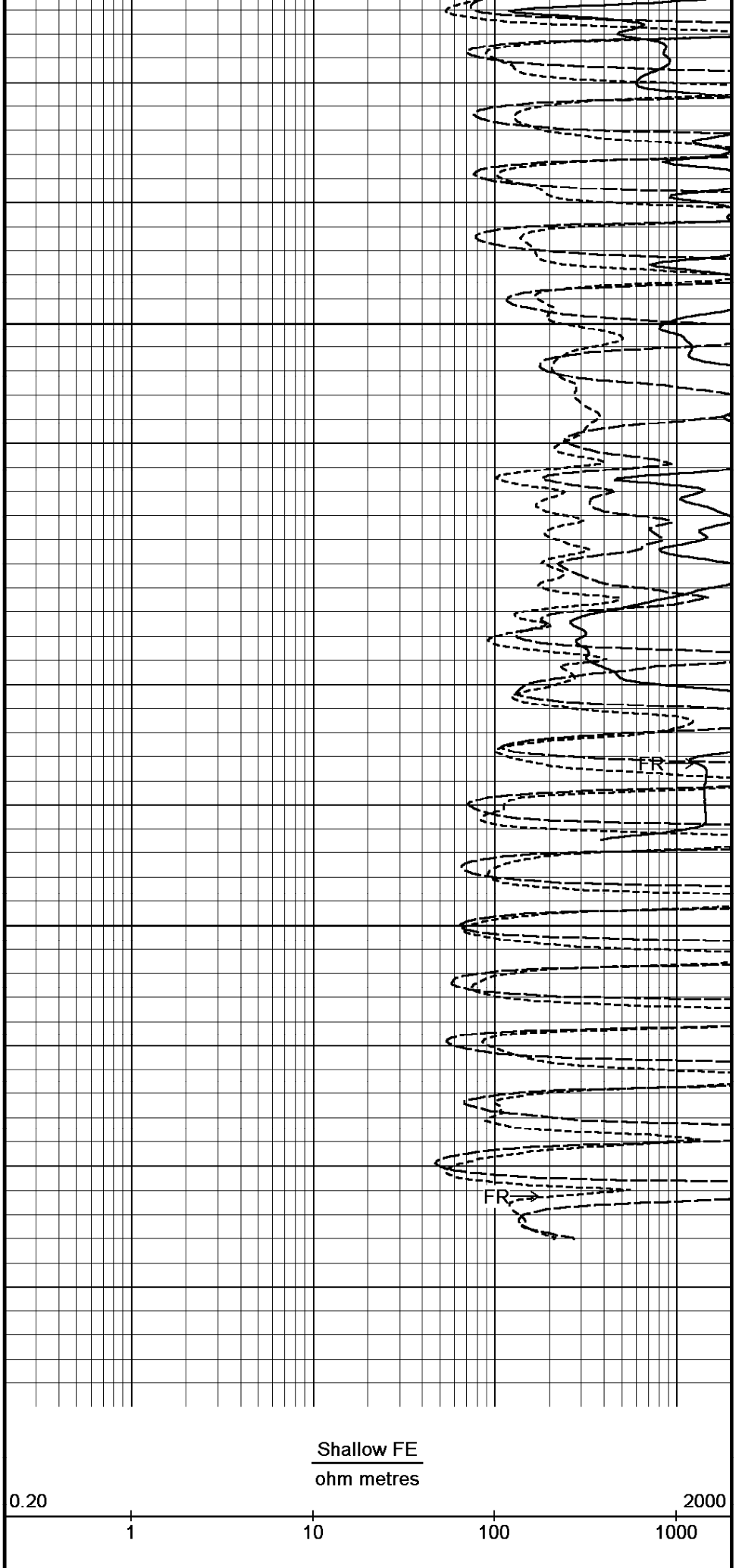
1440
TVD

1444
TVD

TVD
in
Metres

Timing Marks
every 60.0 sec

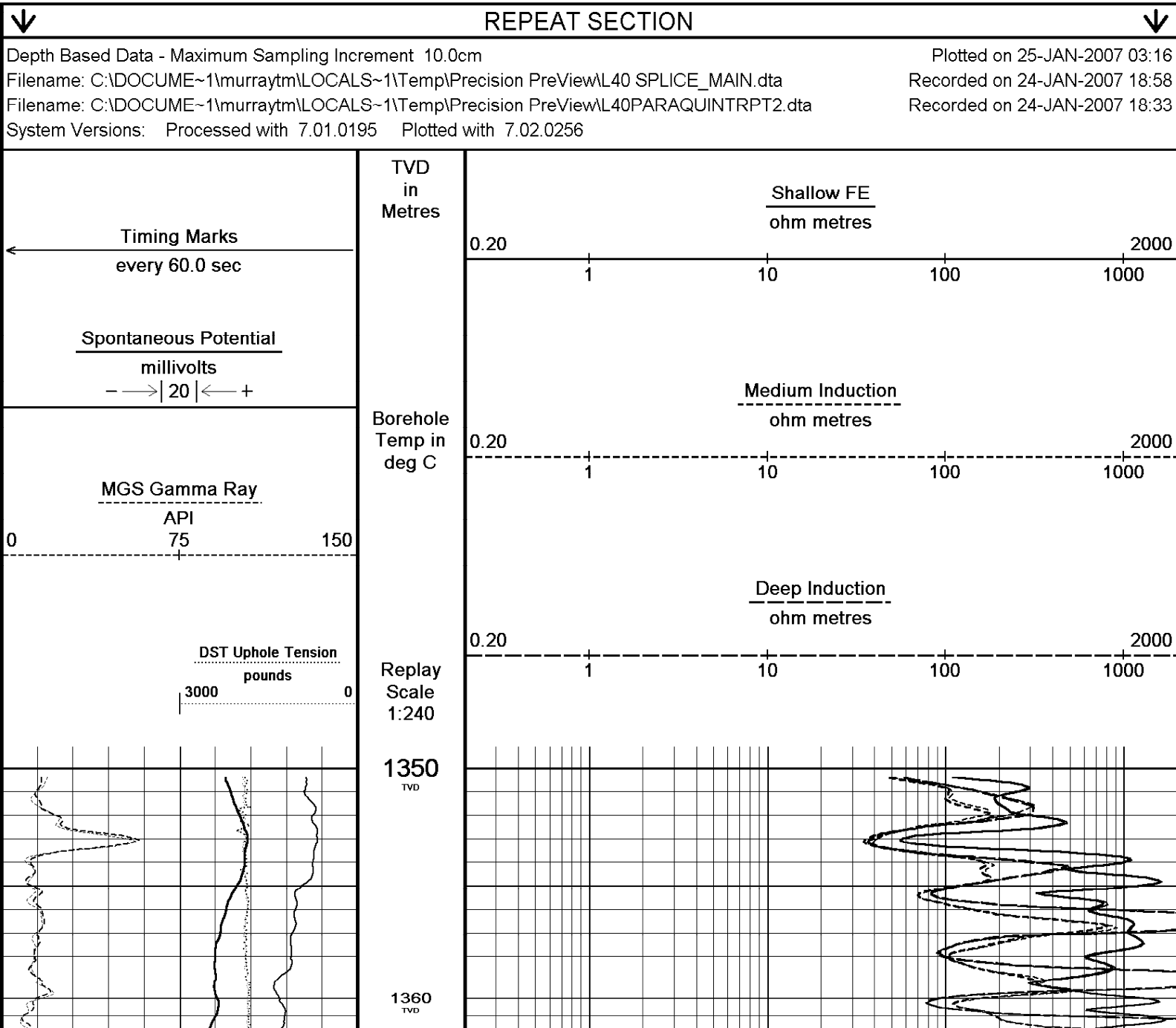
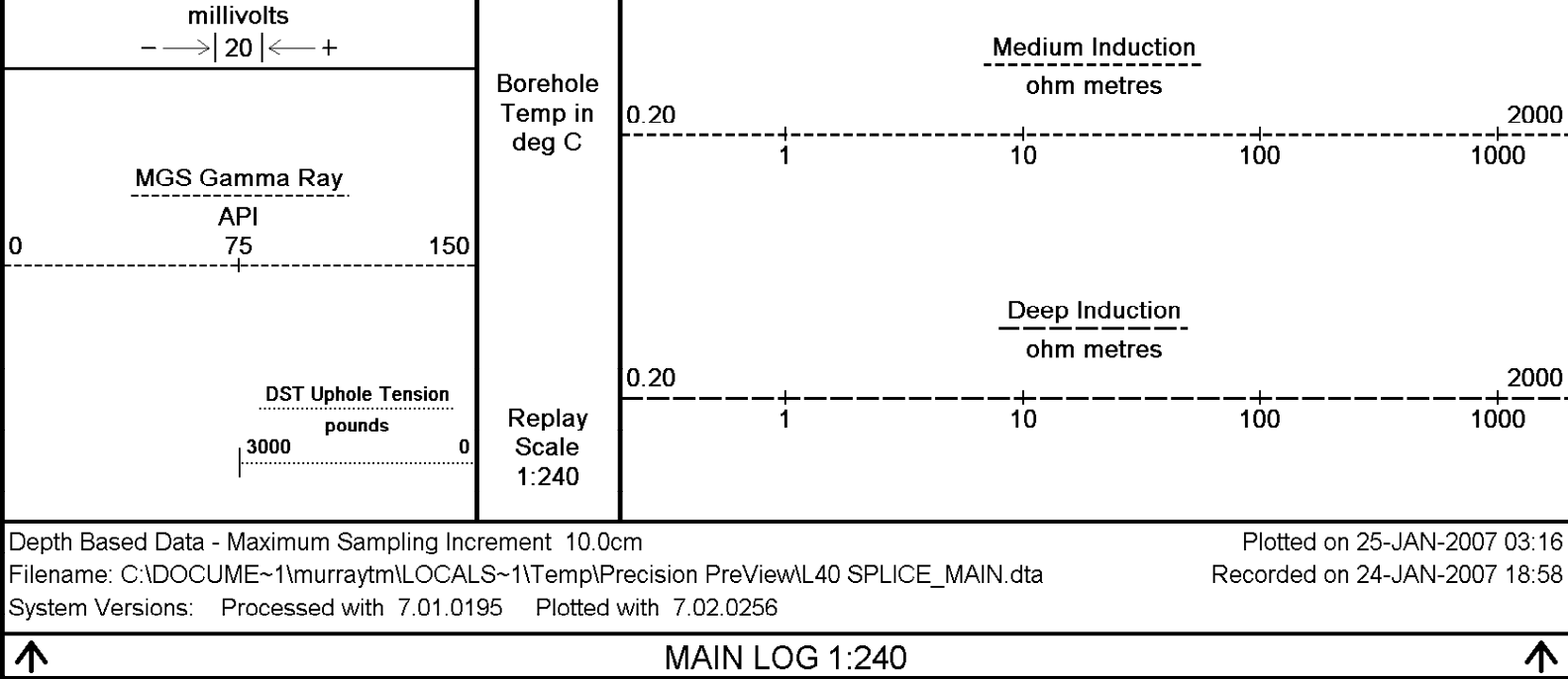
Spontaneous Potential

