MINIPLOT

COMPANY	PARAMOUNT RESOURCES LTD
WELL	PARA ET AL CAMERON E-72
FIELD	CAMERON HILLS
PROVINCE/COUNTY	NORTHWEST TERRITORIES
COUNTRY/STATE	CANADA
LOCATION	300/E-72-60-10-117-15/00

FIELD PRINT

LSD	SEC	TWP	RGE

Other Services
COMPENSATED SONIC
MICROLOG

API Number
Permit Number 2048

Permanent Datum GROUND LEVEL, Elevation 729.00 metres
Log Measured From K.B., 5.40M above Permanent Datum
Drilling Measured From KELLY BUSHING

Elevations:	metres
KB	734.40
DF	
GL	729.00

Date	02-MAR-2007			
Run Number	1			
Depth Driller	1408.00	metres		
Depth Logger	1406.30	metres		
First Reading	1405.00	metre		
Last Reading	434.00	metre		
Casing Driller	435.00	metres		
Casing Logger	434.00	metres		
Bit Size	200.00	mm		
Hole Fluid Type	GELCHEM			
Density / Viscosity	1120.0 kg/M3	65.00 sec/L		
PH / Fluid Loss	10.50	12.00 ml/30Min		
Sample Source	FLOWLINE			
Rm @ Measured Temp	1.25 @ 25.0	ohm-m		
Rmf @ Measured Temp	0.95 @ 25.0	ohm-m		
Rmc @ Measured Temp	1.43 @ 25.0	ohm-m		
Source Rmf / Rmc	PRESS	FILTER		
Rm @ BHT	0.85 @ 46.0	ohm-m		
Time Since Circulation	7.0 HRS			
Max Recorded Temp	46.00	deg C		
Equipment Name	13131			
Equipment / Base	QUINT	GPR		
Recorded By	ADAM SMITH			
Witnessed By	BRAD POWELL			
CIRC STOP	09:45 MAR-02		Last Line	

BOREHOLE RECORD

Last Edited: 2-MAR-2007 13:39

Bit Size millimetres	Depth From metres	Depth To metres
311.000	0.00	435.00
200.000	435.00	1408.00

CASING RECORD

Type	Size millimetres	Depth From metres	Shoe Depth metres	Weight pounds/ft
SURFACE	219.100	0.00	435.00	24.00

REMARKS

1) SOFTWARE ISSUE: WLS 7.01.0195.
2) CUSTOMER SCALES AND LOGGED INTERVALS USED

3) TOOLS RUN: MAI, MSS, MPD, MDN, MML, ISC, MGS, MTC, MFE, MCG RUN IN COMBINATION

4) HARDWARE: MAI: TWO 25.4 MM STANDOFFS
MSS: THREE 25.4 MM STANDOFFS
MDN: DUAL BOWSPRING
MTC: ONE SIX LEAF CENTRALIZER

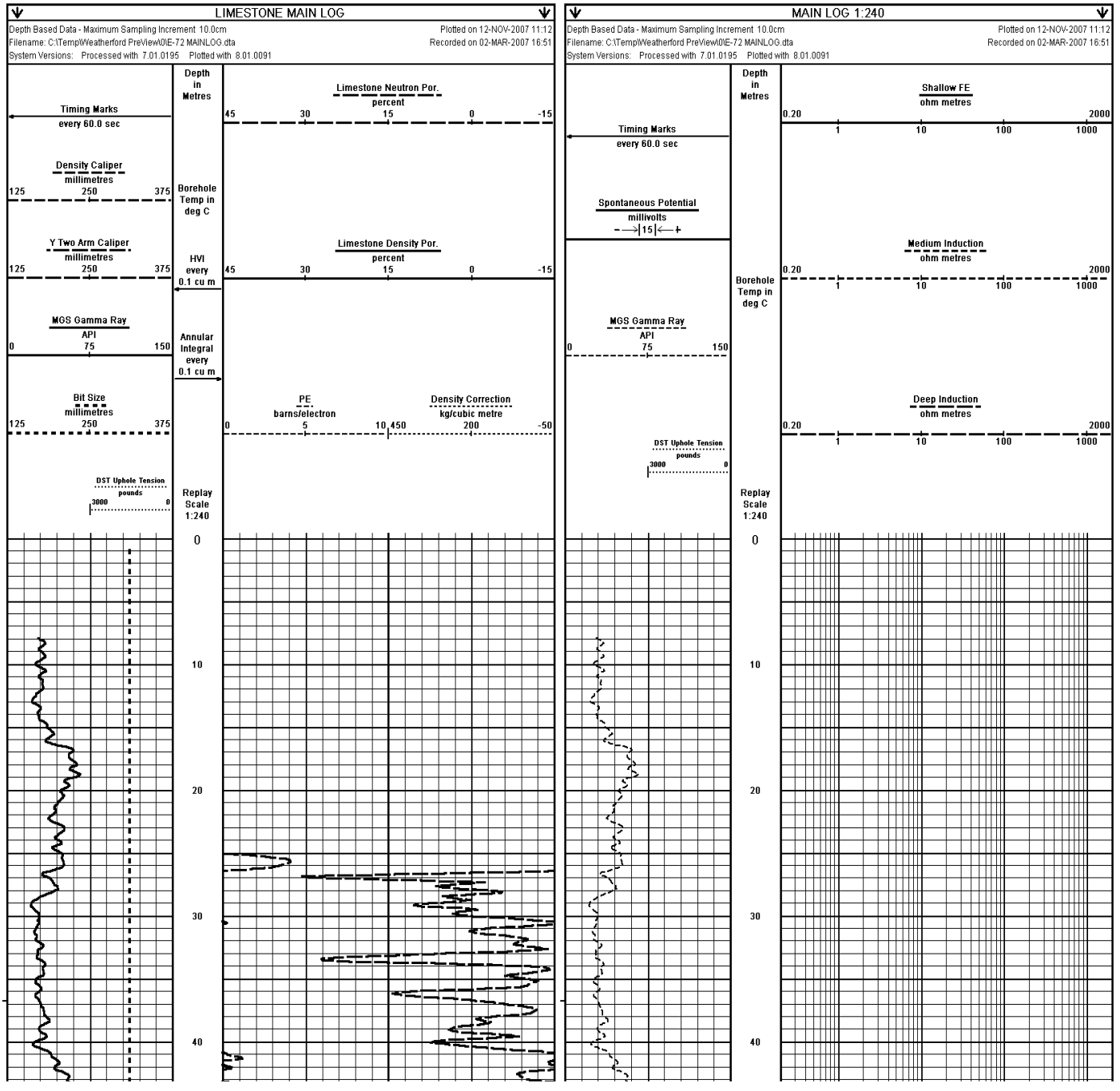
5) SERVICE ORDER #: 30074211 SAP #: 4148107 # FIELD PRINTS = 1

