



MEASURED DEPTH MINIPILOT

COMPANY	PARAMOUNT RESOURCES LTD.			
WELL	PARA ET AL CAMERON L40			
FIELD	CAMERON HILLS			
PROVINCE	NORTHWEST TERRITORIES			
COUNTRY	CANADA			
LOCATION	300L406010117300			
LSD	SEC	TWP	RGE	Other Services
API Number	COMPENSATED SONIC			
Permit Number	2045 MICROLOG			
Permanent Datum OUND LEVEL, Elevation 684.70 metres				Elevations: KB 690.10 metres DF 684.70 metres GL
Log Measured From 5.4 Mabove Permanent Datum				
Drilling Measured From KELLY BUSHING				
Date	24-JAN-2007			
Run Number	1			
Depth Driller	1453.00 metres			
Depth Logger	1453.30 metres			
First Reading	1452.00 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

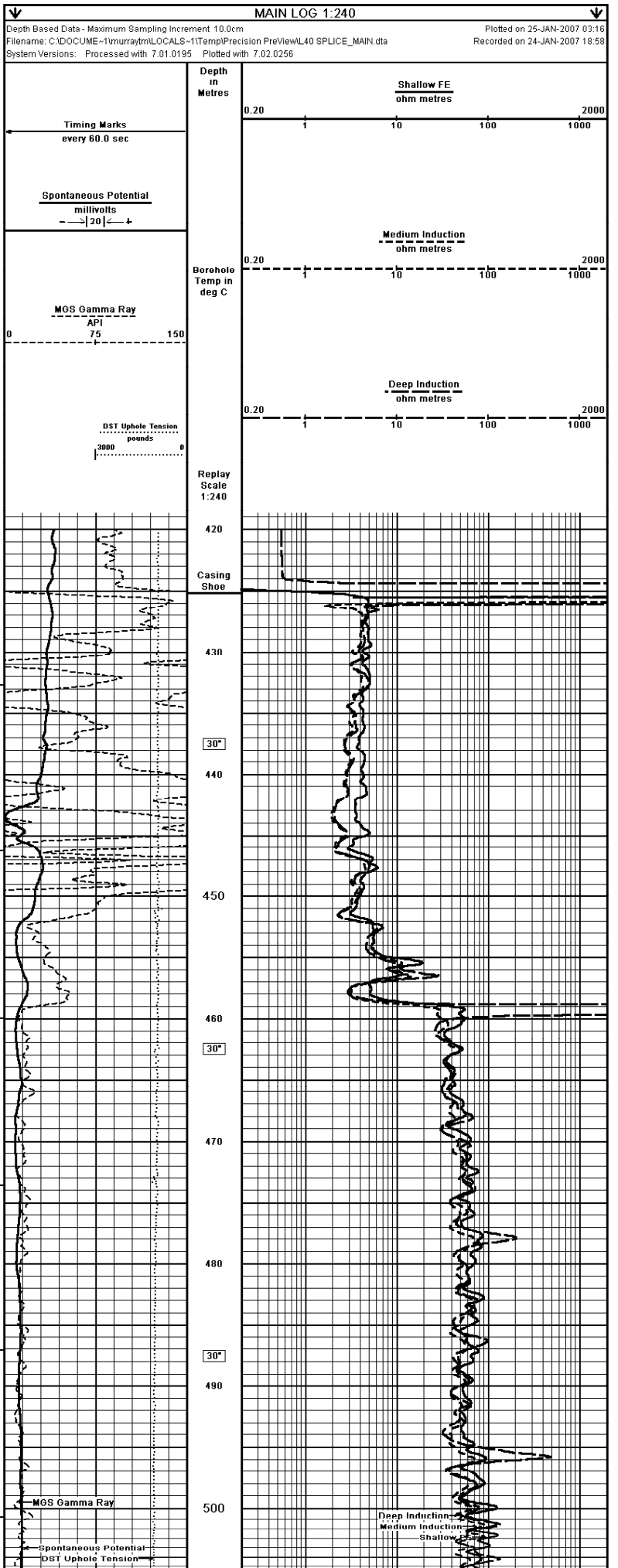
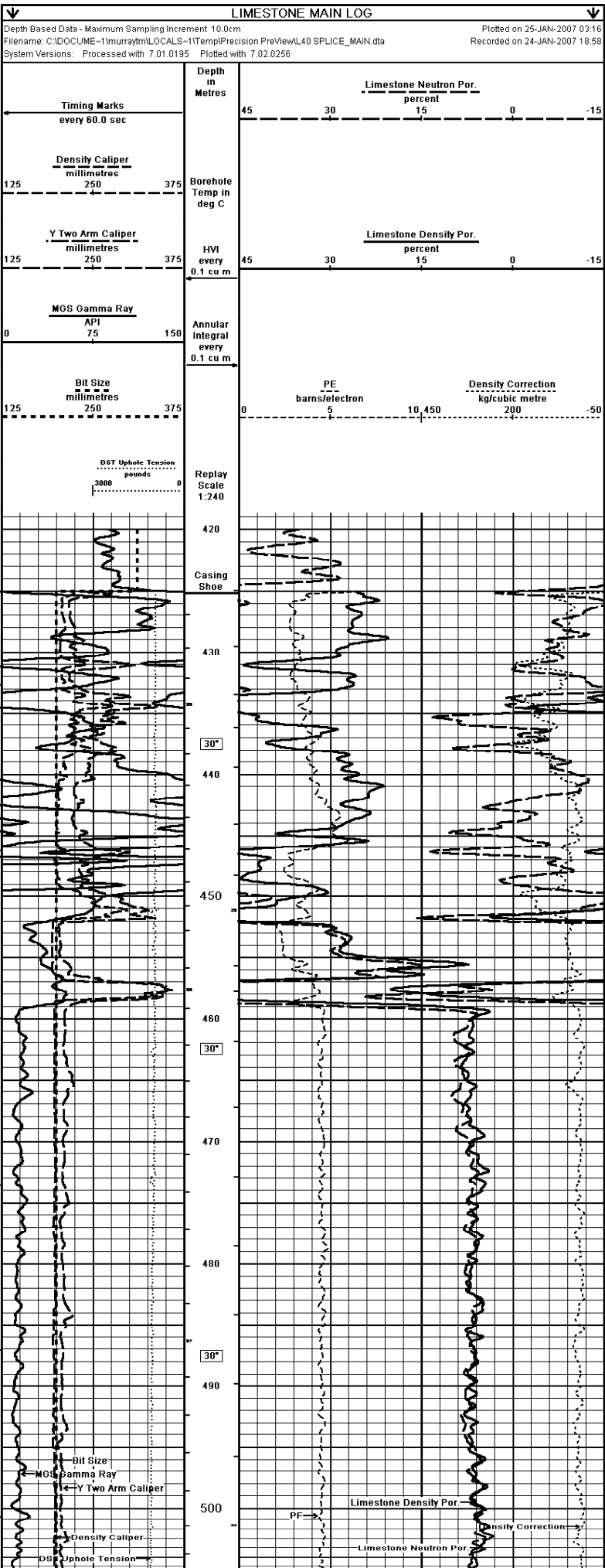
CASING RECORD