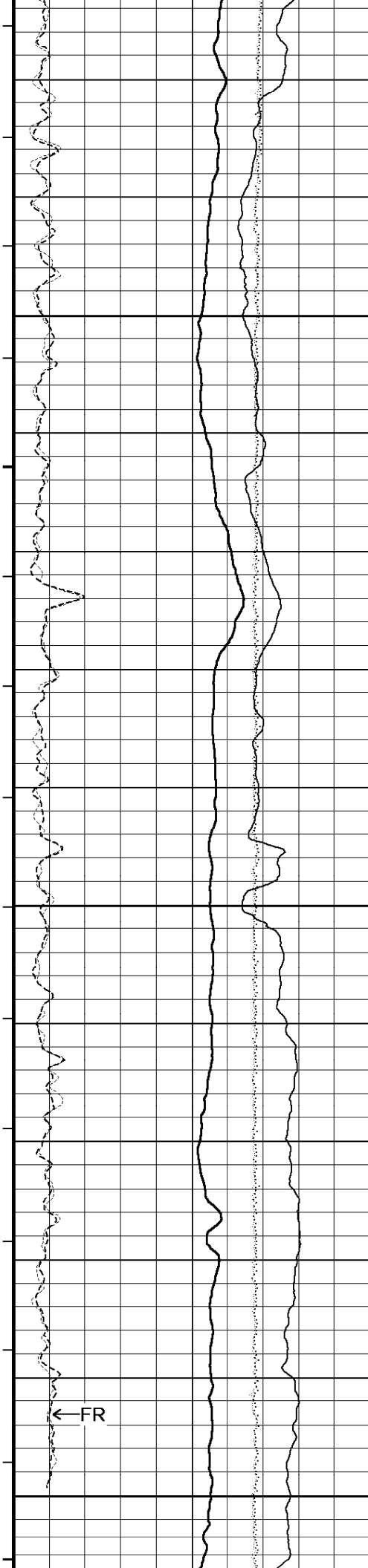


0.20

Shallow FE
ohm metres

1 10 100 1000 2000





48°

1370
TVD

1380
TVD

48°

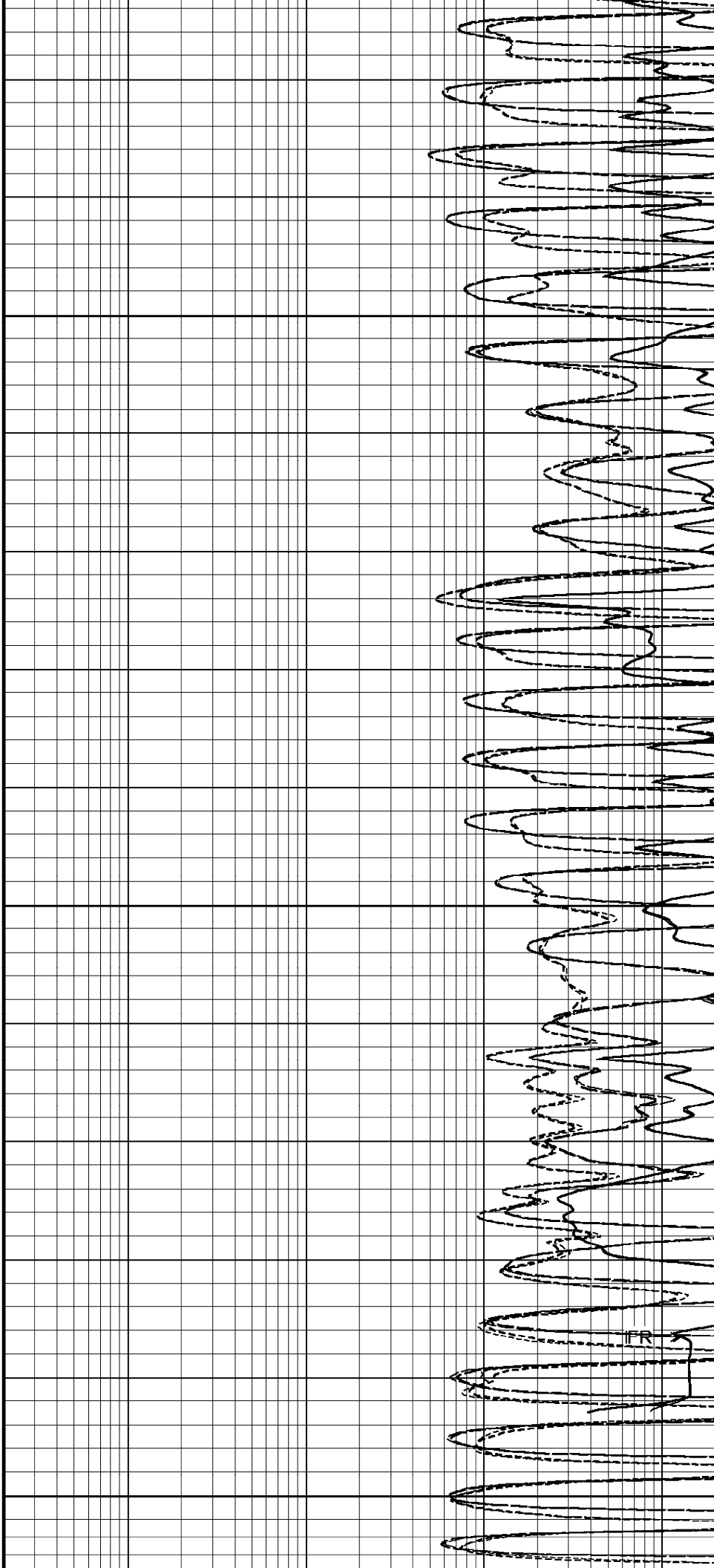
1390
TVD

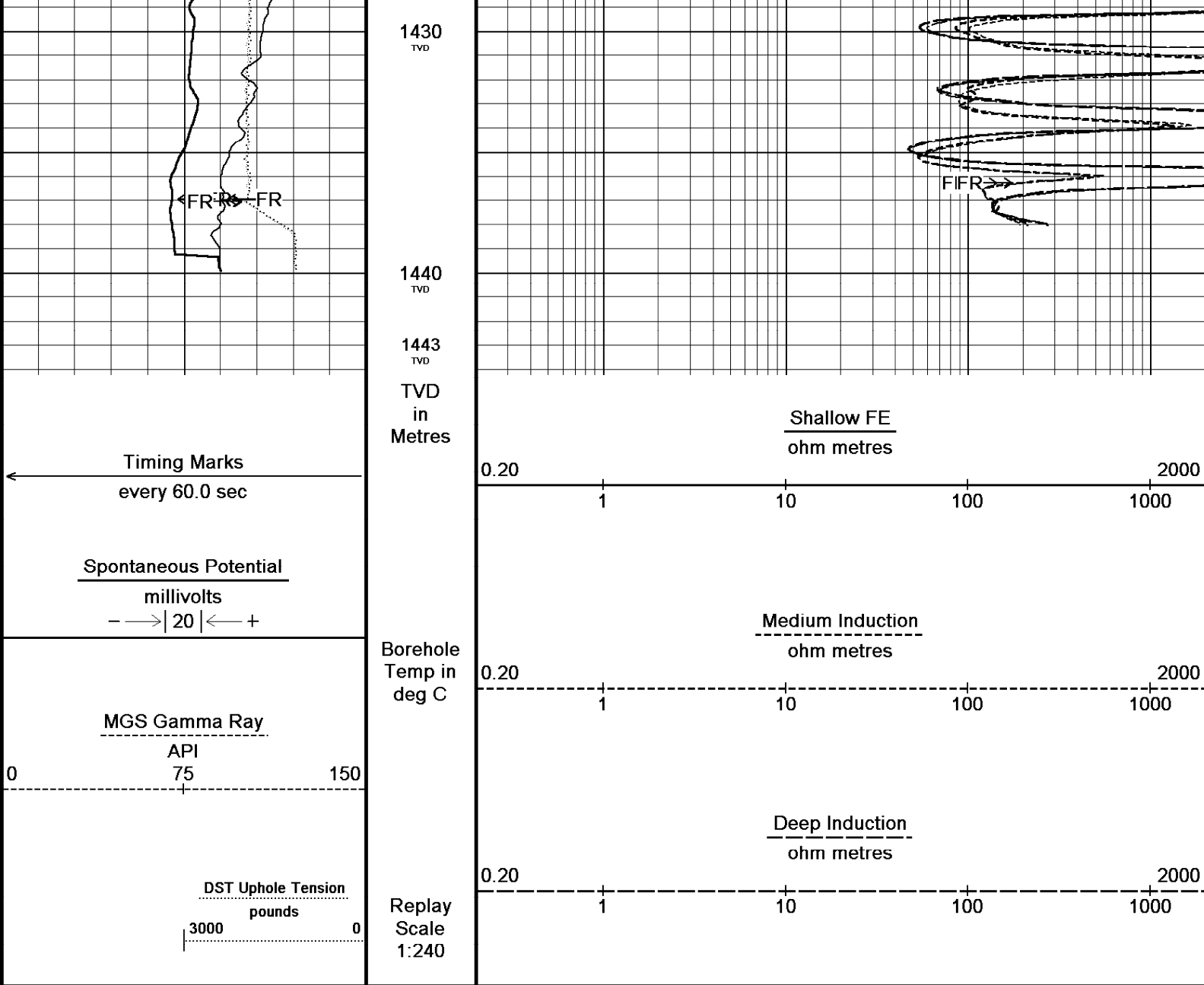
1400
TVD

1410
TVD

48°

1420
TVD



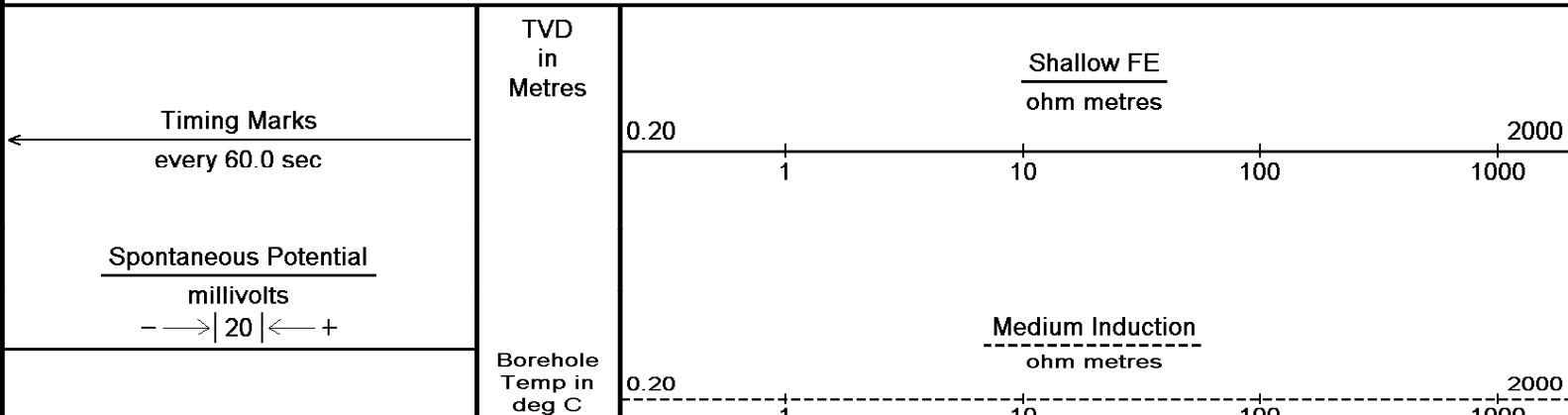


Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JAN-2007 03:16
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40 SPLICE_MAIN.dta	Recorded on 24-JAN-2007 18:58
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40PARAQUINTRPT2.dta	Recorded on 24-JAN-2007 18:33
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256	

↑	REPEAT SECTION	↑
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↓	MAIN LOG 1:120	↓
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Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JAN-2007 03:16
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40 SPLICE_MAIN.dta	Recorded on 24-JAN-2007 18:58
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256	