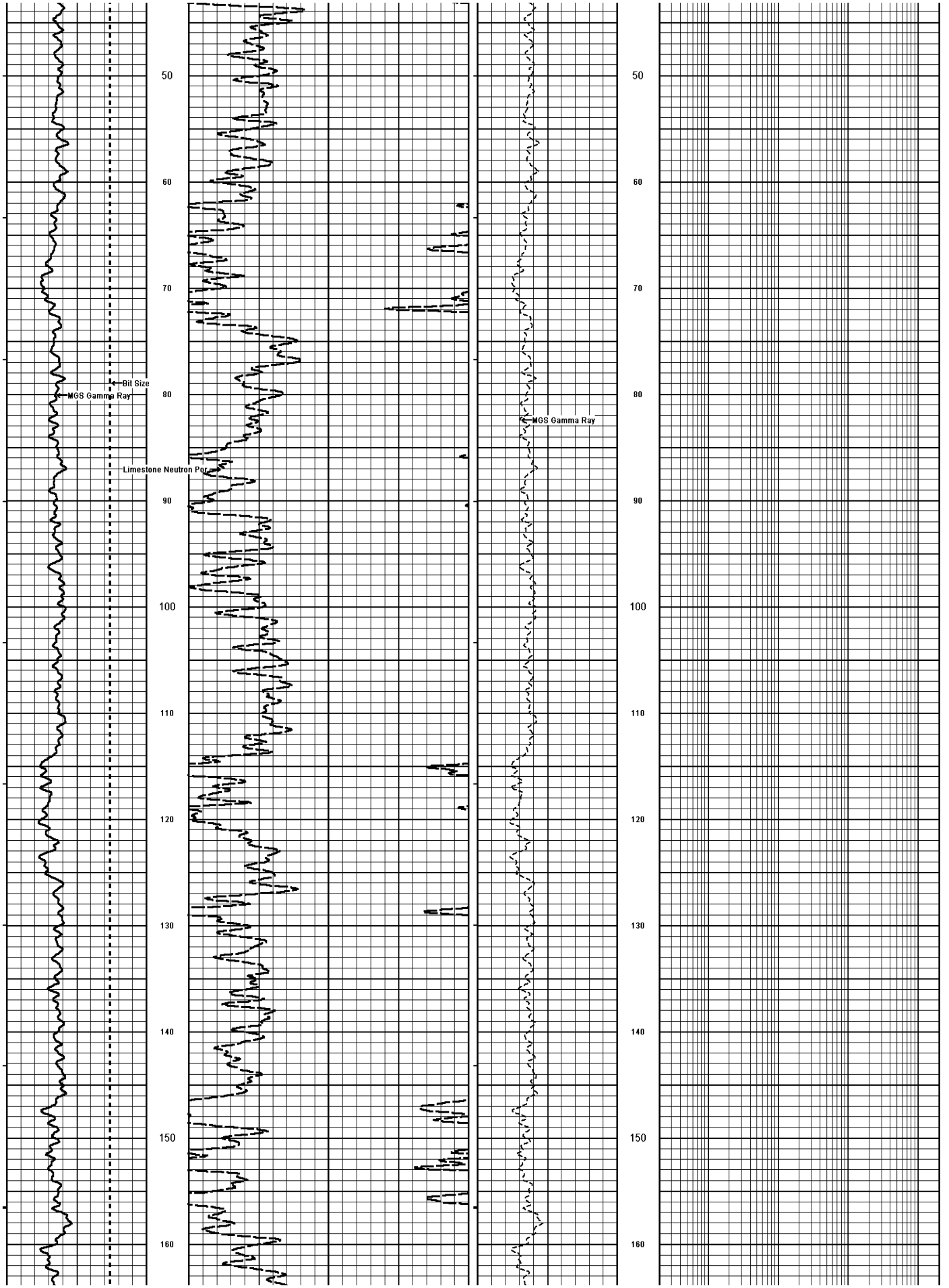
6) RIG: PD #220

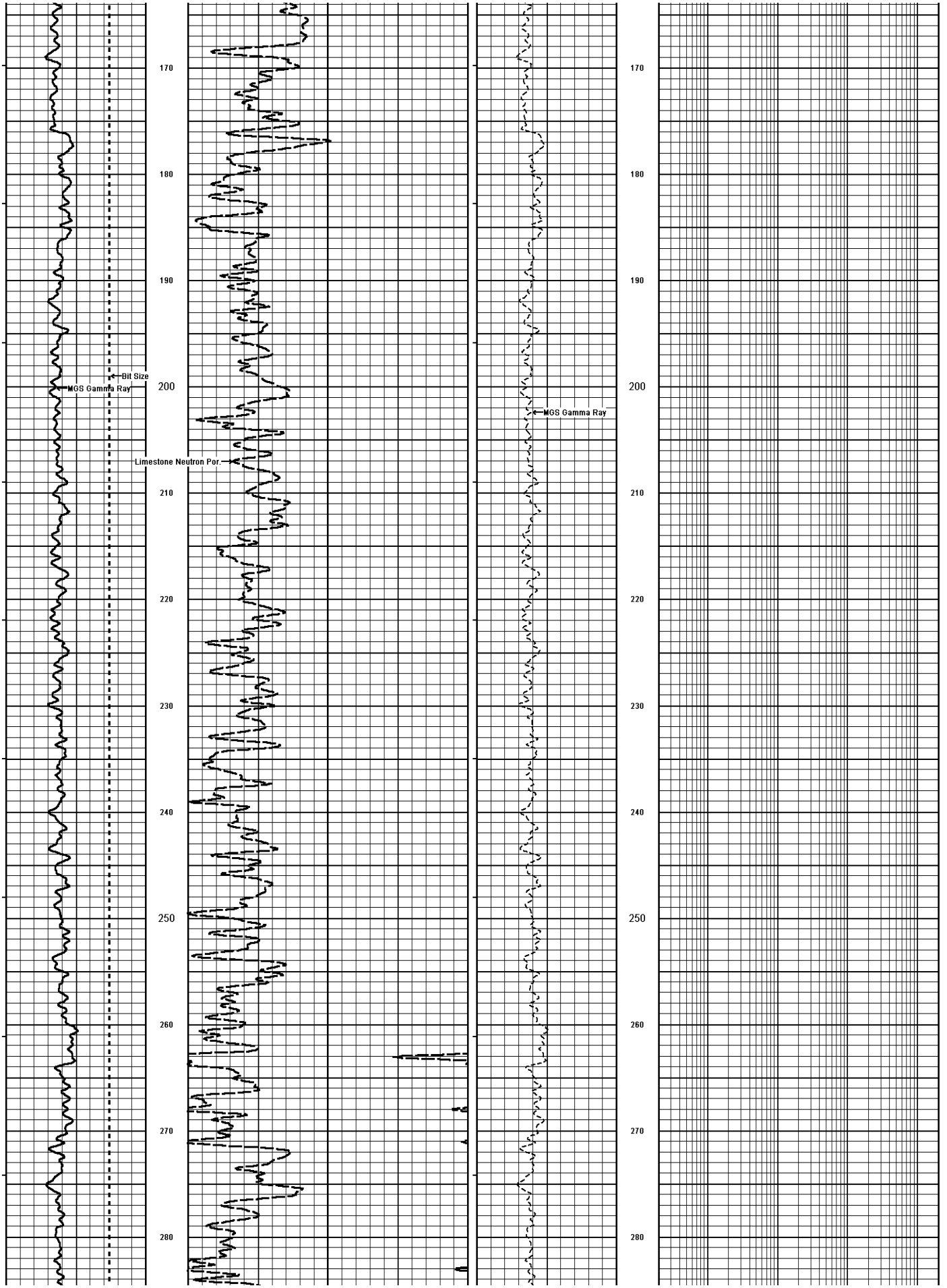
7) HOLE AND CEMENT VOLUMES CALCULATED USING DENSITY AND 2-ARM CALIPERS :
OPEN HOLE VOLUME = 36.8 CU.M.
ANNULAR VOLUME USING 139.7 MM PRODUCTION CASING = 22.0 CU.M