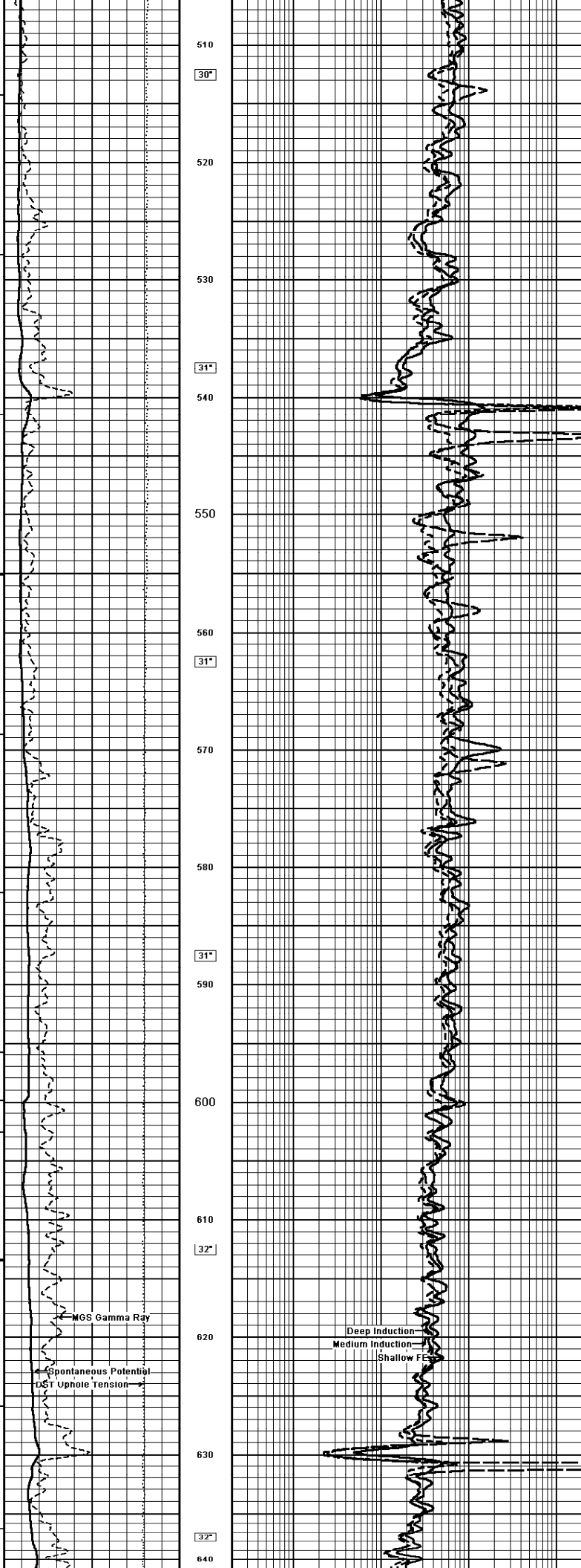
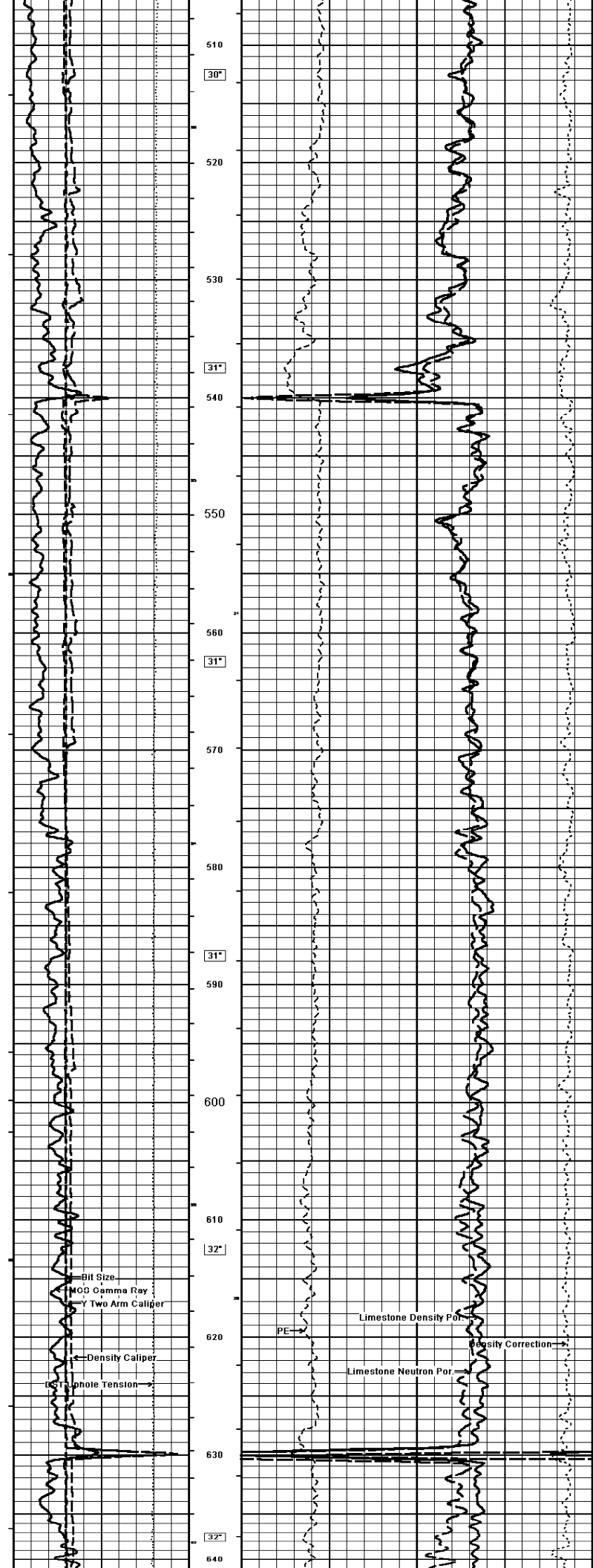
Type	Size millimetres	Depth From metres	Shoe Depth metres	Weight pounds/ft
SURFACE	219.100	0.00	425.00	24.00