MGS Gamma Ray

API

75

0

150

DST Uphole Tension

pounds

3000

0

Replay
Scale
1:120

45°

1270
TVD

1275
TVD

1280
TVD

46°

1285
TVD

1290
TVD

46°

Deep Induction

ohm metres

0.20

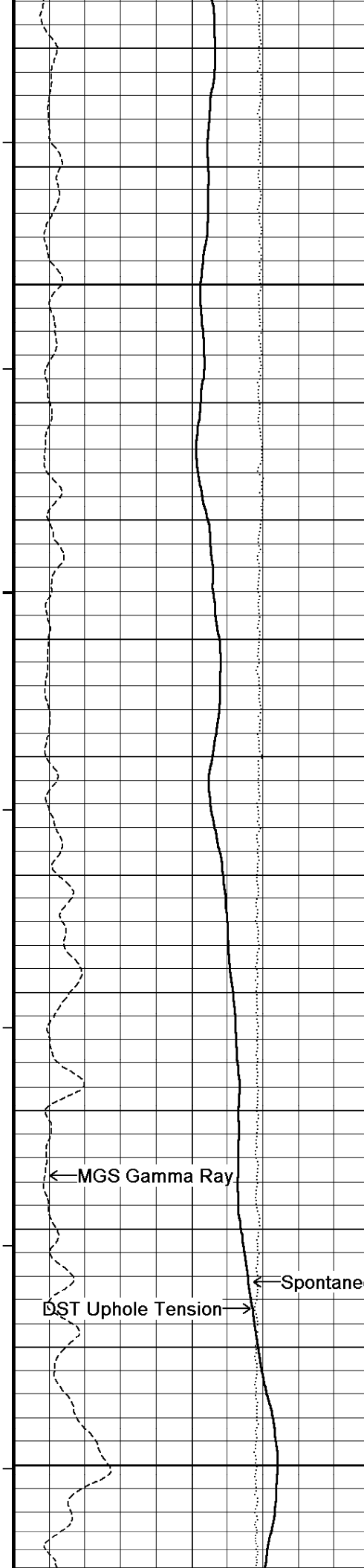
1

10

100

1000

2000



1295
TVD

1300
TVD

1305
TVD

46°

1310
TVD

1315
TVD

47°

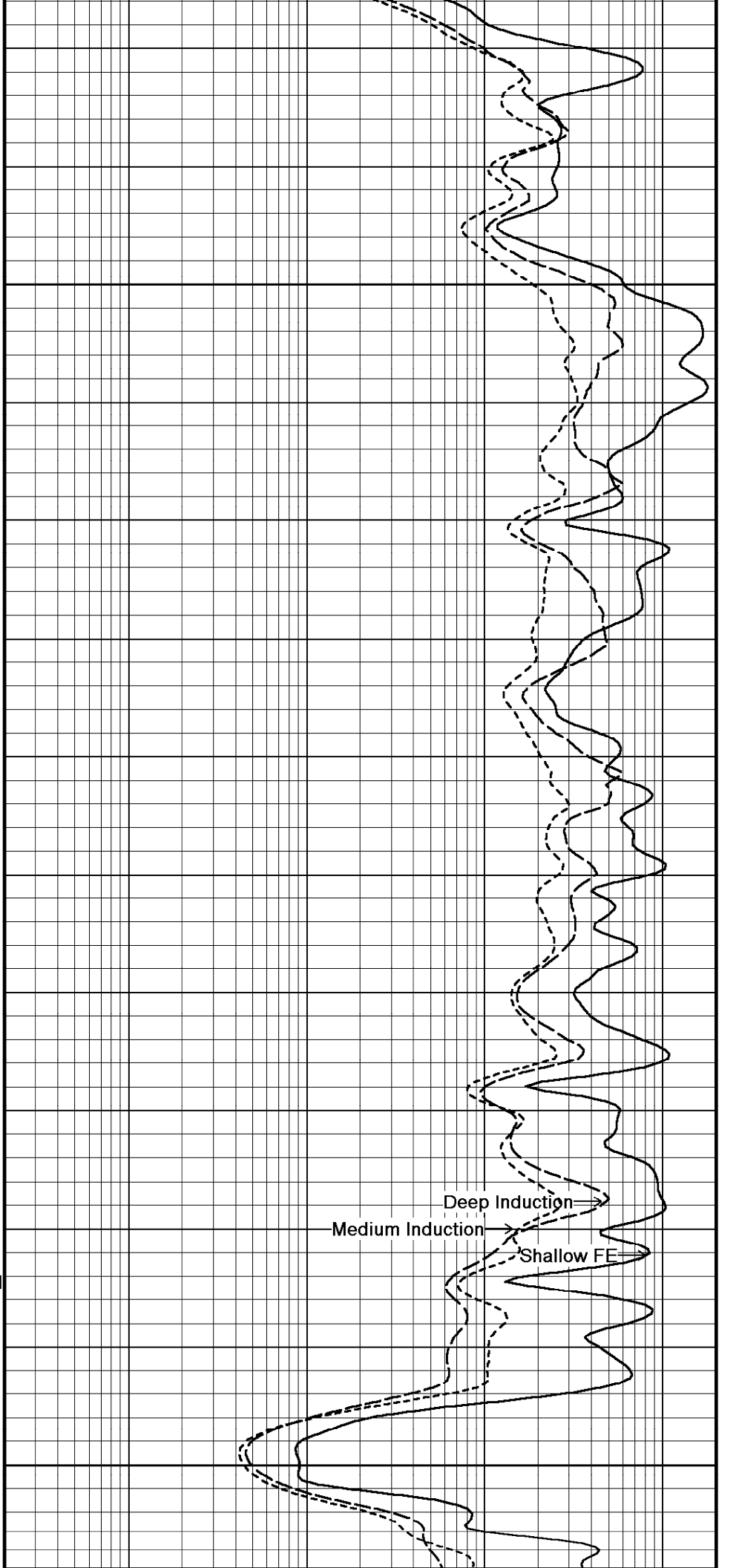
1320
TVD

1325
TVD

← MGS Gamma Ray

DST Uphole Tension →

← Spontaneous Potential



Deep Induction →

Medium Induction →

Shallow FE →



1330
TVD

47°

1335
TVD

1340
TVD

48°

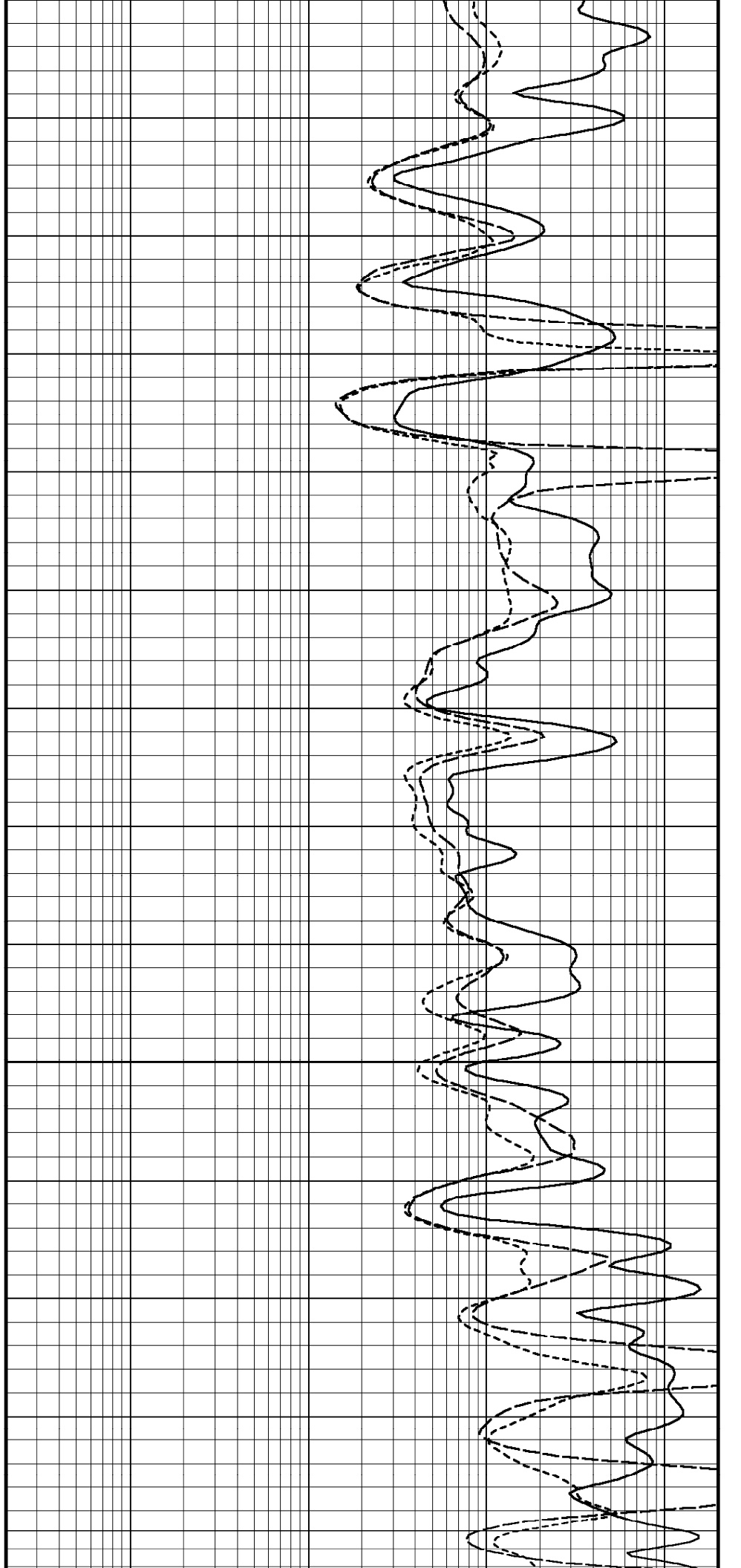
1345
TVD