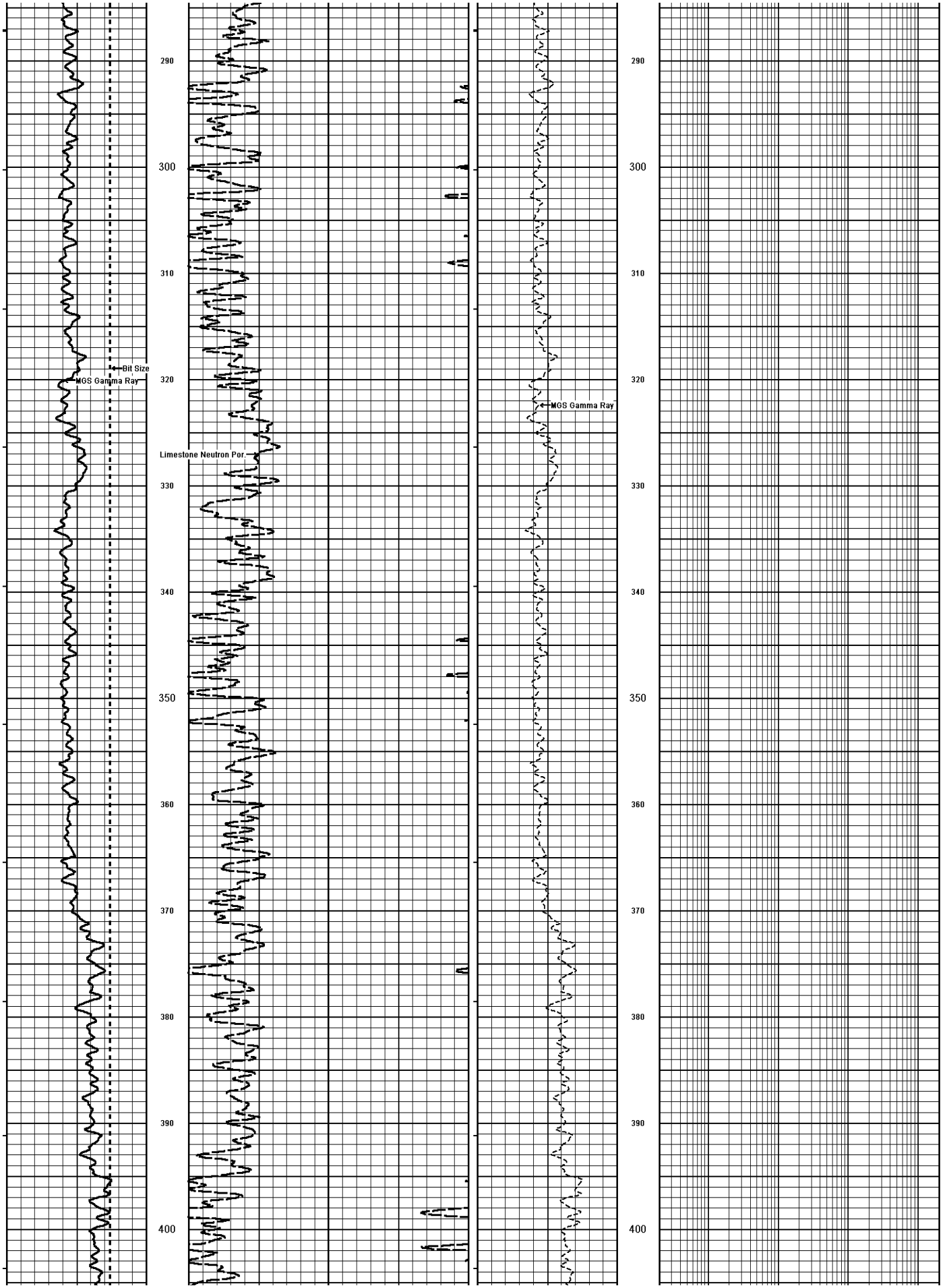
8) AREAS OF BOREHOLE RUGOSITY MAY CAUSE POOR DENSITY PAD CONTACT AND THUS HIGH DENSITY CORRECTION. DENSITY POROSITY DATA MAY BE SKEWED AT THOSE INTERVALS.

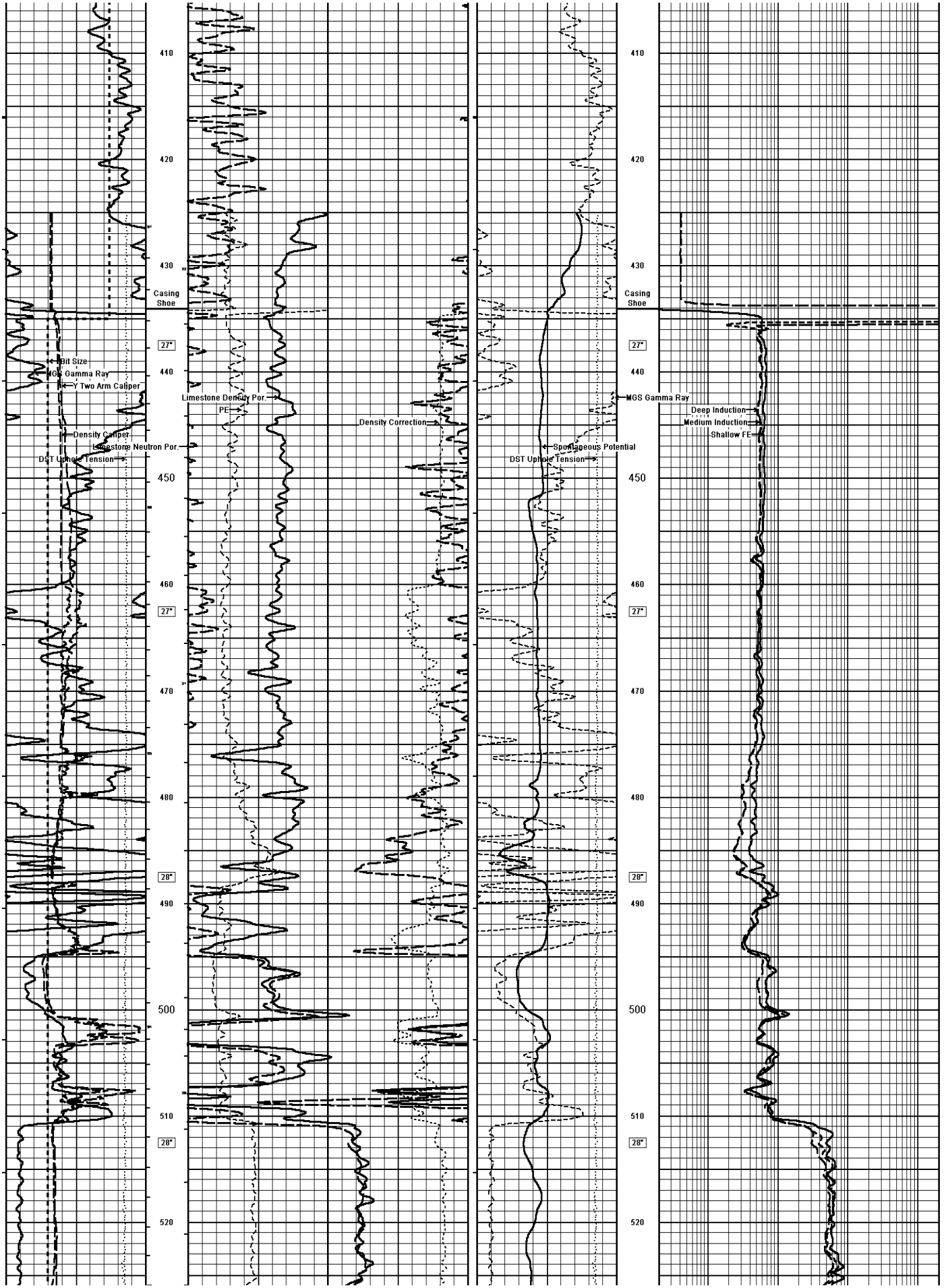
9) ADDITIONAL PASS MADE TO IMPROVE SONIC OVERLAY. DATA LOOKS GOOD BUT IS A LITTLE NOISY IN SOME SECTIONS. ADDITIONAL REPEAT SHOWN TO FURTHER VERIFY RESPONSE.