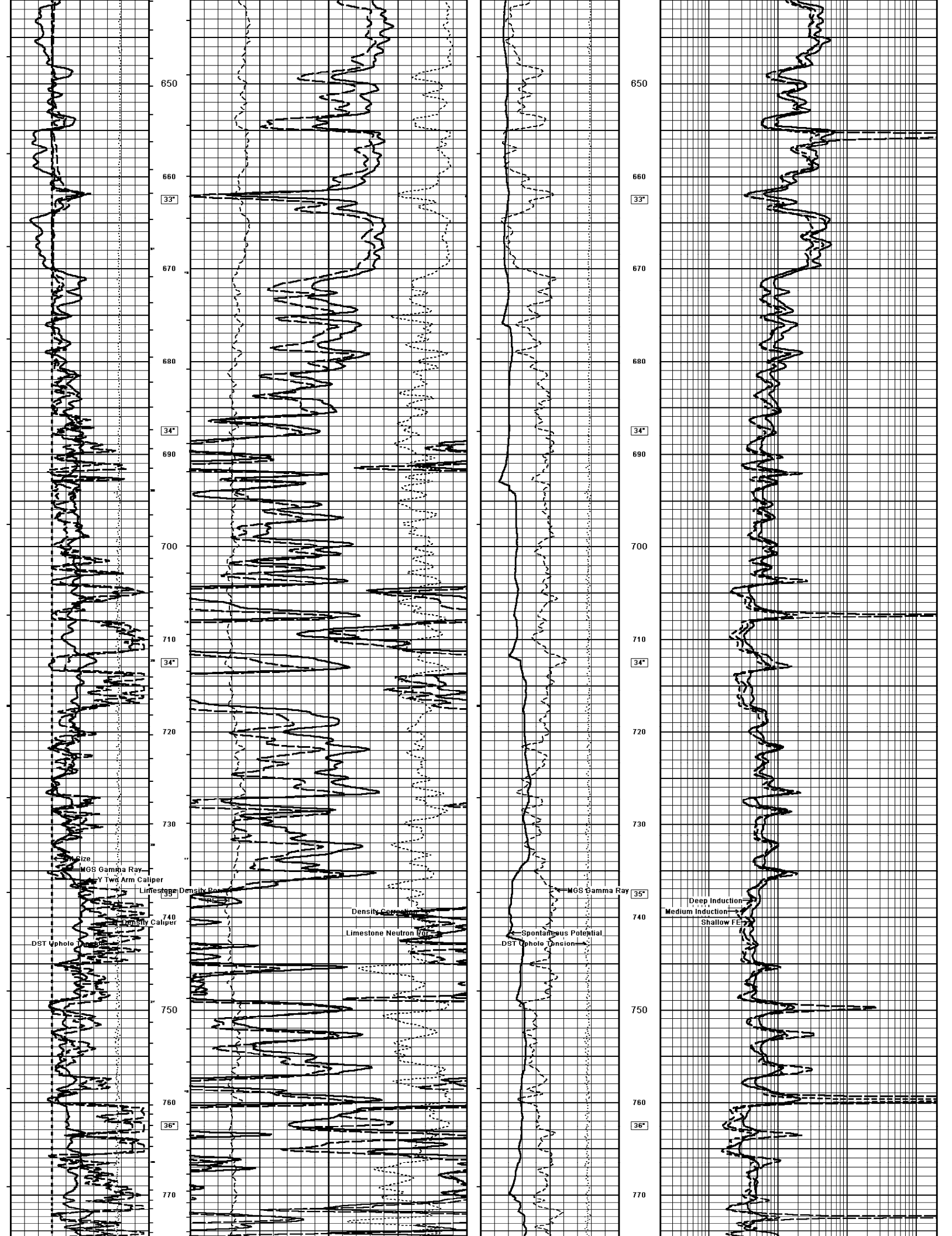
REMARKS

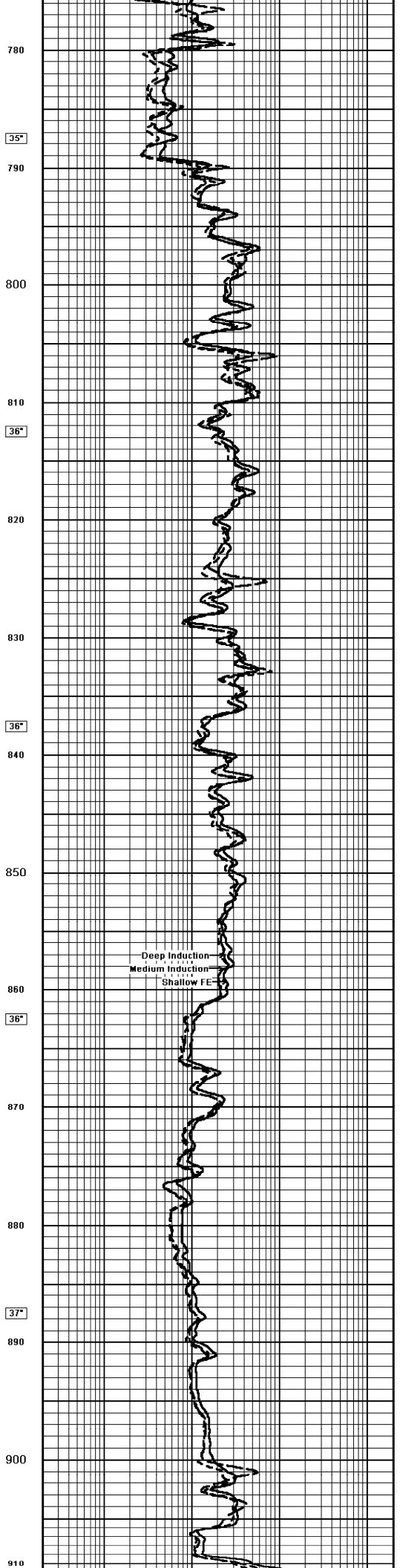
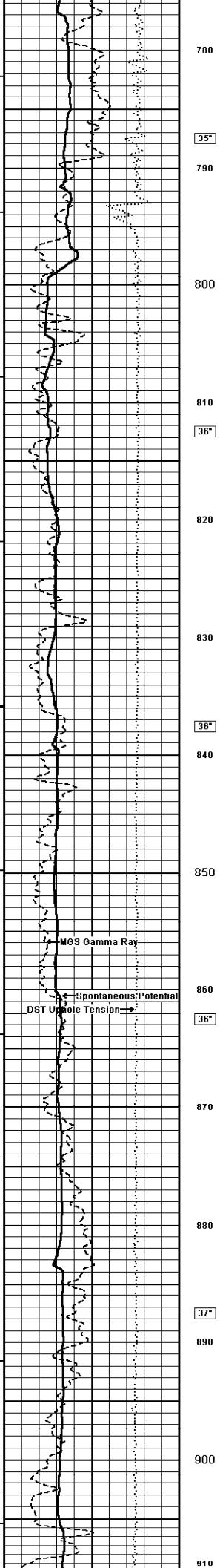
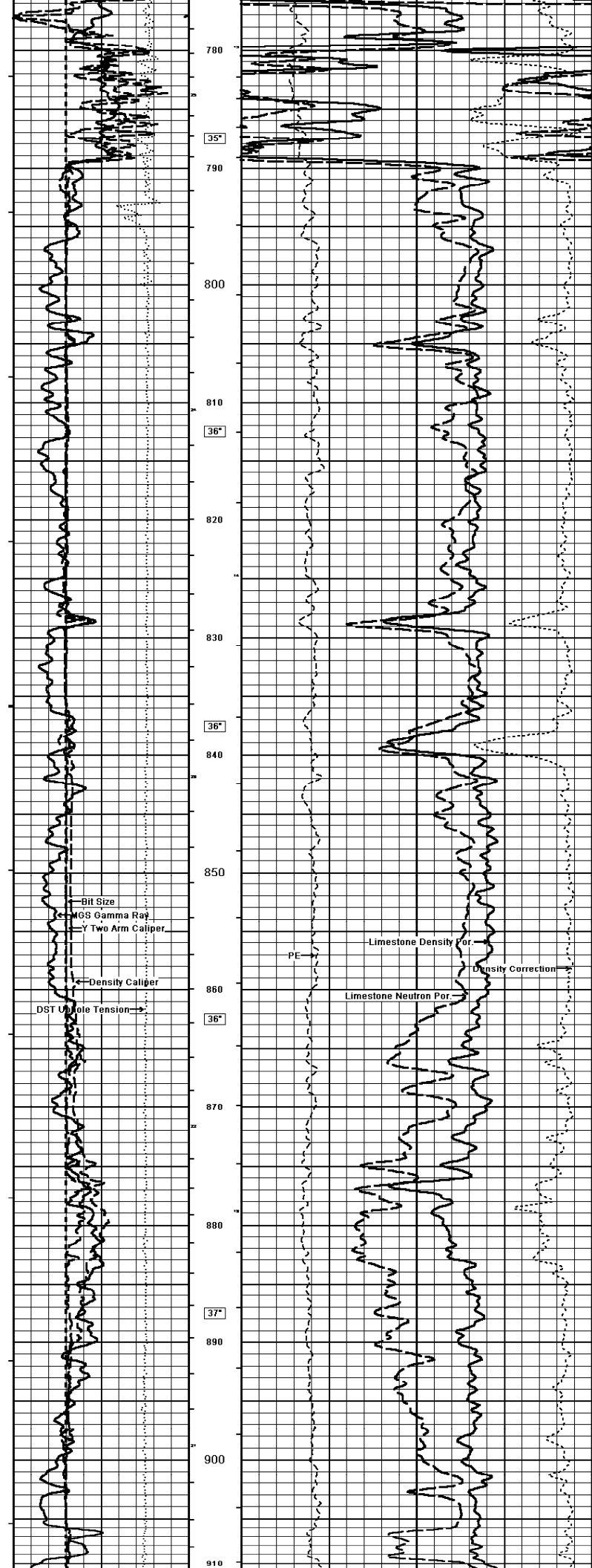
- 1) SOFTWARE ISSUE: WLS 7.01.0195
- 2) CUSTOMER SCALES AND INTERVALS LOGGED.
- 3) MAI, MSS, MPD, MDN, MMR, ISC, MGS, MTC, MCG RAN IN COMBINATION.
- 4) HARDWARE: MAI: TWO 25.4 MM STANDOFFS
MDN: DUAL NEUTRON BOWSPRING
MTC: ONE SIX-LEAF CENTRALIZER
MSS: THREE 25.4 MM STANDOFFS
- 5) SAP# 4145923 # FIELD 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