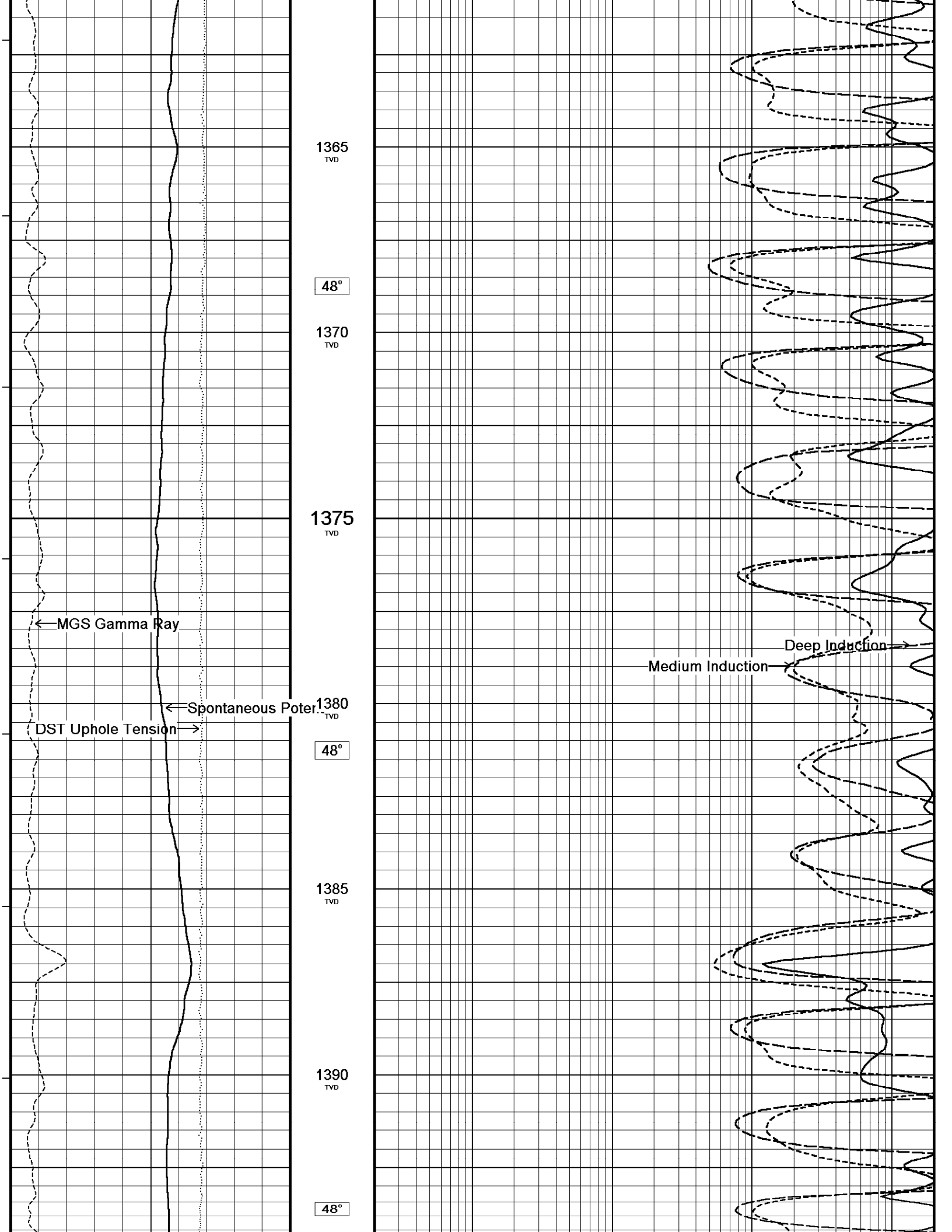
1350
TVD

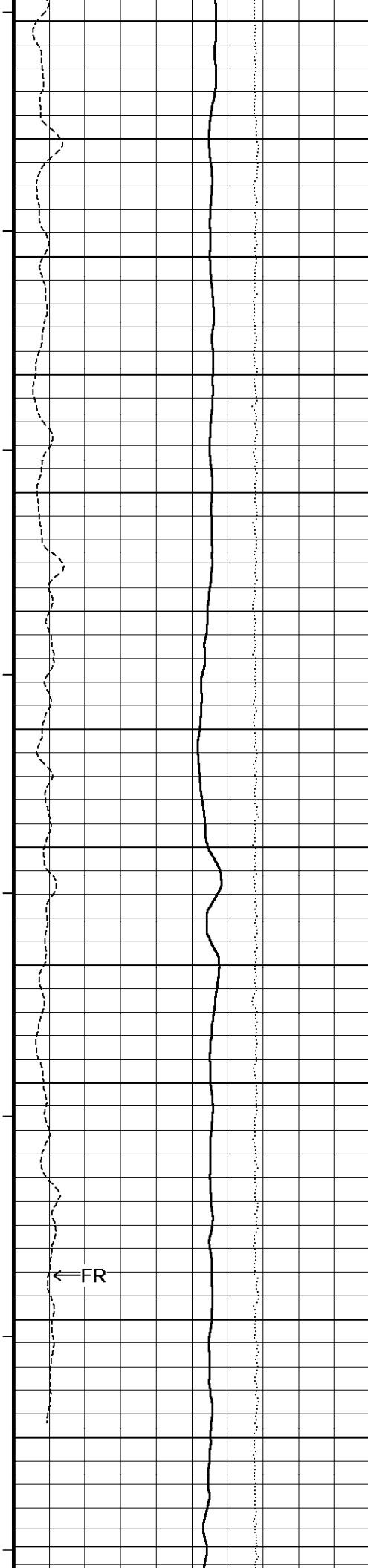
1355
TVD

48°

1360
TVD







1395
TVD

1400
TVD

1405
TVD

48°

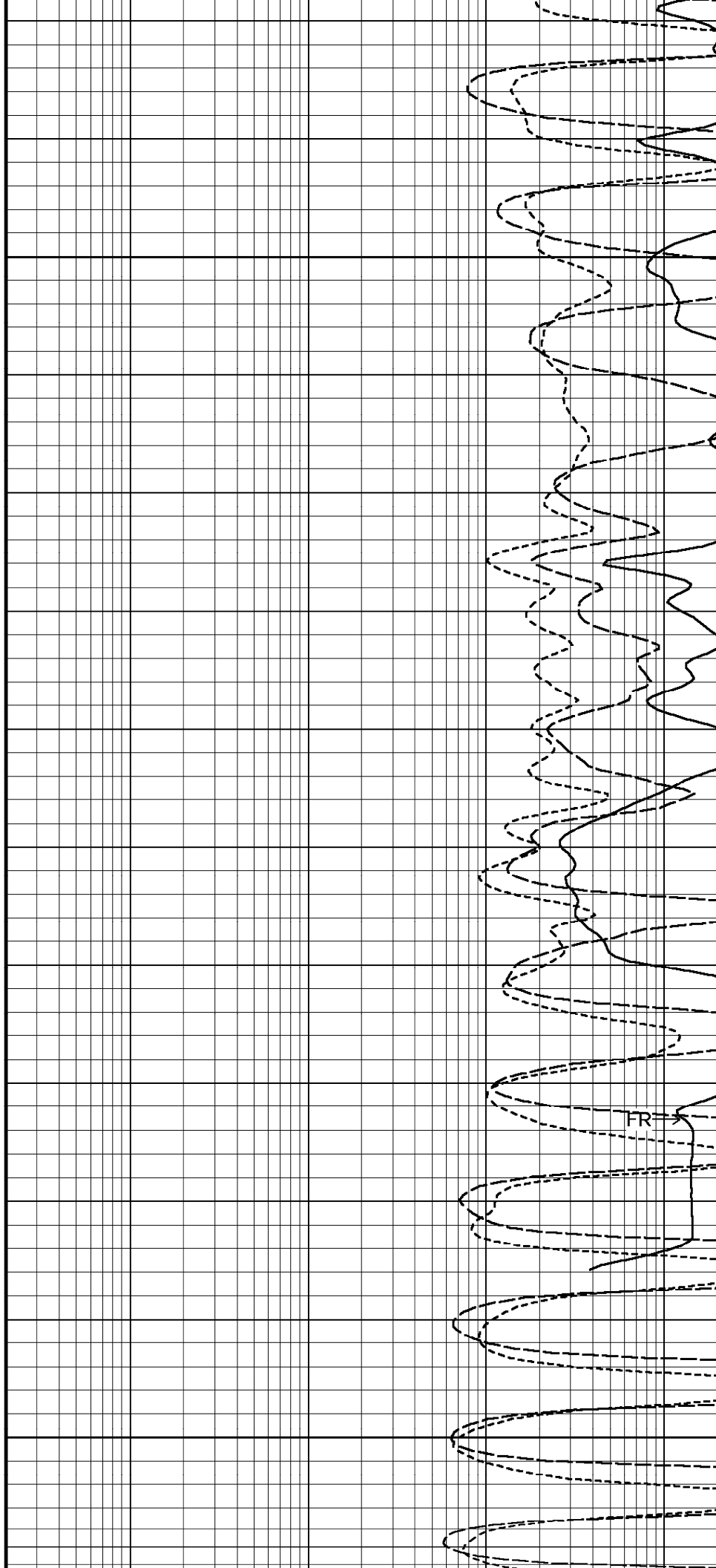
1410
TVD

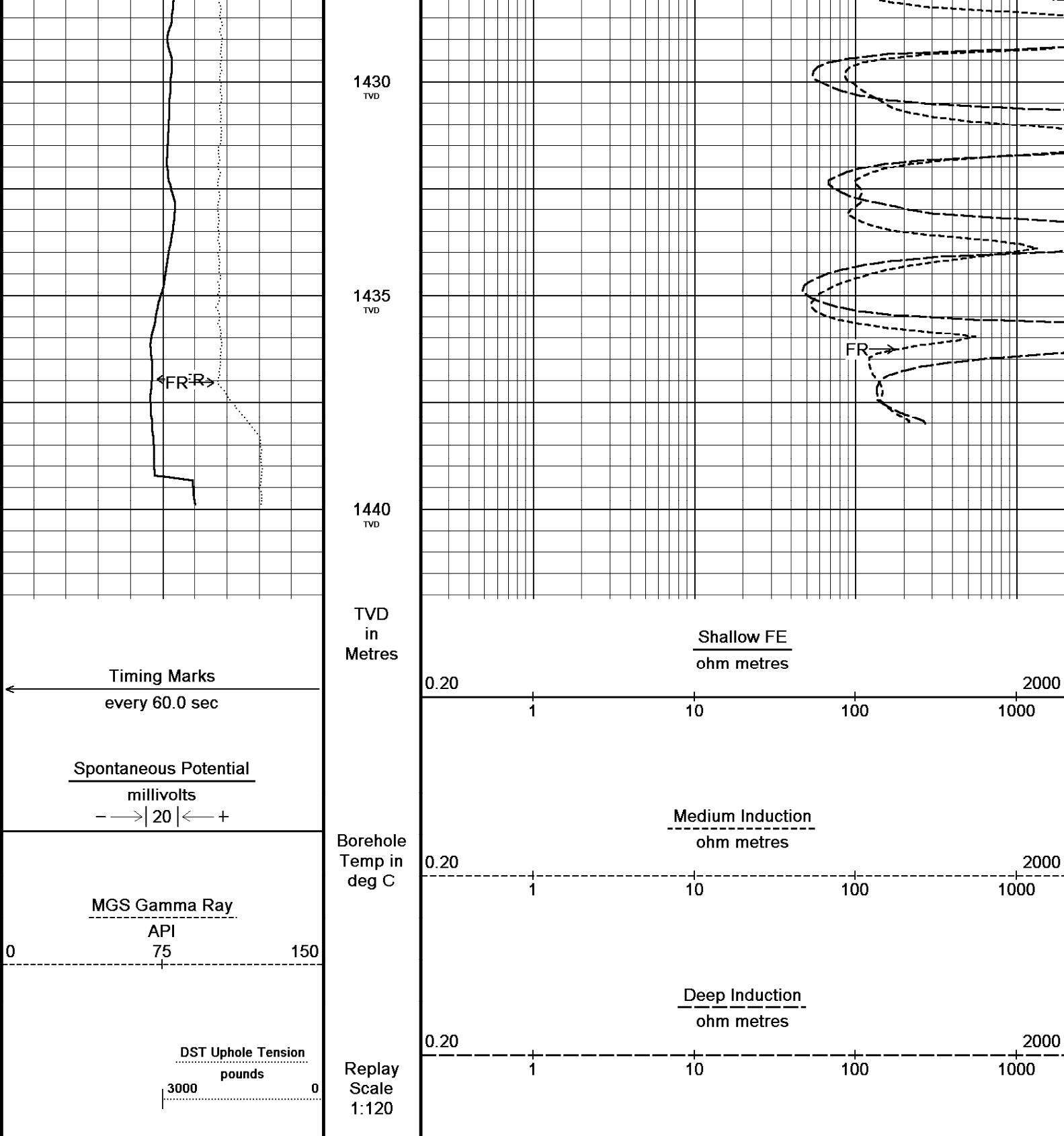
1415
TVD

48°

1420
TVD

1425
TVD





Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40 SPLICE_MAIN.dta
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256

Plotted on 25-JAN-2007 03:16
Recorded on 24-JAN-2007 18:58

↑

MAIN LOG 1:120

↑

↓

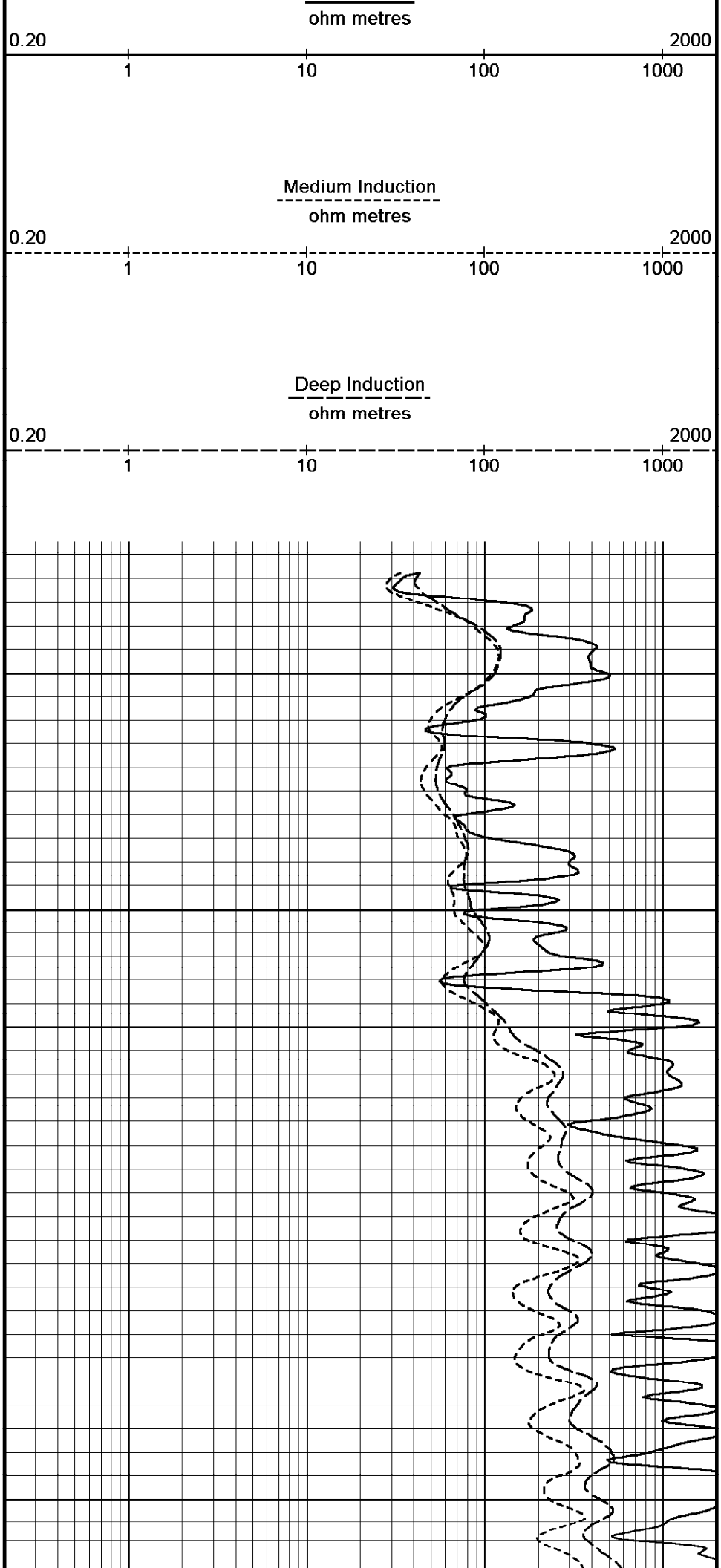
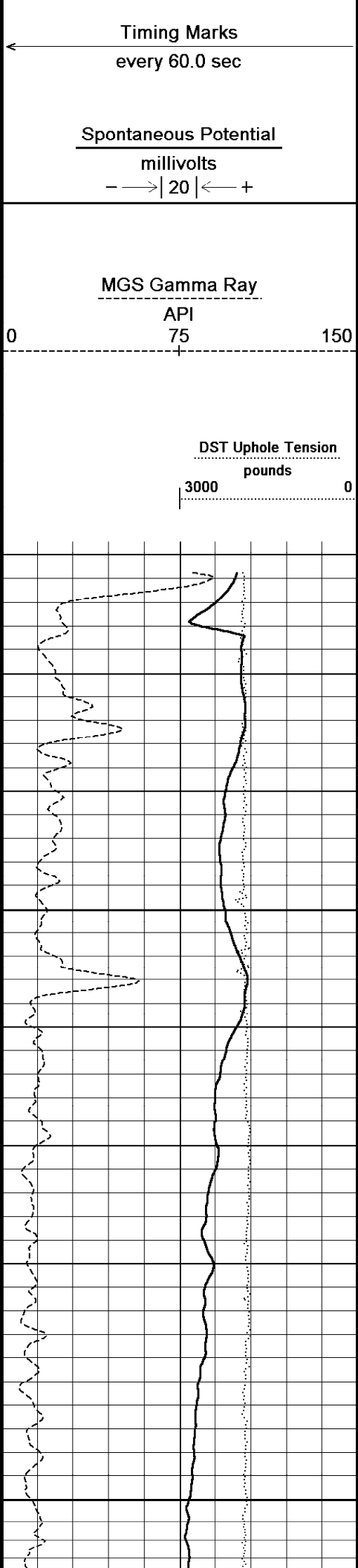
MAIN LOG 1:240 SALTY MODEL