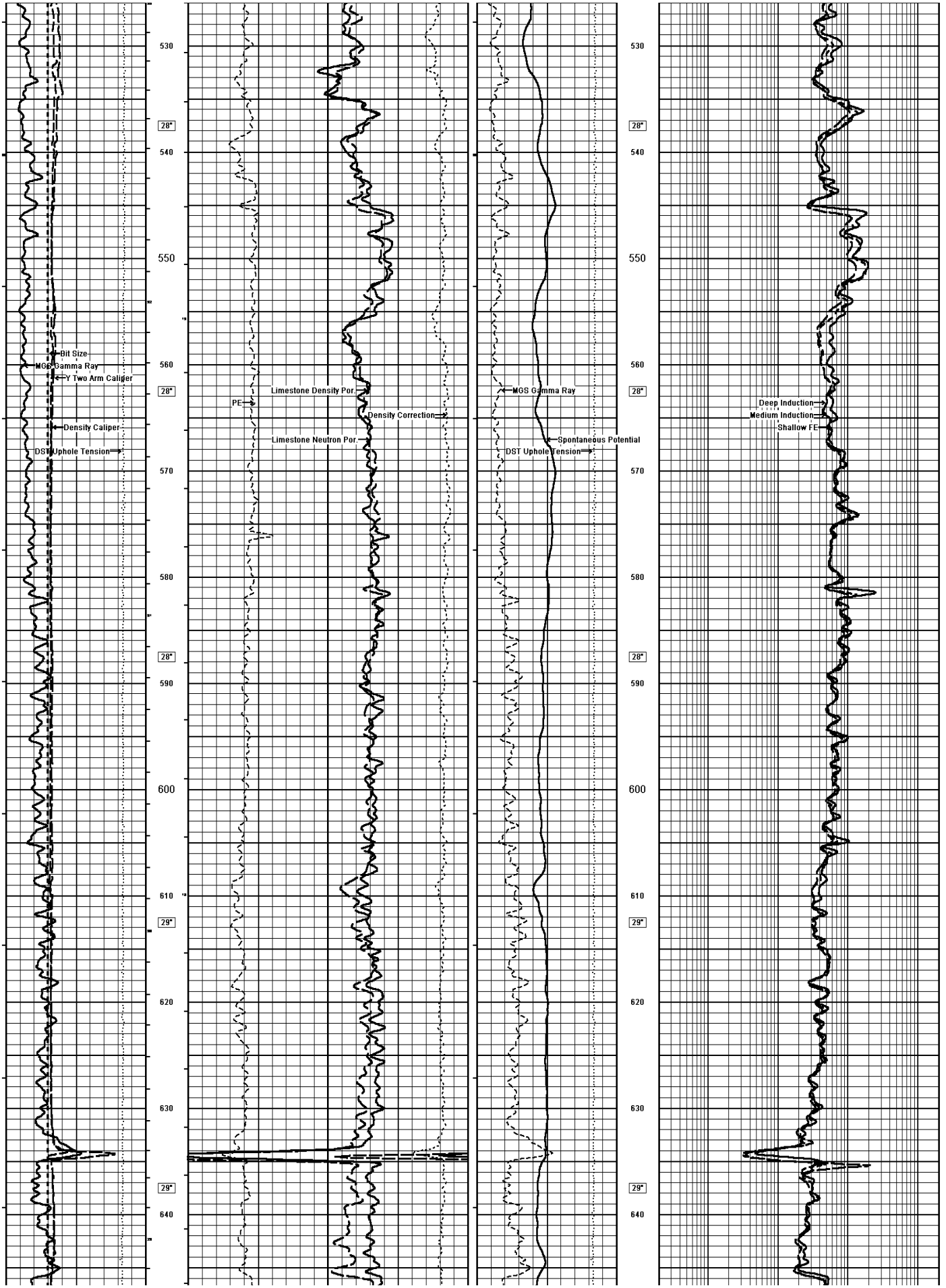


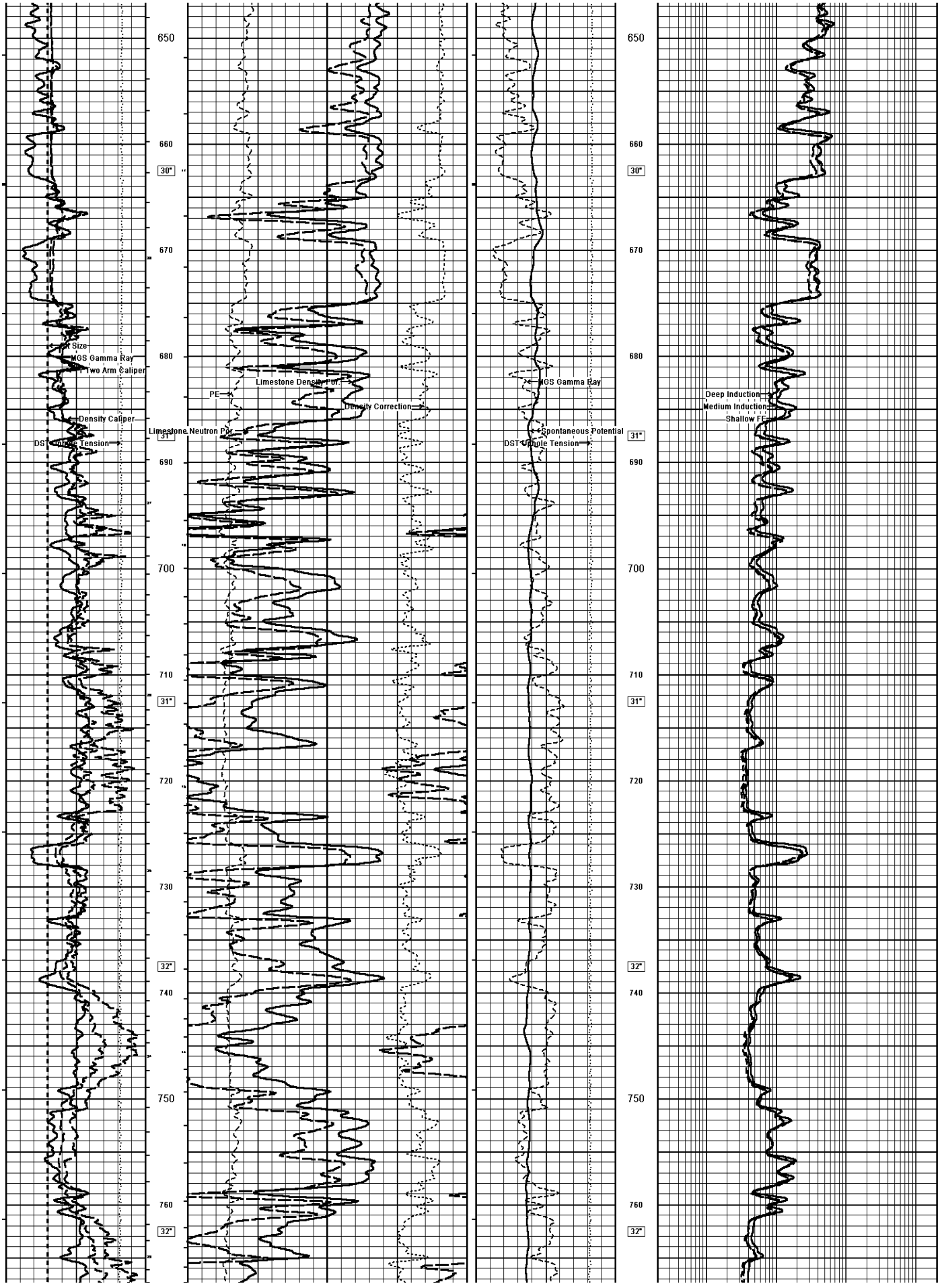

50
60
70
Bit Size
MGS Gamma Ray
80
Limestone Neutron Por
90
100
110
120
130
140
150
160
50
60
70
MGS Gamma Ray
80
90
100
110
120
130
140
150
160