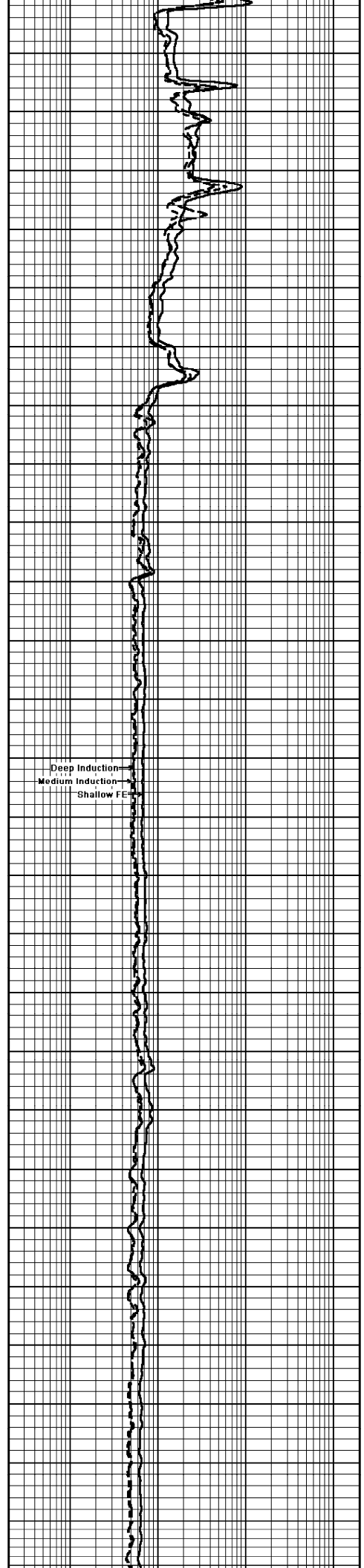
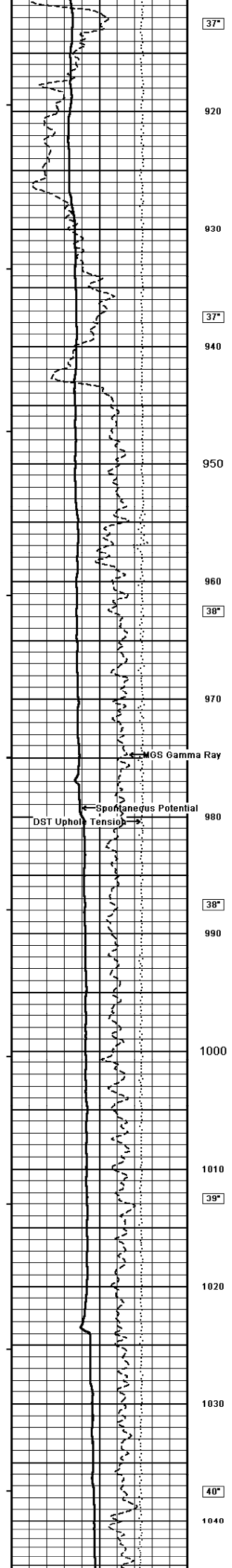
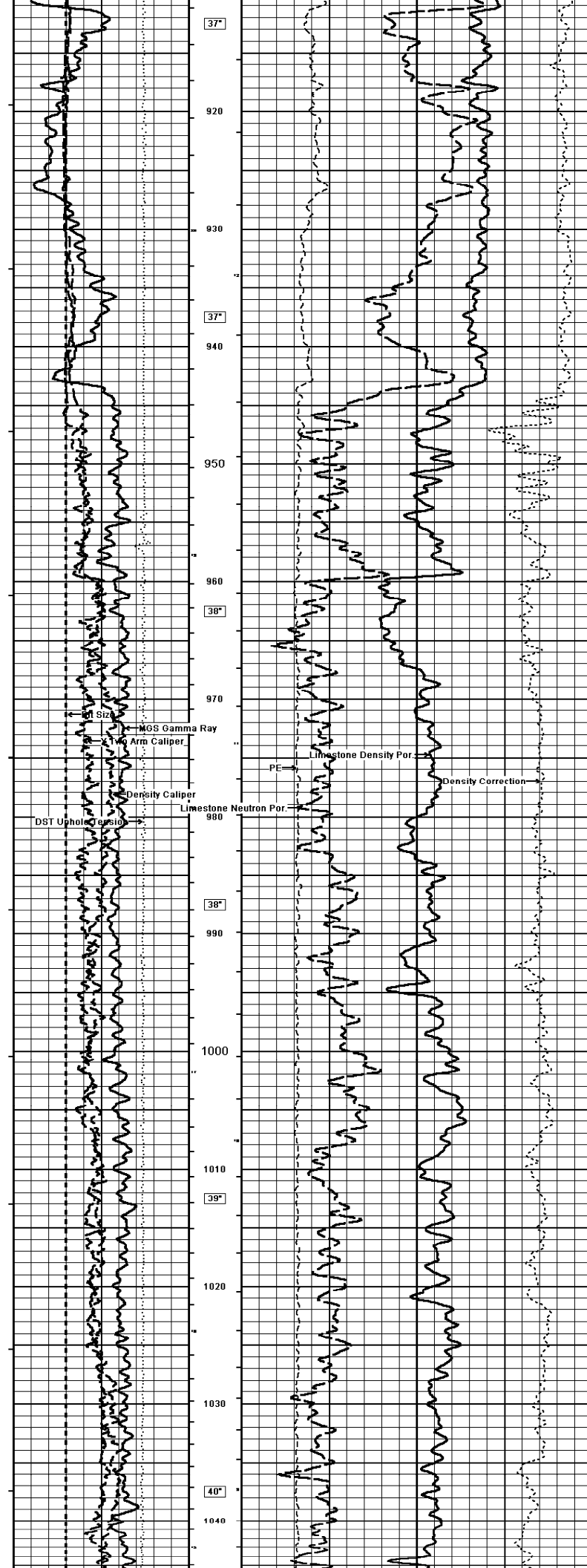
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any

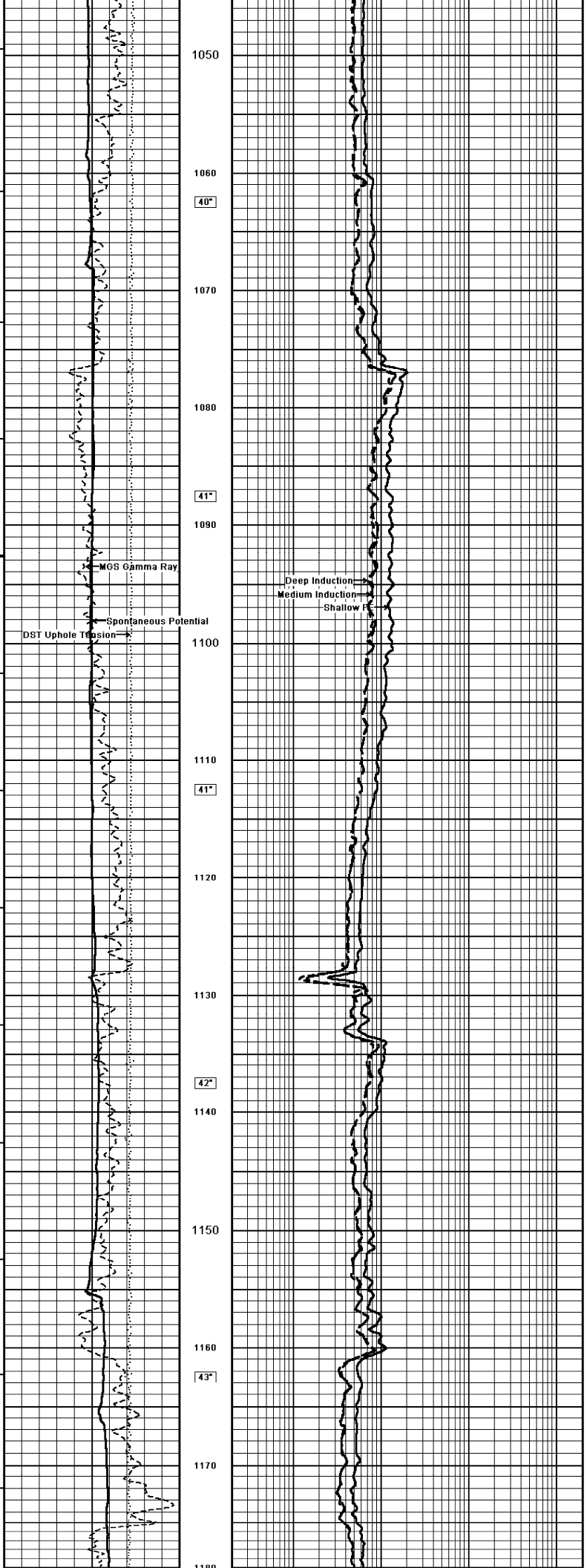
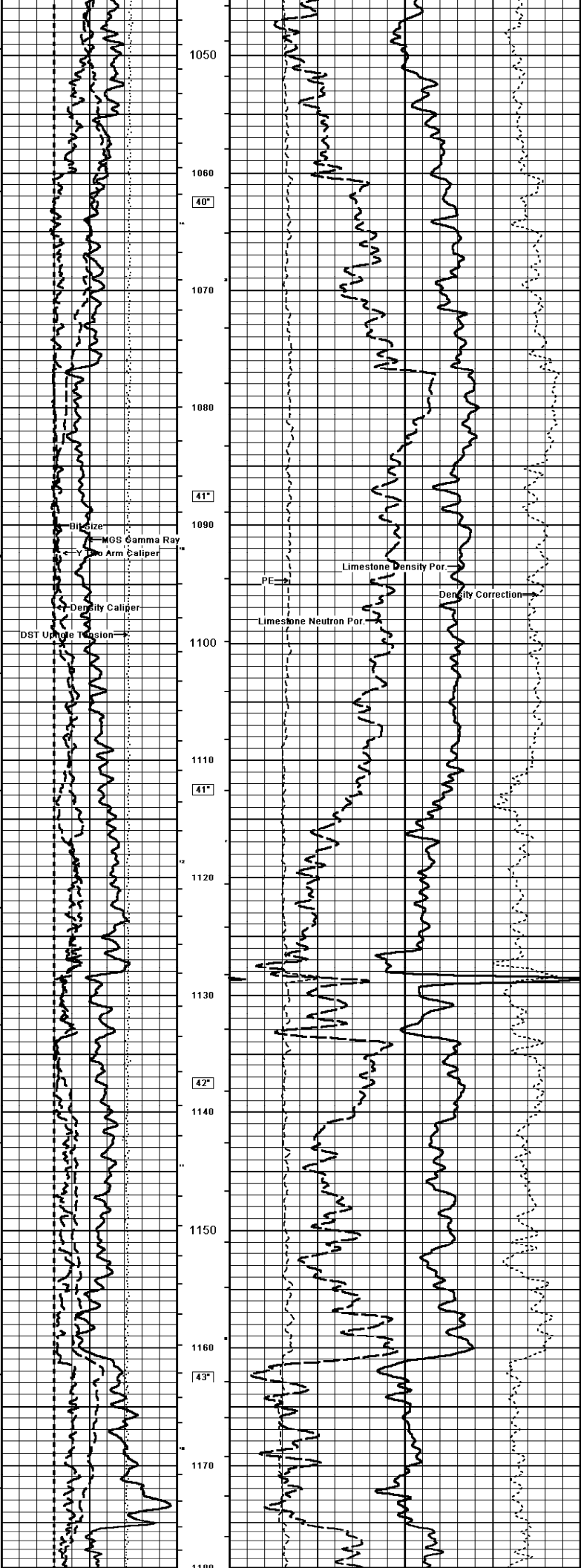