↓

Depth Based Data - Maximum Sampling Increment 10.0cm
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreV...L40 SPLICE_MAIN_SALTY.dta
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256

Plotted on 25-JAN-2007 03:16
Recorded on 24-JAN-2007 18:58

	TVD in	Shallow FE
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1380
TVD

48°

1390
TVD

1400
TVD

1410
TVD

48°

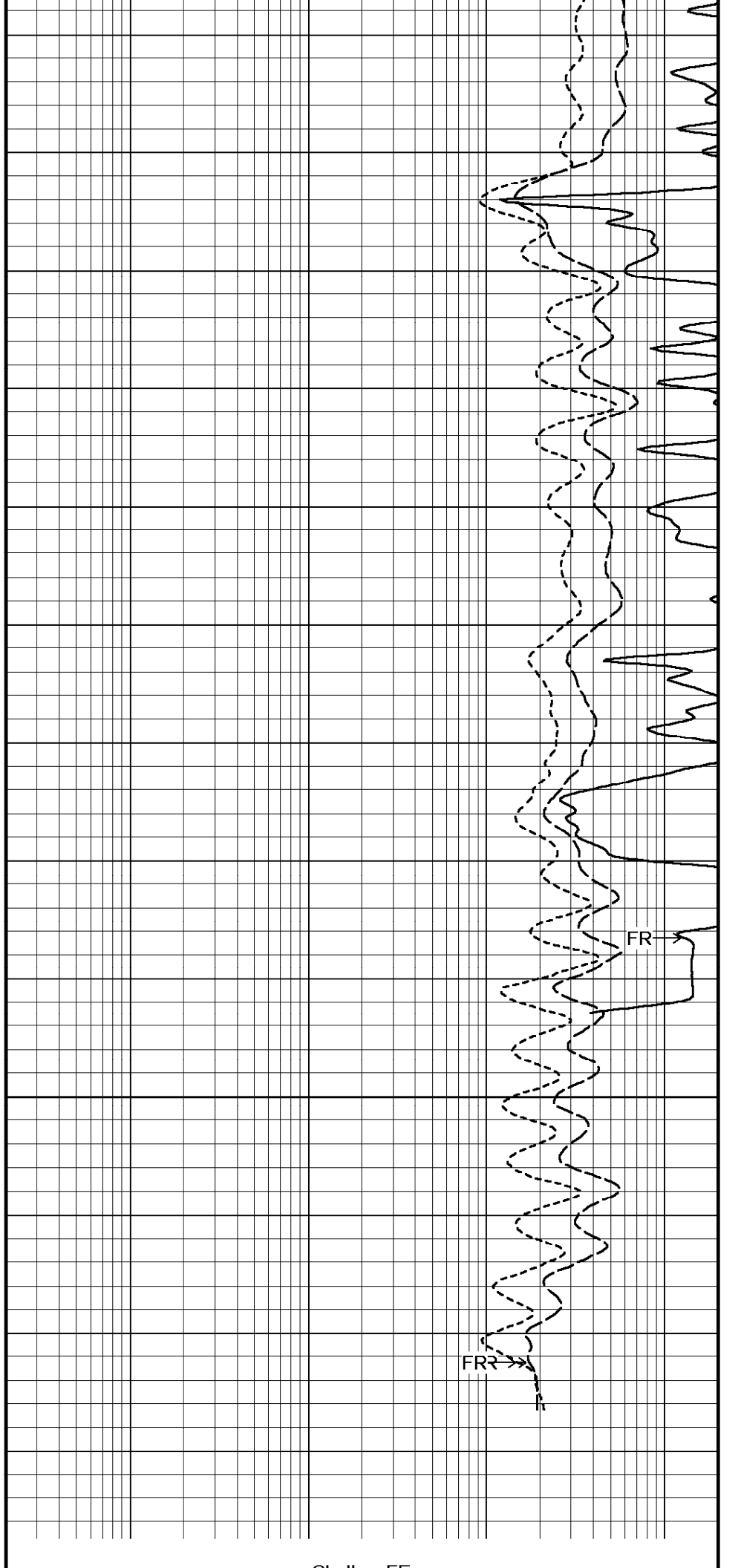
1420
TVD

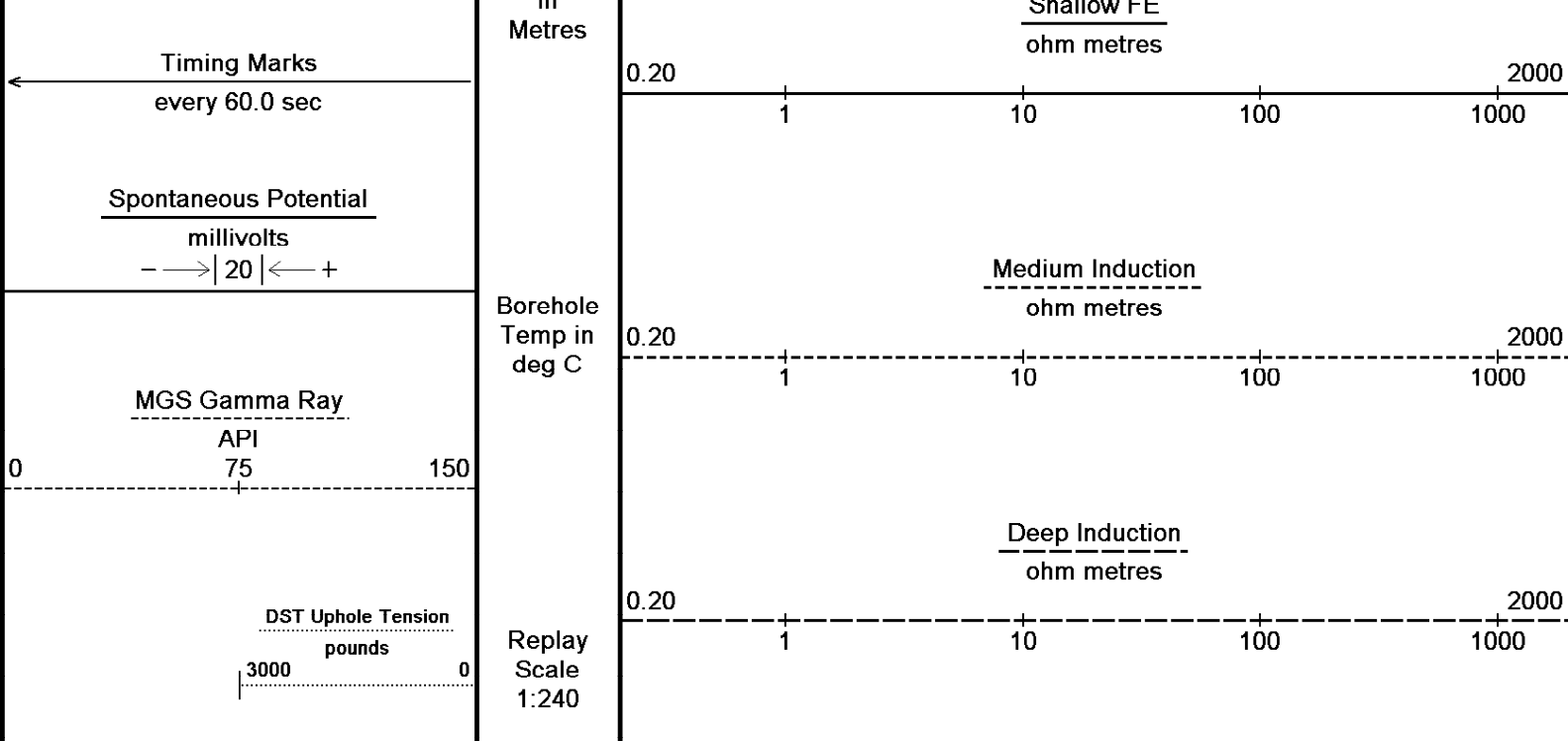
1430
TVD

1440
TVD

1443
TVD

TVD
in



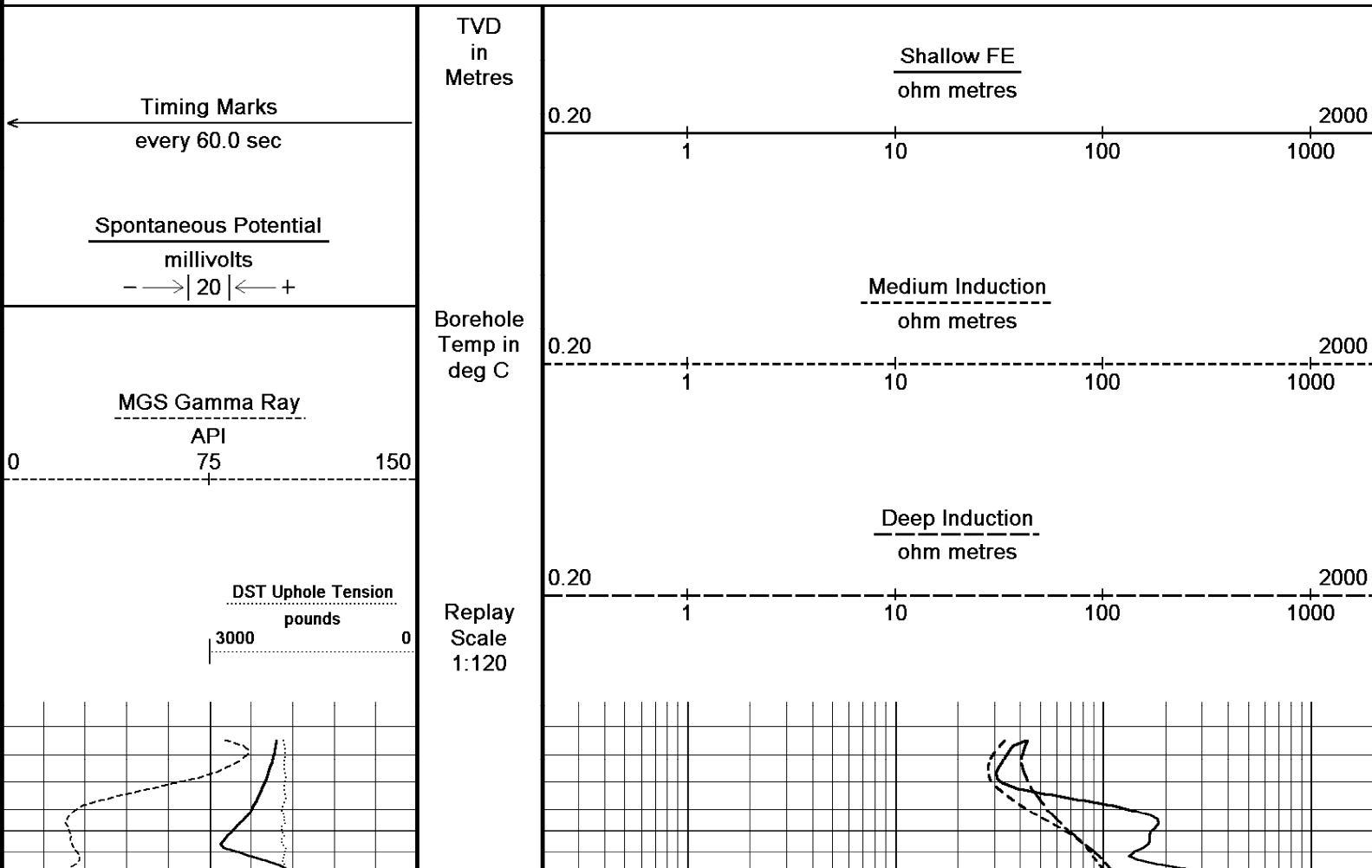


Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JAN-2007 03:16
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreV...L40 SPLICE_MAIN_SALTY.dta	Recorded on 24-JAN-2007 18:58
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256	