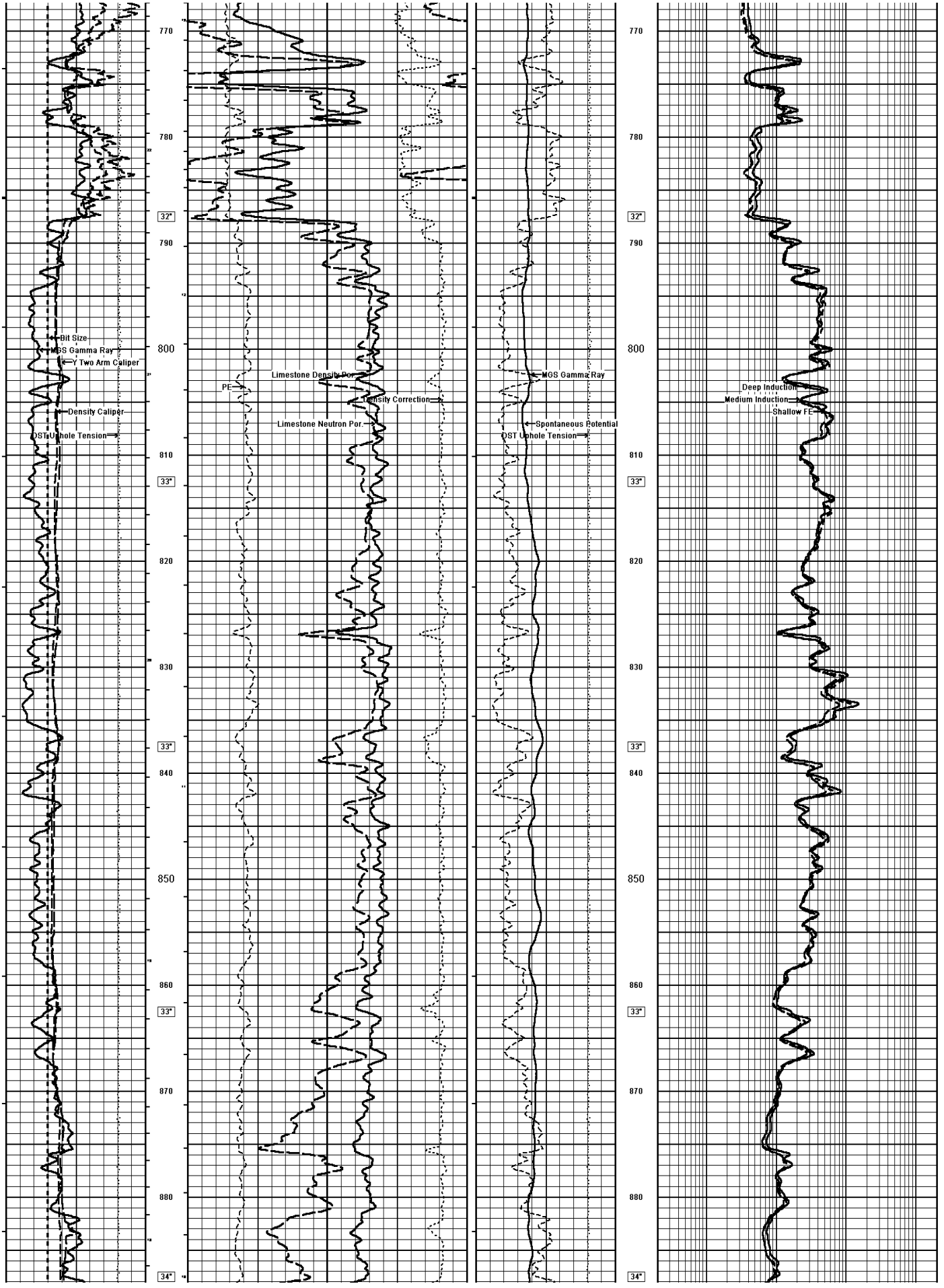

Bit Size
MGS Gamma Ray
Limestone Neutron Por.
MGS Gamma Ray
170
180
190
200
210
220
230
240
250
260
270
280

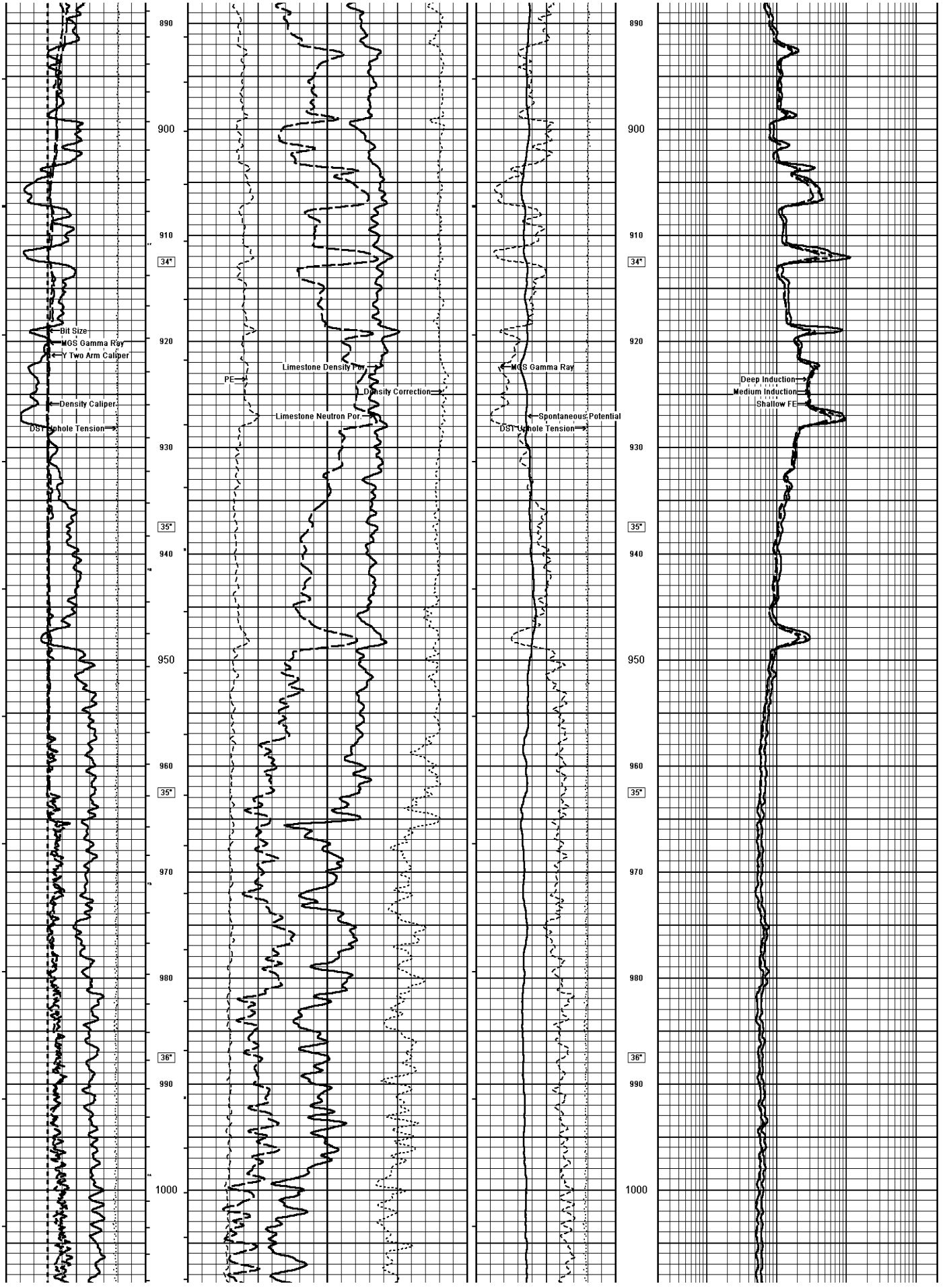

290
300
310
320
330
340
350
360
370
380
390
400
Bit Size
MGS Gamma Ray
Limestone Neutron Por.
MGS Gamma Ray