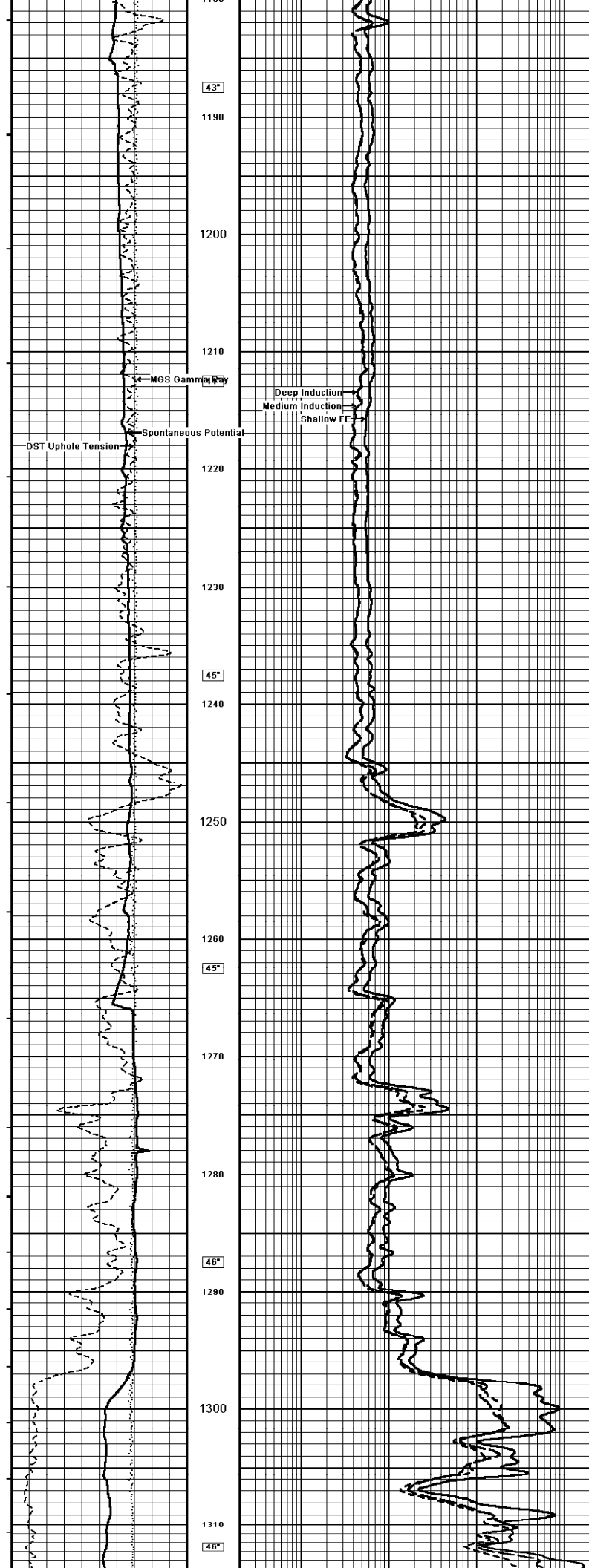
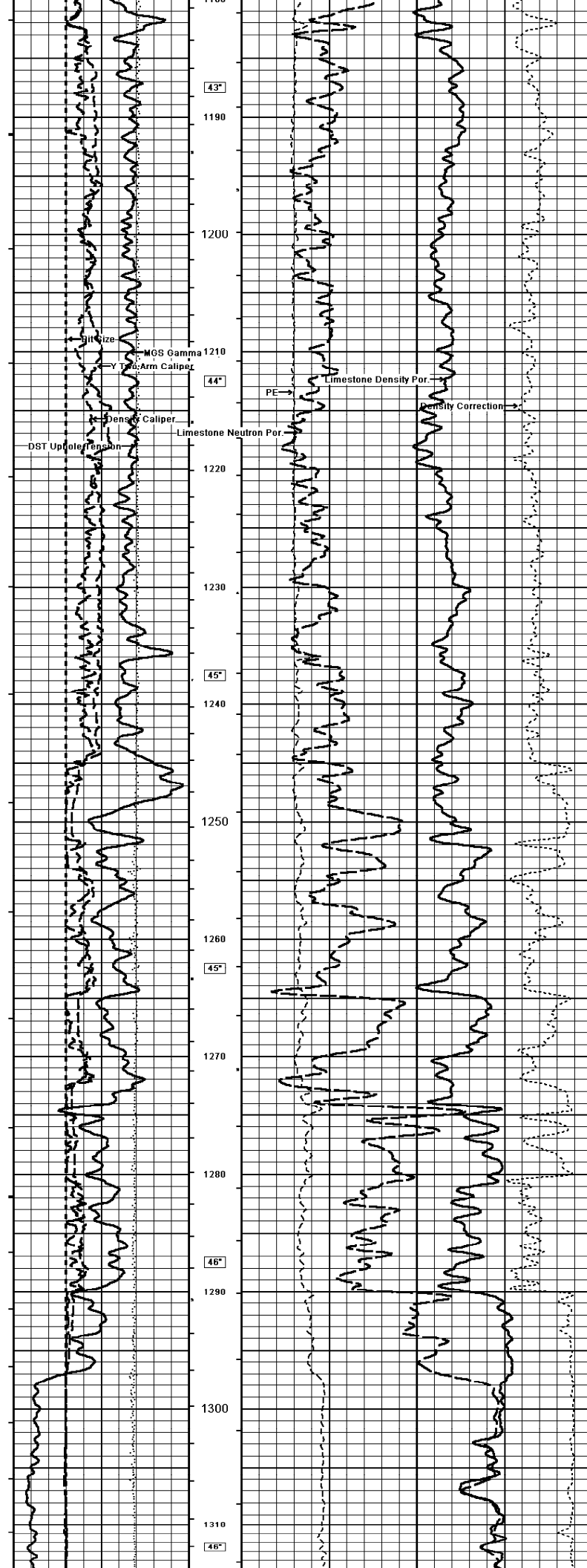