↑	MAIN LOG 1:240 SALTY MODEL	↑
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↓	MAIN LOG 1:120 SALTY MODEL	↓
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Depth Based Data - Maximum Sampling Increment 10.0cm	Plotted on 25-JAN-2007 03:16
Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreV...L40 SPLICE_MAIN_SALTY.dta	Recorded on 24-JAN-2007 18:58
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256	





1340
TVD

48°

1345
TVD

1350
TVD

1355
TVD

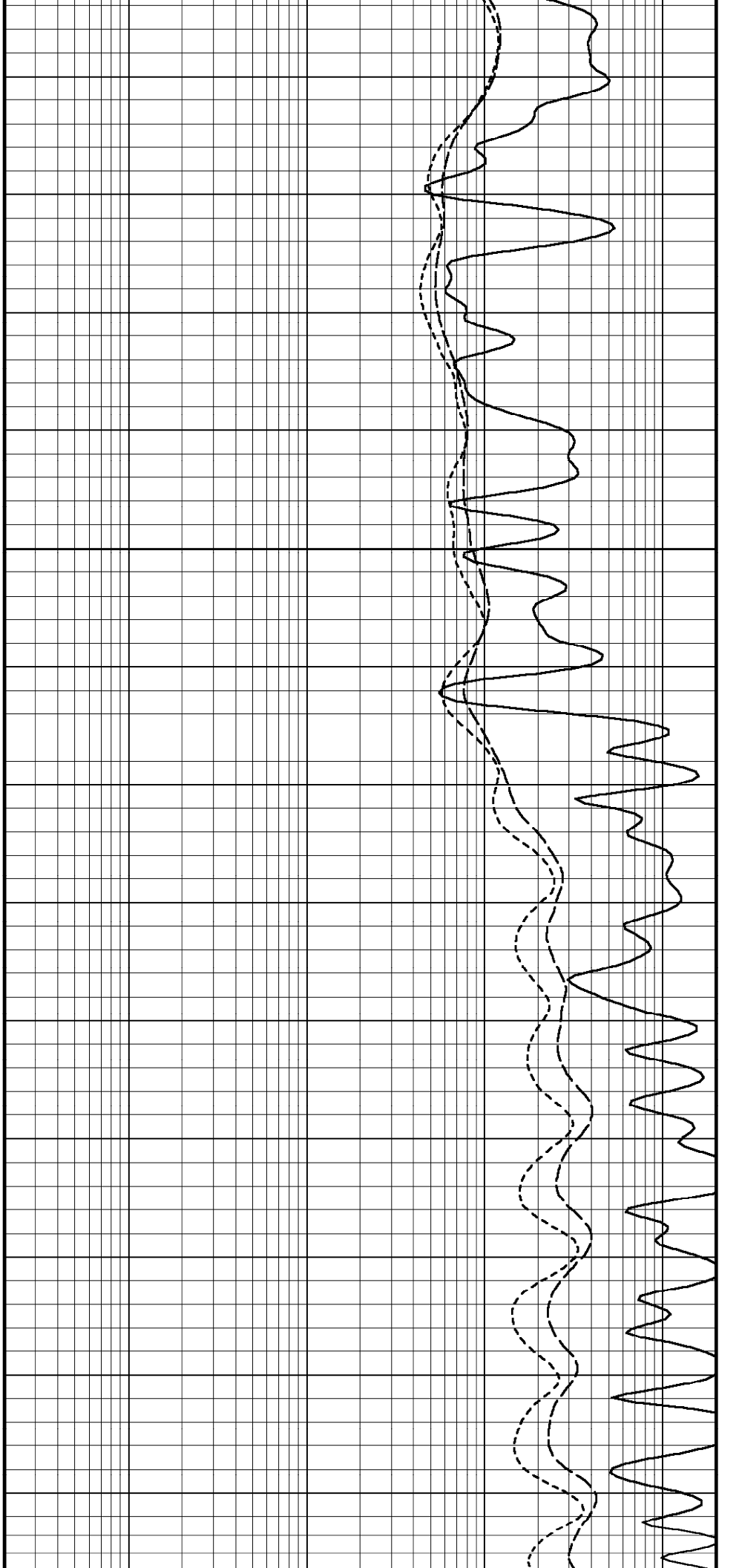
48°

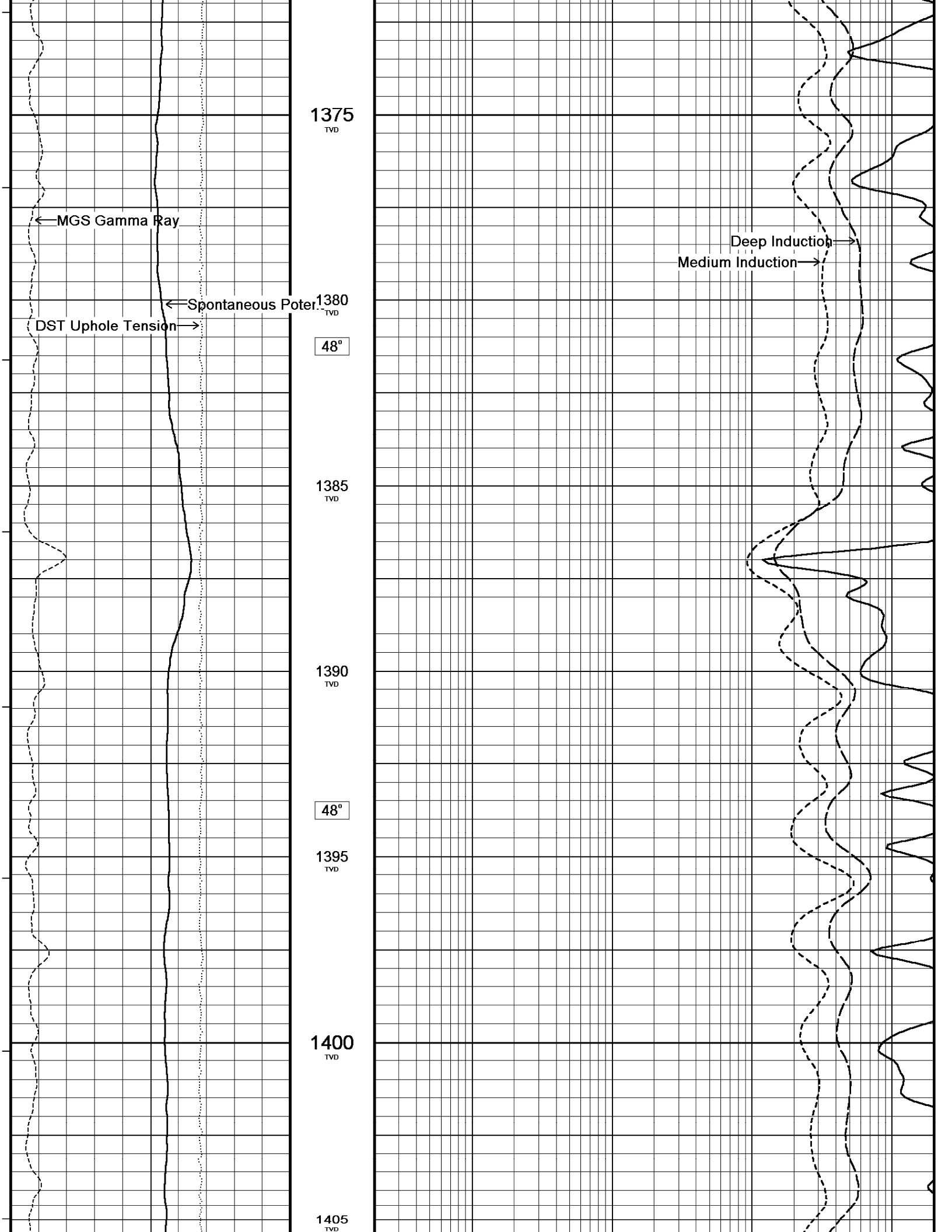
1360
TVD

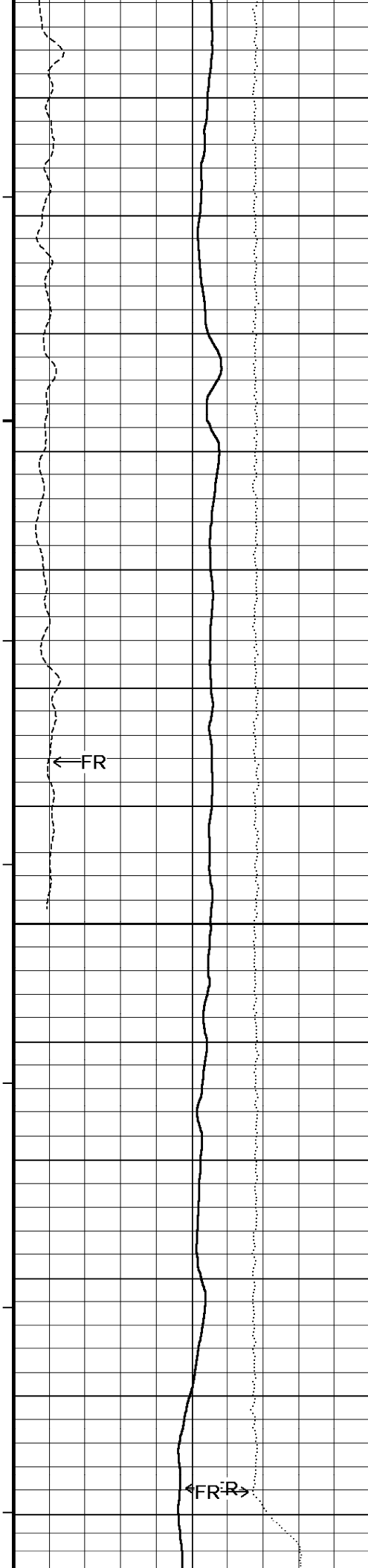
1365
TVD

48°

1370
TVD







48°

1410
TVD

1415
TVD

48°

1420
TVD

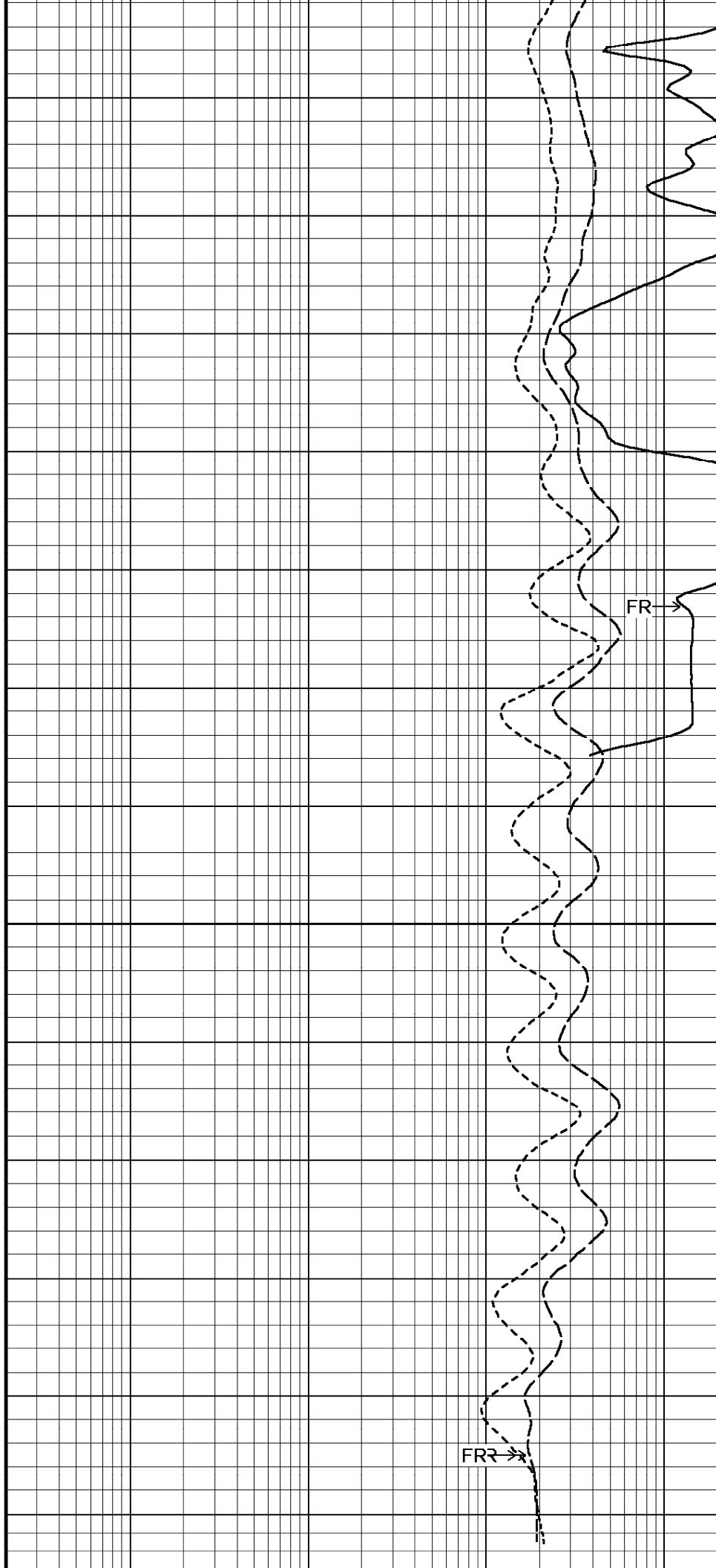
1425
TVD

1430
TVD

1435
TVD

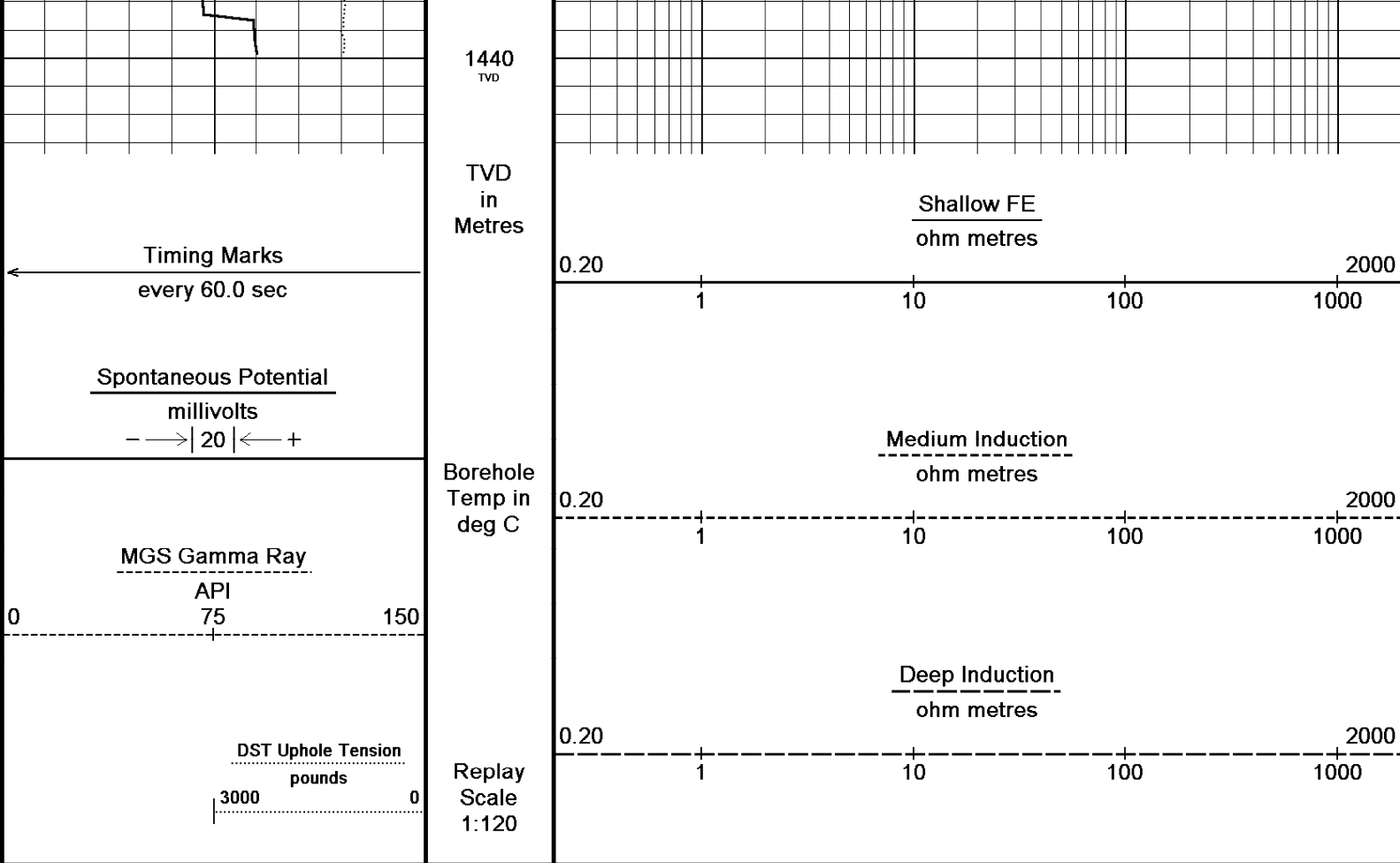
←FR

←FR-R→



←FR

←FR-R→



Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 25-JAN-2007 03:16
 Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreV...L40 SPLICE_MAIN_SALTY.dta
 Recorded on 24-JAN-2007 18:58
 System Versions: Processed with 7.01.0195 Plotted with 7.02.0256

↑ MAIN LOG 1:120 SALTY MODEL ↑

TVD TABLE					
Last Edited: 23-JAN-2007 22:19					
Logged Depth metres	True Depth metres	Logged Depth metres	True Depth metres	Logged Depth metres	True Depth metres
425.00	425.00	675.34	672.52	1079.75	1070.34
429.70	429.70	694.15	690.99	1089.14	1079.61
439.08	439.08	712.95	709.44	1098.88	1089.23
448.47	448.47	731.72	727.88	1108.29	1098.52
458.20	458.20	750.10	745.96	1117.68	1107.79
467.57	467.56	769.28	764.83	1127.08	1117.07
476.97	476.94	788.03	783.28	1136.49	1126.35
486.36	486.29	806.79	801.74	1145.90	1135.63
495.76	495.64	825.57	820.17	1155.29	1144.88
505.49	505.29	844.70	838.93	1164.71	1154.14
514.87	514.59	863.50	857.40	1174.14	1163.40
524.28	523.90	882.31	875.92	1183.53	1172.61
533.68	533.19	901.12	894.46	1192.93	1181.82
543.08	542.46	910.54	903.74	1202.33	1191.03
553.19	552.42	929.36	922.28	1211.75	1200.26
562.58	561.64	948.16	940.79	1221.34	1209.63
572.00	570.88	957.58	950.08	1230.69	1218.77
581.39	580.08	966.43	958.80	1249.30	1236.96
590.76	589.26	976.02	968.25	1296.36	1283.07
600.16	598.49	985.75	977.84	1324.55	1310.74
609.55	607.71	995.17	987.12	1352.98	1338.66
618.95	616.96	1004.59	996.39	1381.18	1366.38
628.33	626.19	1013.98	1005.63	1409.41	1394.19
637.75	635.47	1032.78	1024.11	1437.00	1421.43
647.13	644.73	1051.58	1042.59	1453.00	1437.24
656.52	654.00	1070.37	1061.09		

BEFORE SURVEY CALIBRATION

C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\40PARAQUINTRPT2.dta

General Constants All 000

Last Edited on 23-JAN-2007,22:35

General Parameters

Mud Resistivity	0.600	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	Y Two Arm Caliper	
Annular Volume Diameter	139.700	mm
Caliper for Differential Caliper	Density Caliper	

Rwa Parameters

Porosity used	Base Density Porosity
Resistivity used	Deep Induction
RWA Constant A	0.610
RWA Constant M	2.150

Gamma Calibration MCG 131

Field Calibration on 8-JAN-2007,20:07

	Measured	Calibrated (API)
Background	46	30
Calibrator (Gross)	1264	824
Calibrator (Net)	1219	794