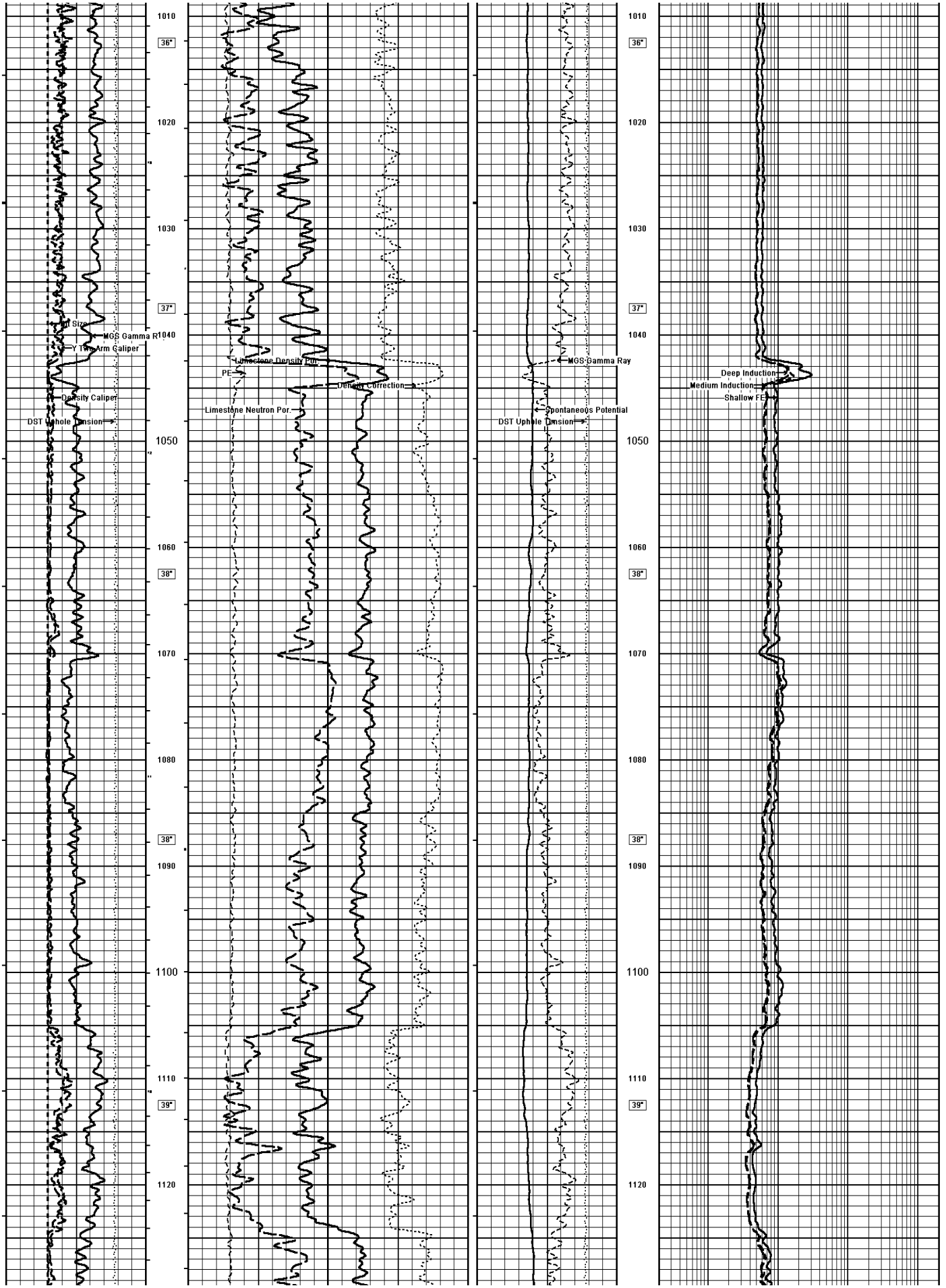

410
420
430
Casing Shoe
27"
440
Bit Size
MGS Gamma Ray
Y Two Arm Caliper
Limestone Density Por.
PE
Density Caliper
Limestone Neutron Por.
DST Uphole Tension
Density Correction
450
460
27"
470
480
28"
490
500
510
28"
520
410
420
430
Casing Shoe
27"
440
MGS Gamma Ray
Deep Induction
Medium Induction
Shallow FE
Spontaneous Potential
DST Uphole Tension
450
460
27"
470
480
28"
490
500
510
28"
520

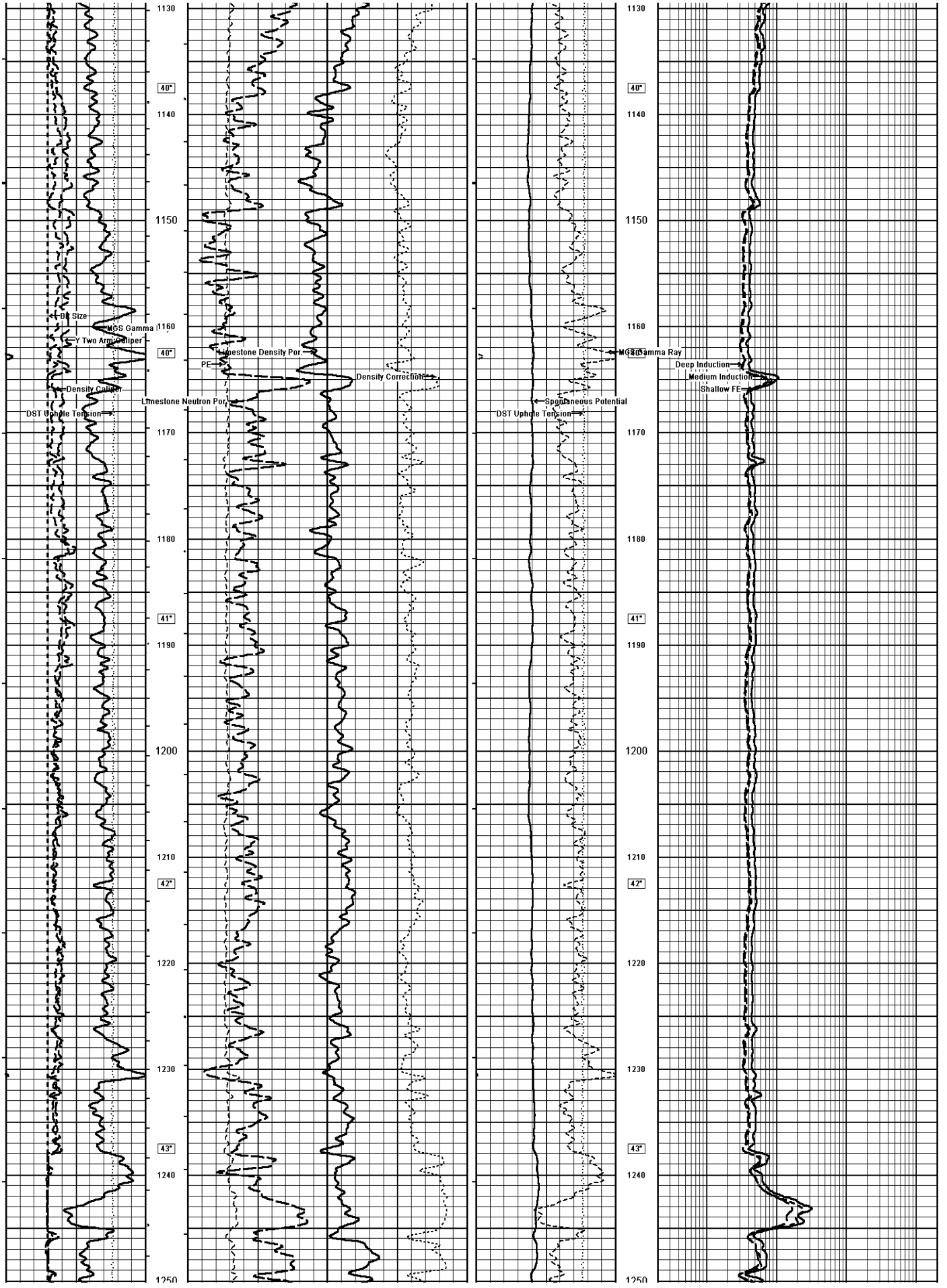

530
28"
540
550
560
28"
570
580
28"
590
600
610
29"
620
630
29"
640
Bit Size
MGS Gamma Ray
Y Two Arm Caliper
Density Caliper
DST Uphole Tension
Limestone Density Por.
PE
Density Correction
Limestone Neutron Por.
MGS Gamma Ray
Spontaneous Potential
DST Uphole Tension
Deep Induction
Medium Induction
Shallow FE