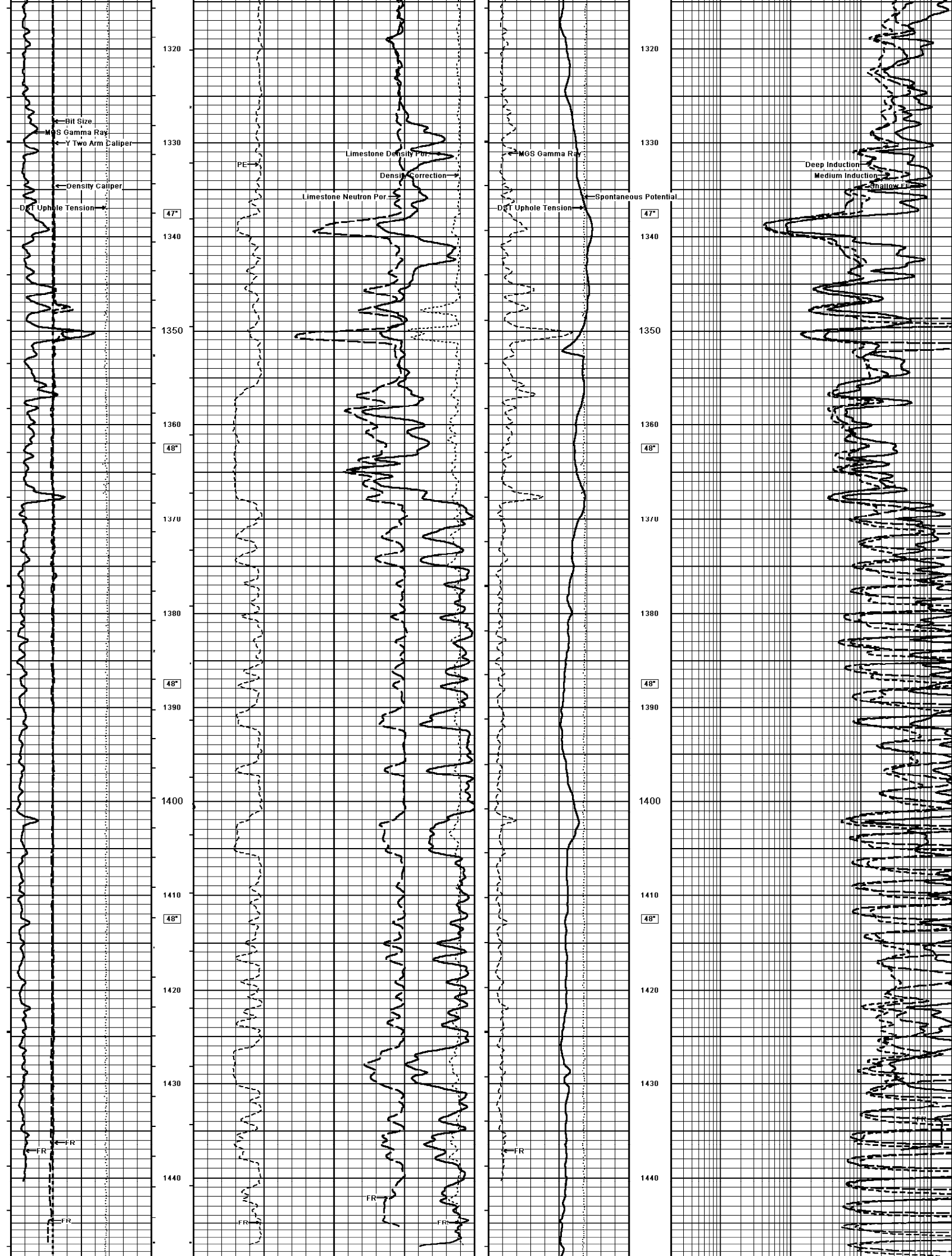


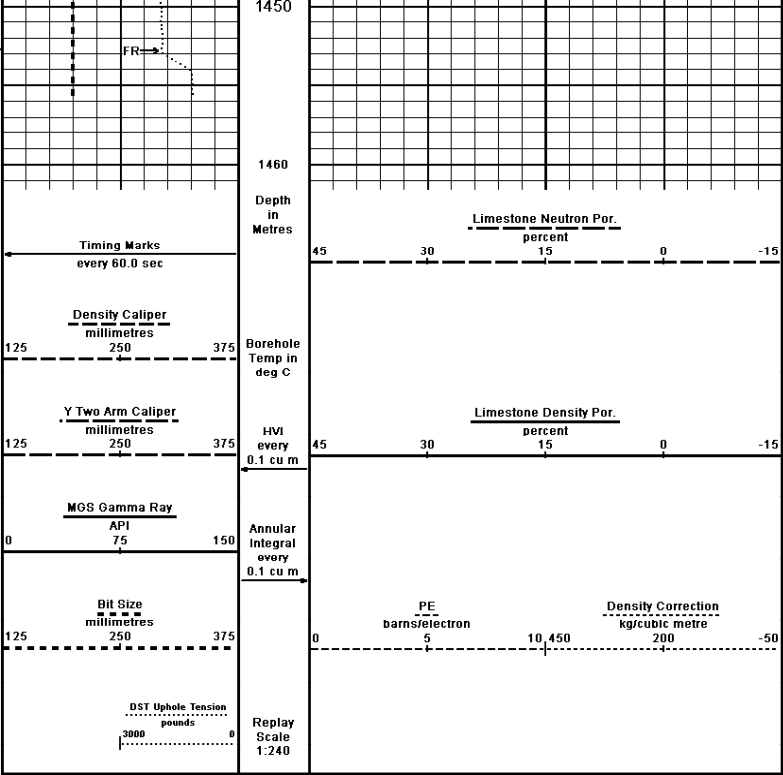






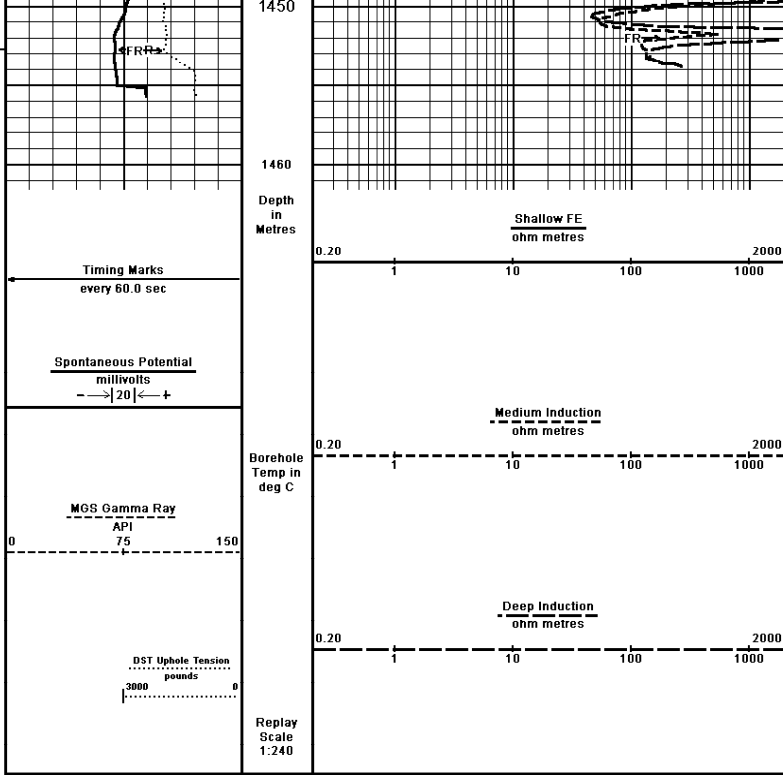






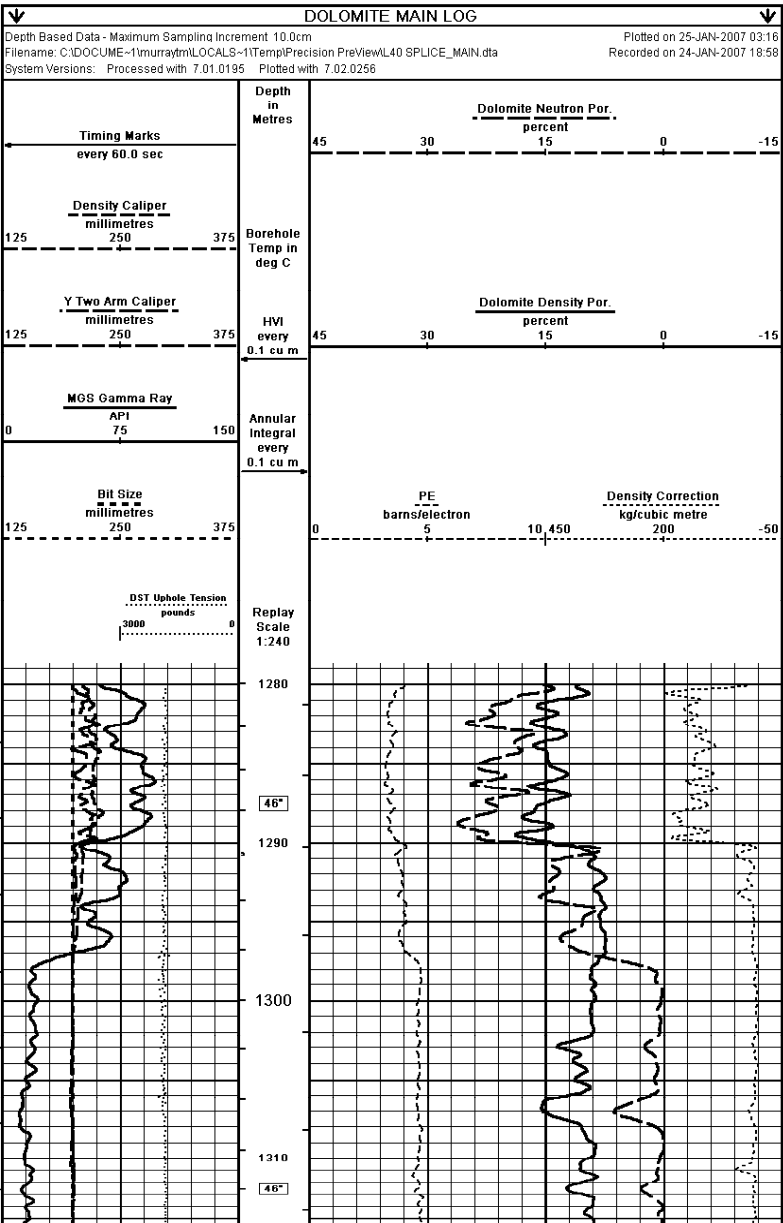
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Filename: C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\40 SPLICE_MAIN.dta
System Versions: Processed with 7.01.0195 Plotted with 7.02.0256
Plotted on 25-JAN-2007 03:16
Recorded on 24-JAN-2007 18:58