Gamma Constants MCG 131

Last Edited on 24-JAN-2007,19:31

Gamma Calibrator Number	GRC 095	
Mud Density	1110.00	kg/m3
Caliper Source for Processing	Density Caliper	
Tool Position	Centred	
Concentration of KCl	0.00	kppm

SP Calibration MCG 131

Field Calibration on 18-JAN-2007 08:47

	Measured	Calibrated (mV)
Reference 1	100.6	100.0
Reference 2	-100.0	-100.0

High Resolution Temperature Calibration MCG 131

Field Calibration on 15-DEC-2006,15:05

	Measured	Calibrated(Deg C)
Lower	1.00	1.00
Upper	10.00	10.00

High Resolution Temperature Constants MCG 131

Pre-filter Length	11
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FE Calibration MFE 038

Base Calibration on 4-DEC-2006 15:24

Field Check on 23-JAN-2007,22:36

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	974.1	126.8
Base Check		278.0
Field Check		278.7

FE Constants MFE 038

Last Edited on 15-DEC-2006,13:39

Caliper Source for FE correction	Density Caliper	
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	Centred	millimetres

Caliper Calibration MTC 037			Base Calibration on 11-JAN-2007 22:22 Field Calibration on 22-JAN-2007,06:17
Base Calibration			
Reading No	Measured	Calibrator Size (mm)	
1	15375	110.00	
2	18236	162.00	
3	21038	212.00	
4	23830	262.00	
5	26651	311.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (mm)	Actual Caliper (mm)	
	167.00	166.00	
Gamma Calibration MGS 029			Field Calibration on 18-JAN-2007,10:05
	Measured	Calibrated (API)	
Background	58	38	
Calibrator (Gross)	1286	832	
Calibrator (Net)	1228	794	
Gamma Constants MGS 029			Last Edited on 24-JAN-2007,03:16
Gamma Calibrator Number	GRCC095		
Mud Density	1110.00	kg/m3	
Caliper Source for Processing	Density Caliper		
Tool Position	Centred		
Concentration of KCl	0.00	kppm	
SP Calibration MGS 029			Field Calibration on 7-DEC-2006,17:01
	Measured	Calibrated (mV)	
Reference 1	100.0	100.0	
Reference 2	-100.0	-100.0	
High Resolution Temperature Calibration MGS 029			Field Calibration on 7-DEC-2006,17:01
	Measured	Calibrated(Deg C)	
Lower	1.00	1.00	
Upper	5.00	5.00	
High Resolution Temperature Constants MGS 029			
Pre-filter Length	11		
Micro Laterolog Constants MMR 031			
Micro Laterolog K Factor	0.0128		
Standoff Offset	0.0000	inches	
Borehole Correction Constants			
Mud Cake Source	Constant Value		
Mud Cake Thickness	0.4000	inches	
Mud Cake Thickness Caliper	0		
Mud Cake Resistivity	0.1500	ohm-m	
Caliper Calibration MMR 031			Base Calibration on 25-NOV-2006 12:45 Field Calibration on 6-JAN-2007,05:52
Base Calibration			
Reading No	Measured	Calibrator Size (mm)	
1	14823	162.00	
2	18001	212.00	
3	21431	262.00	
4	25325	311.00	
5	0	0.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (mm)	Actual Caliper (mm)	
	200.60	205.70	
Micro Normal and Micro Inverse Calibration MMR 031			Base Calibration on 25-NOV-2006,12:58

Base Calibration

Channel	Resistor 1	Measured		Calibrated (ohm-m)	
		Resistor 2	Resistor 1	Resistor 2	
Micro Normal	9.9	49.1	5.1	25.6	
Micro Inverse	9.8	49.8	3.4	16.9	
Channel	Base Check (ohm-m)		Field Check (ohm-m)		
Micro Normal	94.7		94.7		
Micro Inverse	61.5		61.5		