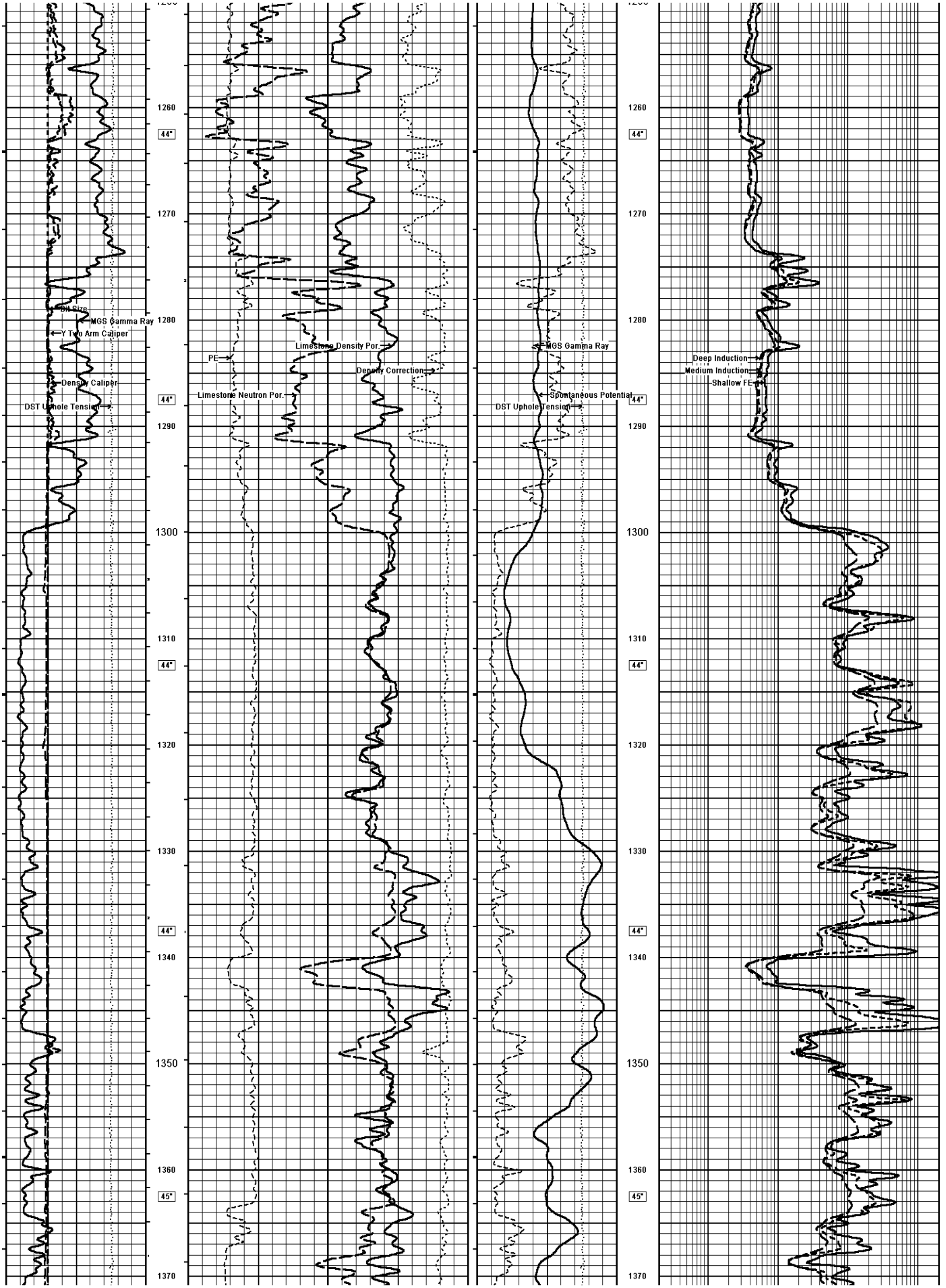

650
660
30"
670
680
31"
690
700
710
31"
720
730
32"
740
750
760
32"
Bit Size
MGS Gamma Ray
Two Arm Caliper
Density Caliper
DST Sample Tension
Limestone Neutron Por
PE
Limestone Density Por
Density Correction
MGS Gamma Ray
Spontaneous Potential
DST Sample Tension
Deep Induction
Medium Induction
Shallow Fo

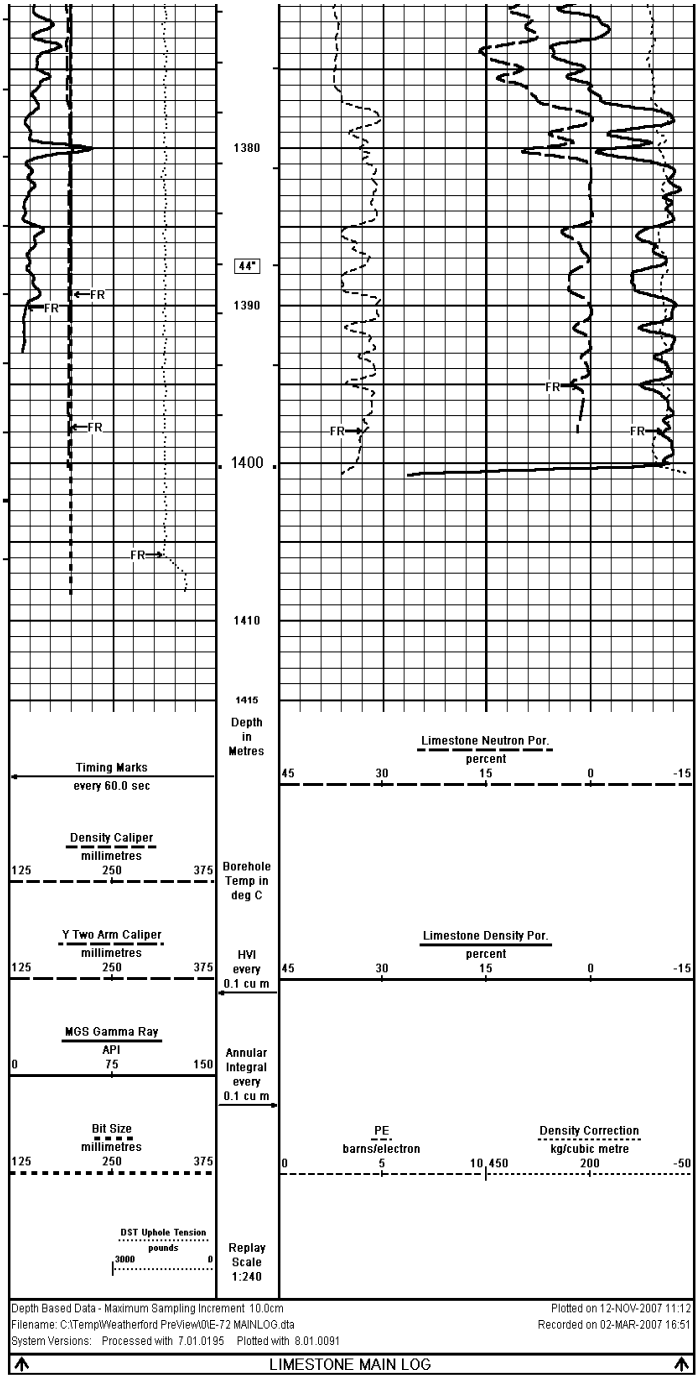

Bit Size
MGS Gamma Ray
Y Two Arm Caliper
Density Caliper
OST Uphole Tension
Limestone Density Por
PE
Density Correction
Limestone Neutron Por
MGS Gamma Ray
Spontaneous Potential
OST Uphole Tension
Deep Induction
Medium Induction
Shallow FE
770
780
32"
790
800
810
33"
820
830
33"
840
850
860
33"
870
880
34"


Bit Size
MGS Gamma Ray
Y Two Arm Caliper
Density Caliper
DST Sphole Tension
PE
Limestone Density Por.
Density Correction
Limestone Neutron Por.
MGS Gamma Ray
Spontaneous Potential
DST Sphole Tension
Deep Induction
Medium Induction
Shallow FE
890
900
910
34"
920
930
35"
940
950
960
35"
970
980
36"
990
1000


1010
36"
1020
1030
37"
1040
Bit Size
MGS Gamma R
Y Two Arm Caliper
Density Caliper
DST Uphole Tension
1050
1060
38"
1070
1080
38"
1090
1100
1110
39"
1120
Limestone Density Por.
PE
Density Correction
Limestone Neutron Por.
MGS Gamma Ray
Spontaneous Potential
DST Uphole Tension
Deep Induction
Medium Induction
Shallow FE

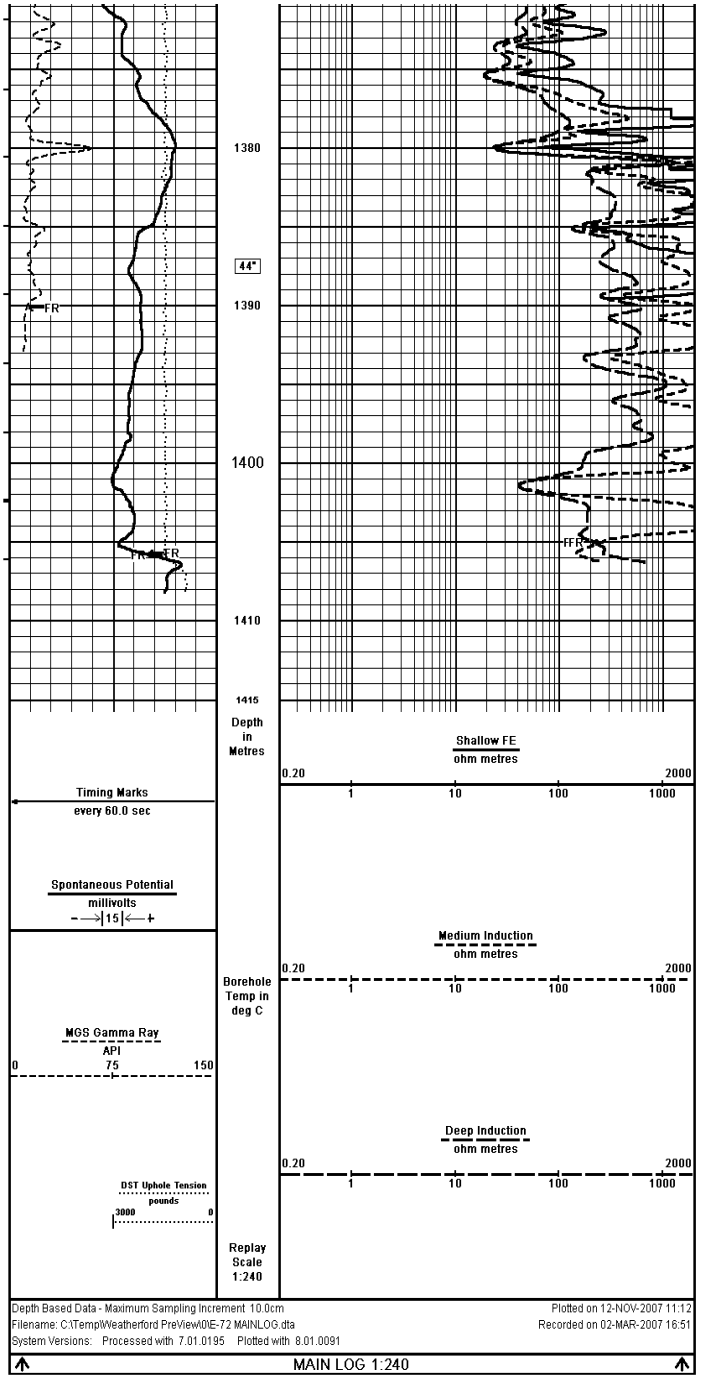

Bit Size
MGS Gamma
Y Two Arm Caliper
Density Caliper
DST Uphole Tension
Limestone Density Por.
PE
Density Correction
Limestone Neutron Por.
Spontaneous Potential
DST Uphole Tension
MGS Gamma Ray
Deep Induction
Medium Induction
Shallow FE