LIMESTONE MAIN LOG



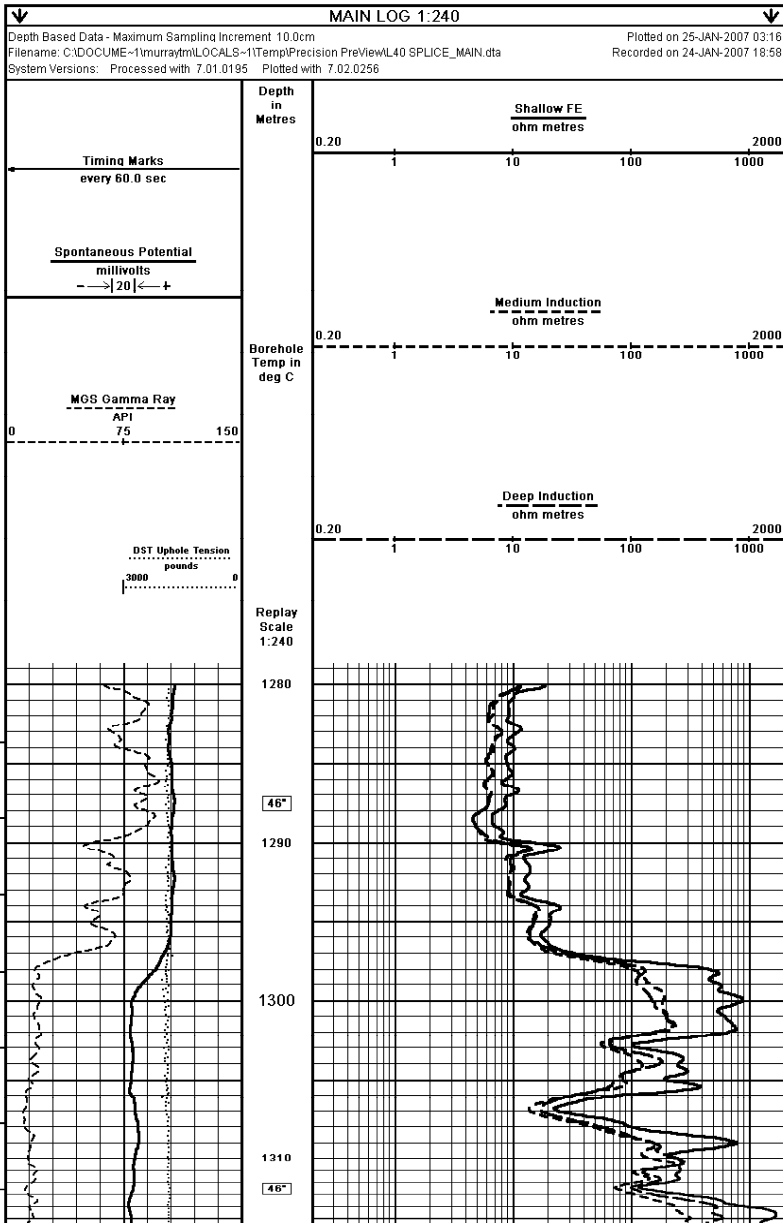
Depth Based Data - Maximum Sampling Increment 10.0cm
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System Versions: Processed with 7.01.0195 Plotted with 7.02.0256
Plotted on 25-JAN-2007 03:16
Recorded on 24-JAN-2007 18:58

MAIN LOG 1:240



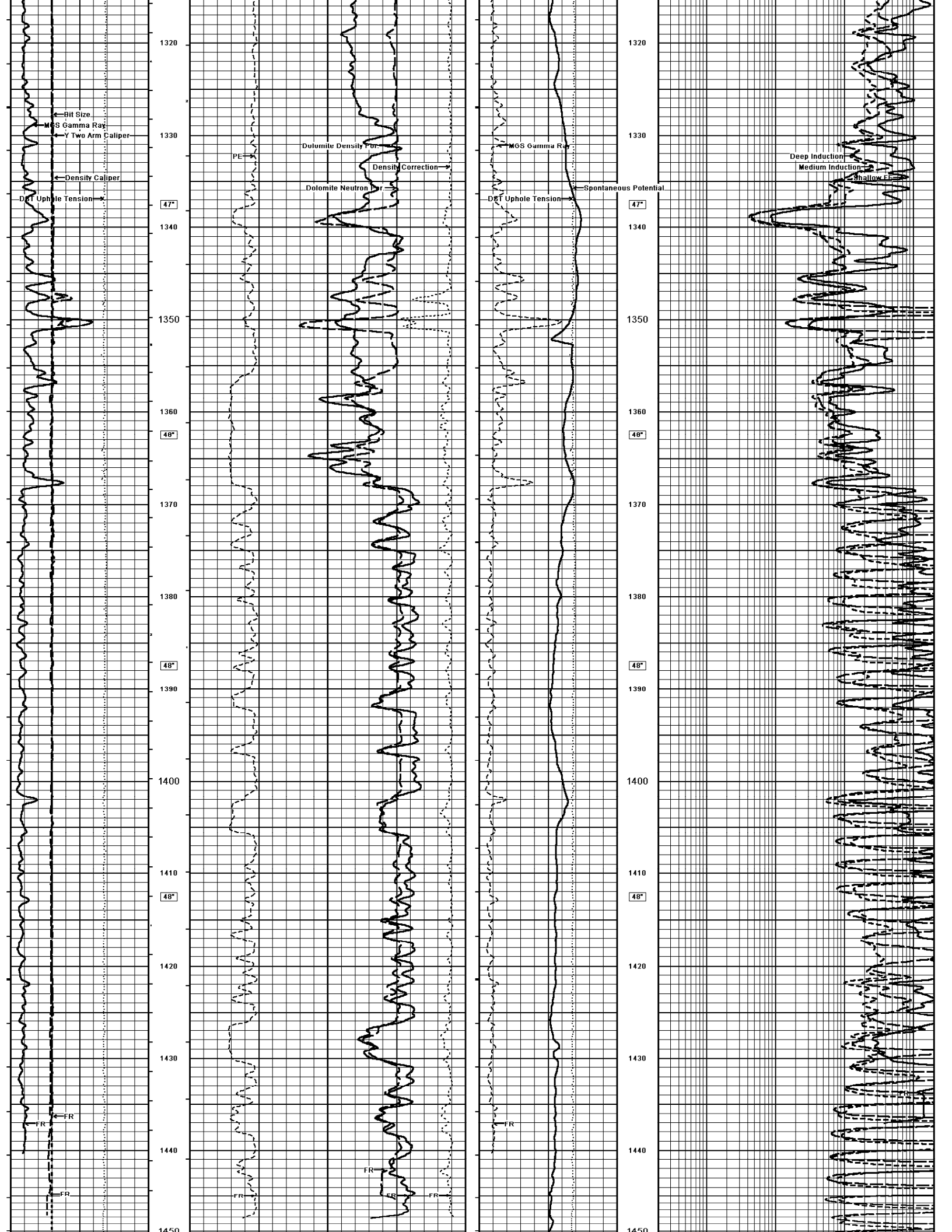
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Plotted on 25-JAN-2007 03:16
Recorded on 24-JAN-2007 18:58