Micro Normal and Micro Inverse Constants MMR 031

Last Edited on 25-NOV-2006,14:14

Micro Normal K Factor	0.5110	
Micro Inverse K Factor	0.3380	
Standoff Offset	0.0000	millimetres

Neutron Calibration MDN 016

Base Calibration on 11-JAN-2007 20:47

Field Check on 23-JAN-2007 22:05

Base Calibration					
Ratio	Measured		Calibrated (cps)		
	Near	Far	Near	Far	
	3219	98	3714	110	
	32.703		33.764		
Field Calibrator at Base					
Ratio			Calibrated (cps)		
			2486	3648	
			0.681		
Field Check					
Ratio			Calibrated (cps)		
			2511	3822	
			0.657		

Neutron Constants MDN 016

Last Edited on 15-JAN-2007,07:16

Neutron Source Id	277	
Neutron Jig Number	N636	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	mm
Mud Density	1000.00	kg/m3
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	Constant Value	
Formation Pressure	0.00	kPa
Temperature Source	Constant Value	
Temperature	20.00	degrees C
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

Photo Density Calibration MPD 093

Base Calibration on 19-JAN-2007,19:16

Field Check on 23-JAN-2007 22:00

Density Calibration					
Base Calibration		Measured		Calibrated (sdu)	
	Near	Far		Near	Far
Reference 1	71274	37606		60352	31615
Reference 2	29326	2540		25043	2540
Field Check at Base					
	0.0	0.0			
Field Check					
	741.6	865.3			
PE Calibration					
Base Calibration		Measured		Calibrated	
	WS	WH	Ratio	Ratio	
Background	133	653			
Reference 1	29377	71091	0.415	0.400	

Reference 2 7941 29220 0.273 0.272

Field Check at Base

133.0 649.2

Field Check

134.6 655.5

Density Constants MPD 093

Last Edited on 24-JAN-2007,03:16

Density Source Id 16151b
 Nylon Calibrator Number 608
 Aluminium/Fe Calibrator Number 608
 Density Shoe Profile 4 inch
 Caliper Source for Processing Density Caliper
 PE Correction to Density Not Applied
 Mud Density 1110.00 kg/m3
 Mud Density Z/A Correction 1.11
 Mud Filtrate Density 1000.00 kg/m3
 Dry Hole Mud Filtrate Density 1000.00 kg/m3
 DNCT 0.00 kg/m3
 CRCT 0.00 kg/m3

Matrix Density (kg/m3)	Depth (m)
2710.00	
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

Caliper Calibration MPD 093

Base Calibration on 11-JAN-2007 21:58
 Field Calibration on 22-JAN-2007,06:17

Base Calibration

Reading No	Measured	Calibrator Size (mm)
1	15040	110.00
2	23085	162.00
3	31440	212.00
4	40233	262.00
5	49152	311.00
6	N/A	N/A

Field Calibration

Measured Caliper (mm)	Actual Caliper (mm)
166.00	165.00

Sonic Constants MSS 075

Last Edited on 18-JAN-2007,10:05

Maximum Boundary Contrast 328.08 micro-sec/m
 Fluid Transit Time 620.08 micro-sec/m
 Limestone Transit Time 155.84 micro-sec/m
 Sandstone Transit Time 182.09 micro-sec/m
 Dolomite Transit Time 142.72 micro-sec/m
 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

Induction Calibration MAI 092				Base Calibration on 19-JAN-2007 19:26	
				Field Check on 23-JAN-2007 22:08	
Base Calibration					
Test Loop Calibration		Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High	
1	17.5	473.2	9.3	966.2	
2	5.9	374.5	7.6	821.4	
3	2.8	255.0	5.2	566.0	
4	1.3	130.5	2.6	279.2	
Array Temperature		23.9	Deg C		
Channel	Base Check (mmho/m)		Field Check (mmho/m)		
	Low	High	Low	High	
1	10.3	3853.0	6.5	3842.8	
2	30.0	3605.8	28.7	3599.3	
3	29.7	3109.7	28.9	3103.7	
4	20.7	2116.7	20.6	2113.5	
Deep	19.0	2017.4	18.7	2013.4	
Medium	43.3	4115.3	42.3	4107.3	
Shallow	43.5	5343.3	41.2	5333.9	
Array Temperature		11.6	-16.7		Deg C

Induction Constants MAI 092			Last Edited on 20-JAN-2007,04:19	
Induction Model		VECTAR		
Caliper for Borehole Corr.		Density Caliper		
Hole Size for Borehole Correction		N/A	millimetres	
Stand-off		25.40	millimetres	
Number of Fins on Stand-off		5.0000		
Stand-off Fin Width		12.7000	millimetres	
Borehole Corr. Rm Source		Temperature Corr		
Temp. for Rm Corr.		MCG External Temperature		
Squasher Start		0.0020	mhos/metre	
Borehole Normalisation				
DRM1	0.0000	DRC1	0.0000	
DRM2	0.0000	DRC2	0.0000	
MRM1	0.0000	MRC1	0.0000	
MRM2	0.0000	MRC2	0.0000	
SRM1	0.0000	SRC1	0.0000	
SRM2	0.0000	SRC2	0.0000	
Calibration Site Corrections				
Channel 1		0.00	mmhos/metre	
Channel 2		0.00	mmhos/metre	
Channel 3		0.00	mmhos/metre	
Channel 4		0.00	mmhos/metre	

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m

High Resolution Temperature Calibration MAI 092

Field Calibration on 13-SEP-2005,13:50

	Measured	Calibrated(Deg C)
Lower	1.00	1.00
Upper	50.00	50.00

High Resolution Temperature Constants MAI 092

Pre-filter Length	11
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DOWNHOLE EQUIPMENT

C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40PARAQUINTRPT2.dta

Compact Gamma
MCG 131 Length: 2.65 m Weight: 63.9 lb

20.98 m GRGC - Gamma Ray

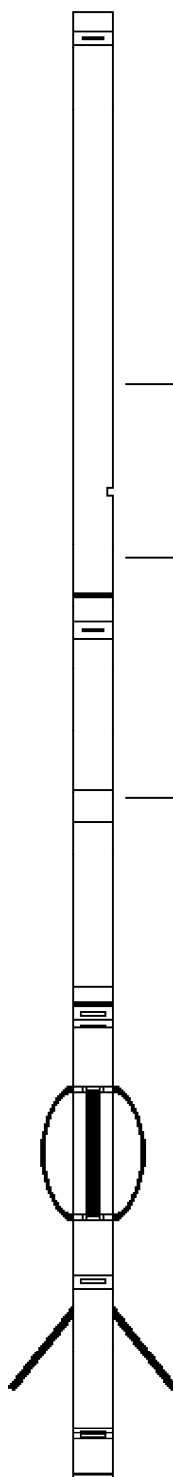
20.10 m CGXT - MCG External Temperature

Compact Focussed Electric
MFE 38 Length: 1.84 m Weight: 48.5 lb

18.98 m FEFE - Shallow FE

Compact Two Arm Caliper
MTC 37 Length: 2.17 m Weight: 61.7 lb

16.53 m CLYC - Y Two Arm Caliper



Compact Short Gamma
MGS 29 Length: 1.04 m Weight: 24.3 lb

15.66 m GRGM - MGS Gamma Ray

Compact InterSonde Crank
ISC 151 Length: 0.71 m Weight: 24.3 lb

Compact Micro-Resistivity
MMR 31 Length: 2.62 m Weight: 81.6 lb

12.10 m MINV - MMR MicroLog Inverse
12.10 m MBTC - MMR Caliper
12.10 m MNRL - MMR MicroLog Normal

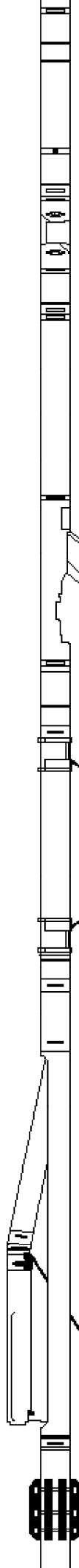
Compact Neutron
MDN 16 Length: 1.53 m Weight: 50.7 lb

10.64 m NPRL - Limestone Neutron Por.

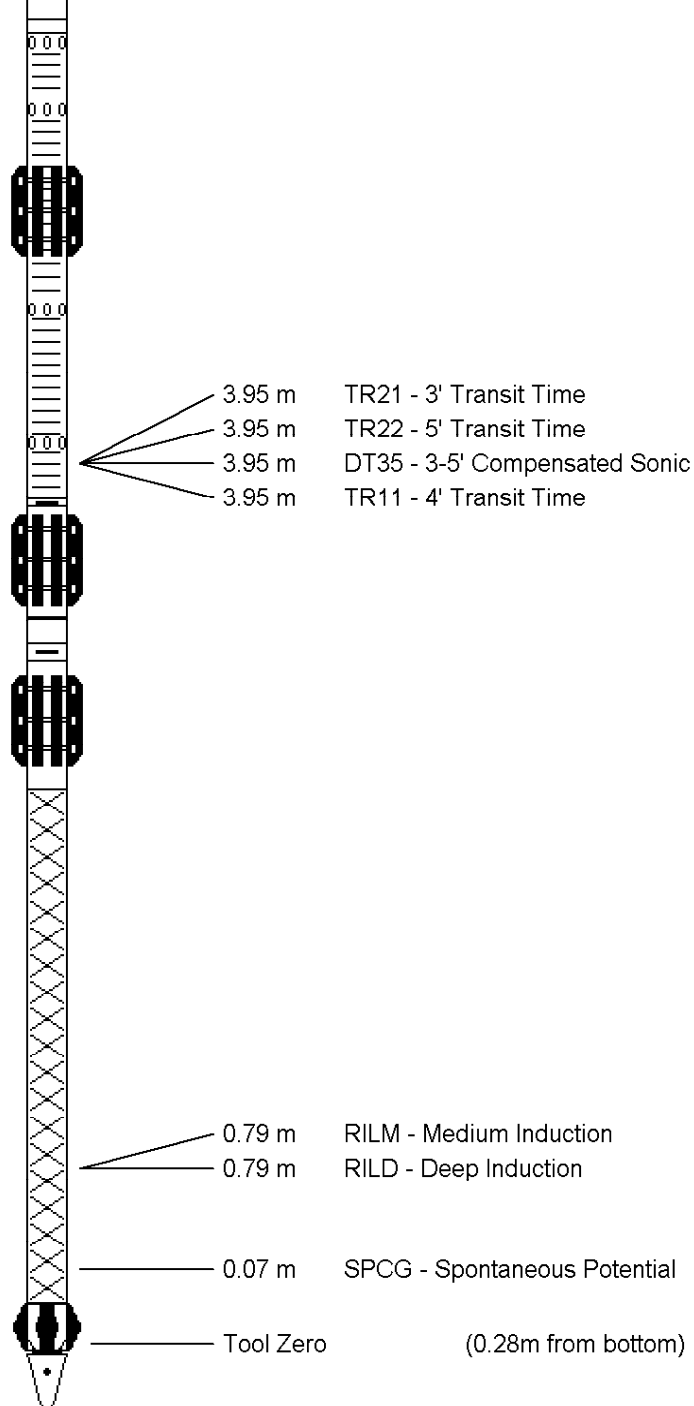
Compact Density/Caliper
MPD 93 Length: 2.92 m Weight: 90.4 lb

8.06 m CLDC - Density Caliper
7.85 m DCOR - Density Correction
7.85 m DPRL - Limestone Density Por.
7.83 m PDPE - PE

Compact Sonic
MSS 75 Length: 3.82 m Weight: 72.8 lb



Compact Induction
MAI 92 Length: 3.29 m Weight: 48.5 lb



Compact Hole Finder
HFS 1 Length: 0.24 m Weight: 2.2 lb
Total Length: 22.83 m Weight: 568.8 lb

All measurements relative to tool zero.

COMPANY	PARAMOUNT RESOURCES LTD.
WELL	PARA ET AL CAMERON L40
FIELD	CAMERON HILLS
PROVINCE	NORTHWEST TERRITORIES
COUNTRY	CANADA

Elevation Kelly Bushing	690.10	metres	First Reading	1436.20	metre
Elevation Drill Floor		metres	Depth Driller	1437.20	metres
Elevation Ground Level	684.70	metres	Depth Logger	1437.50	metres



Weatherford®

TRUE VERTICAL DEPTH
ARRAY INDUCTION