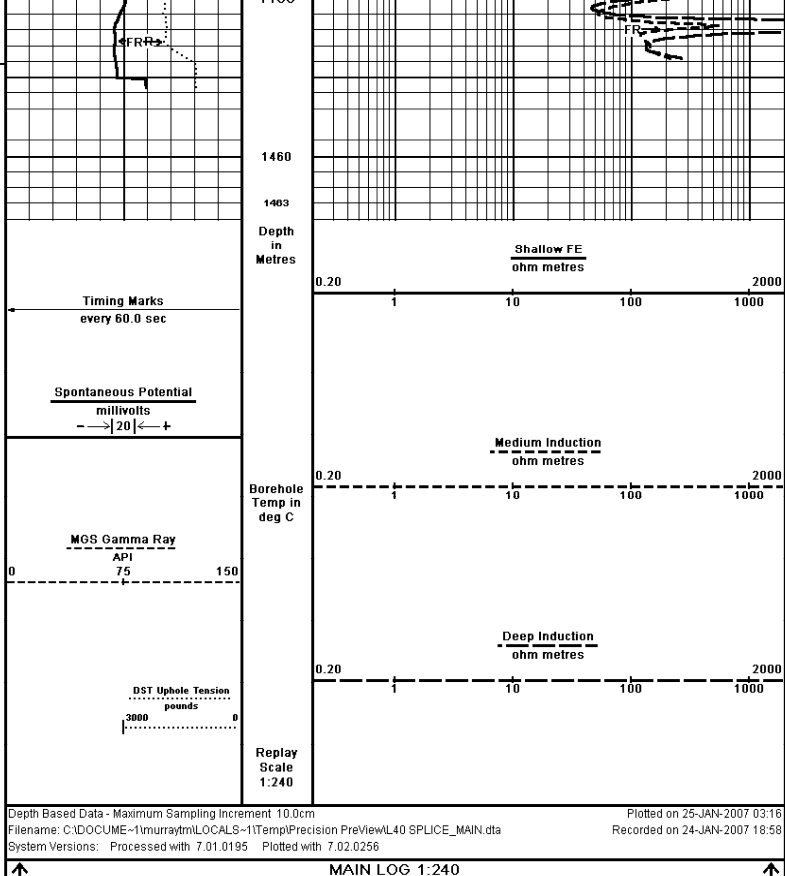
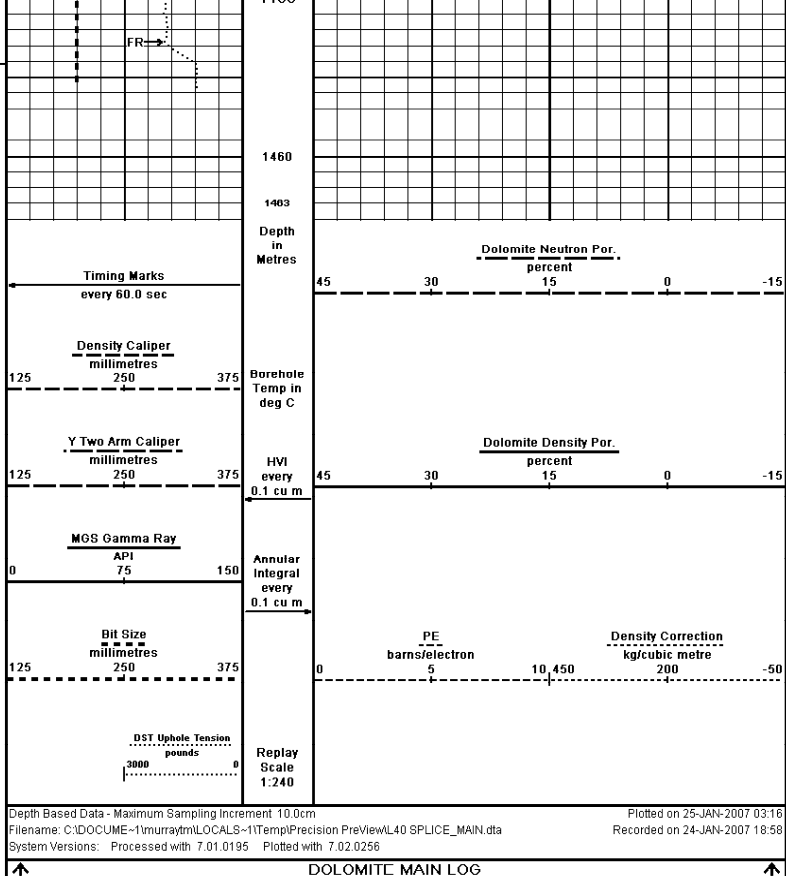
DOLOMITE MAIN LOG



Depth Based Data - Maximum Sampling Increment 10.0cm
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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 1:240





BEFORE SURVEY CALIBRATION

C:\DOCUME~1\murraytm\LOCALS~1\Temp\Precision PreView\L40PARAQUINTRPT2.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		
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
Field Check on 23-JAN-2007 22:10

Base Calibration				
Channel	Resistor 1	Measured Resistor 2	Calibrated (ohm-m) 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				
	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3219	98	3714	110
Ratio	32.703		33.764	
Field Calibrator at Base				
			Calibrated (cps)	
			2486	3648
Ratio	0.681			
Field Check				
			Calibrated (cps)	
			2511	3822
Ratio	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

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

Field Calibration

Measured Caliper (mm)
166.00

Actual Caliper (mm)
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
Sonic 2 Despiker	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 Channel	Measured		Calibrated (mmho/m)	
	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
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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		
Stand-off	25.40	millimetres	
Number of Fins on Stand-off	5.0000	millimetres	
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

Apparent Porosity and Water Saturation Constants

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

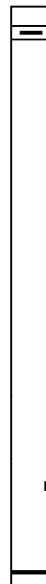
High Resolution Temperature Constants MAI 092

Pre-filter Length	11
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DOWNHOLE EQUIPMENT

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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

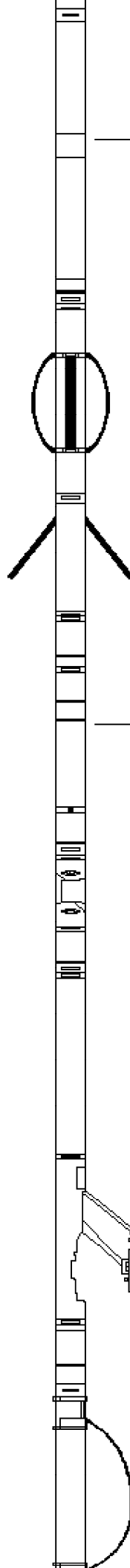
Compact InterSonde Crank
ISC 151 Length: 0.71 m Weight: 24.3 lb

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

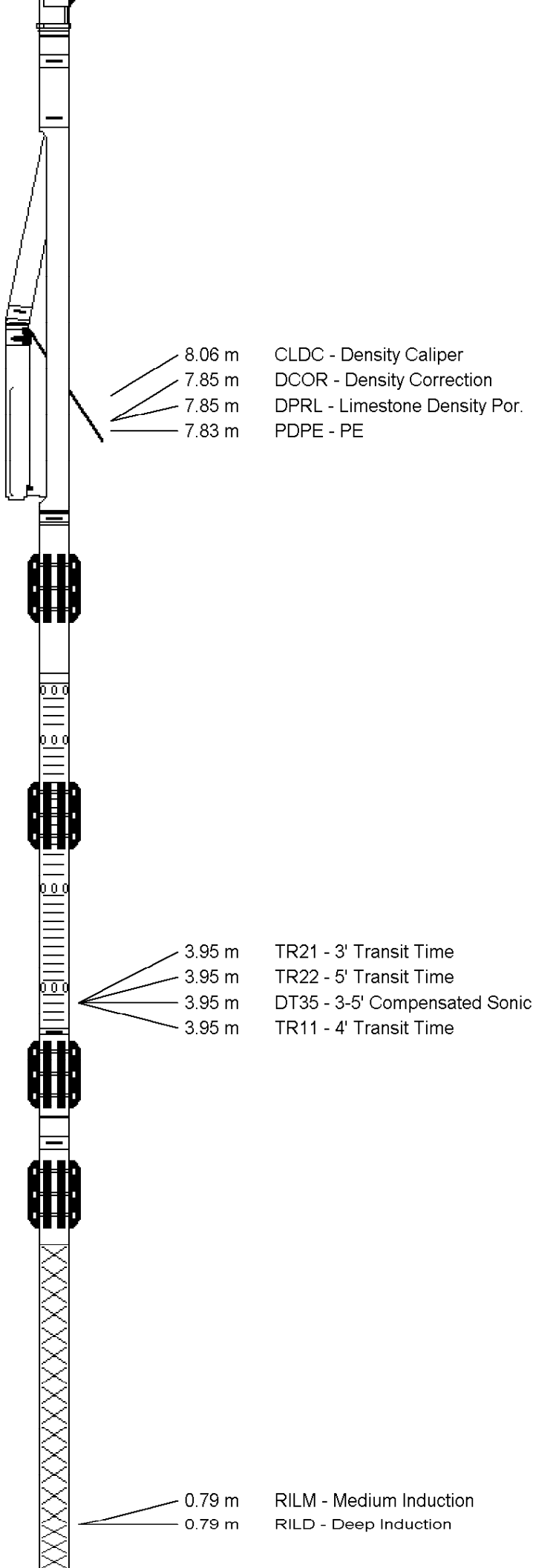
10.64 m NPRL - Limestone Neutron Por.



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

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



0.07 m SPCG - Spontaneous Potential
Tool Zero (0.28m from bottom)

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	1452.00	metre
Elevation Drill Floor		metres	Depth Driller	1453.00	metres
Elevation Ground Level	684.70	metres	Depth Logger	1453.30	metres



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MEASURED DEPTH
MINILOT