Bit Size
MGS Gamma Ray
Y Two Arm Caliper
Density Caliper
DST Uphole Tension
PE
Limestone Neutron Por.
Limestone Density Por.
Density Correction
MGS Gamma Ray
Spontaneous Potential
DST Uphole Tension
Deep Induction
Medium Induction
Shallow FE
1260
1270
1280
1290
1300
1310
1320
1330
1340
1350
1360
1370
44"
45"



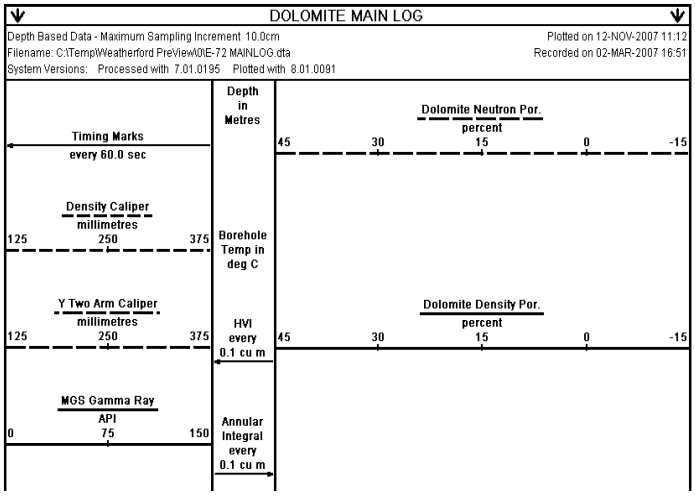
Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 12-NOV-2007 11:12
Filename: C:\Temp\Weatherford PreView\0IE-72 MAINLOG.dta — Recorded on 02-MAR-2007 16:51
System Versions: Processed with 7.01.0195 Plotted with 8.01.0091

LIMESTONE MAIN LOG



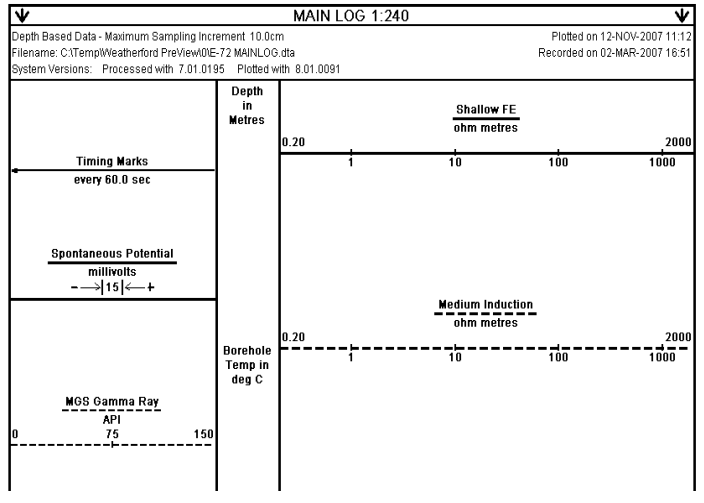
Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 12-NOV-2007 11:12
Filename: C:\Temp\Weatherford PreView\0IE-72 MAINLOG.dta — Recorded on 02-MAR-2007 16:51
System Versions: Processed with 7.01.0195 Plotted with 8.01.0091

MAIN LOG 1:240



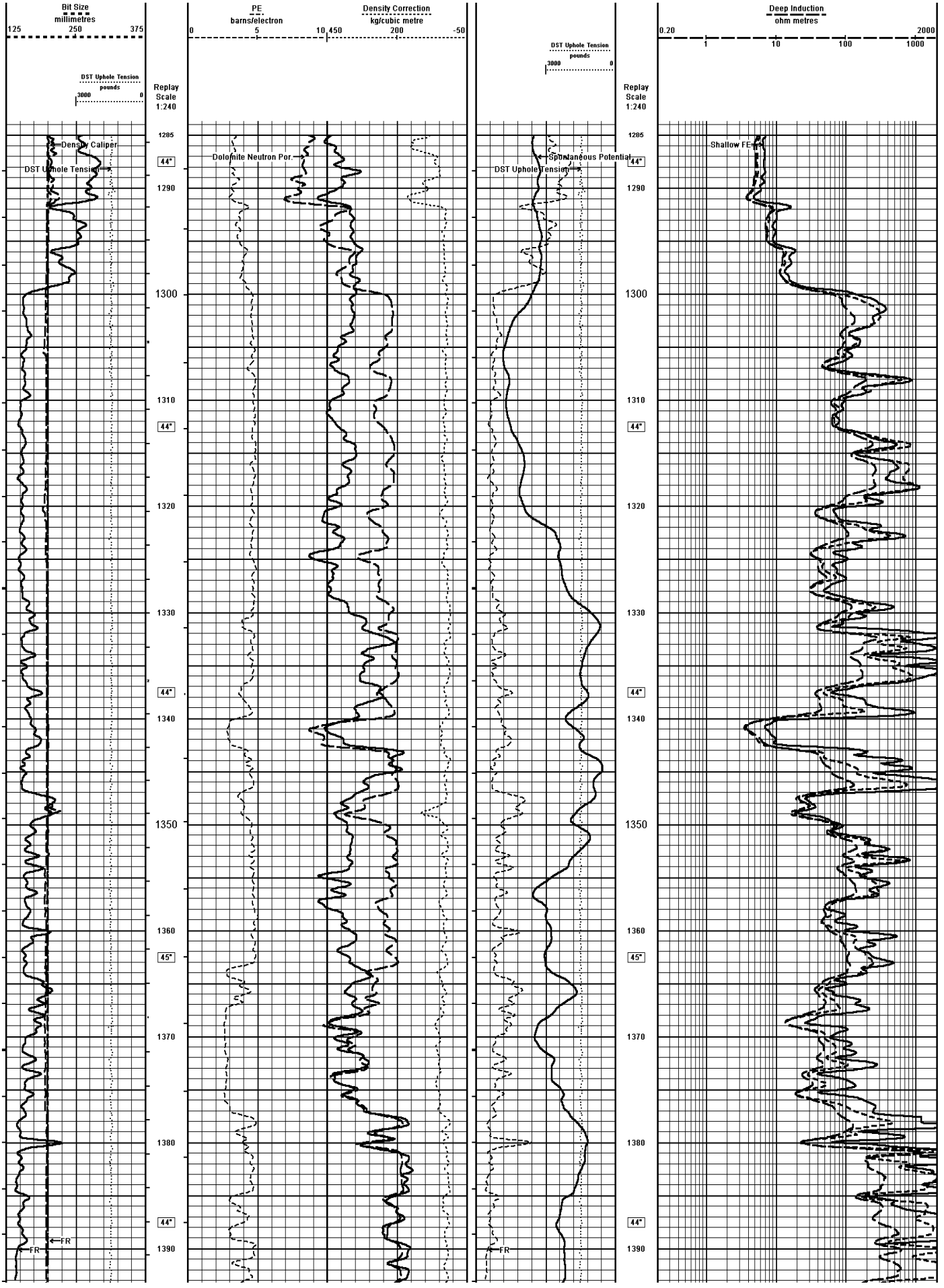
DOLOMITE MAIN LOG

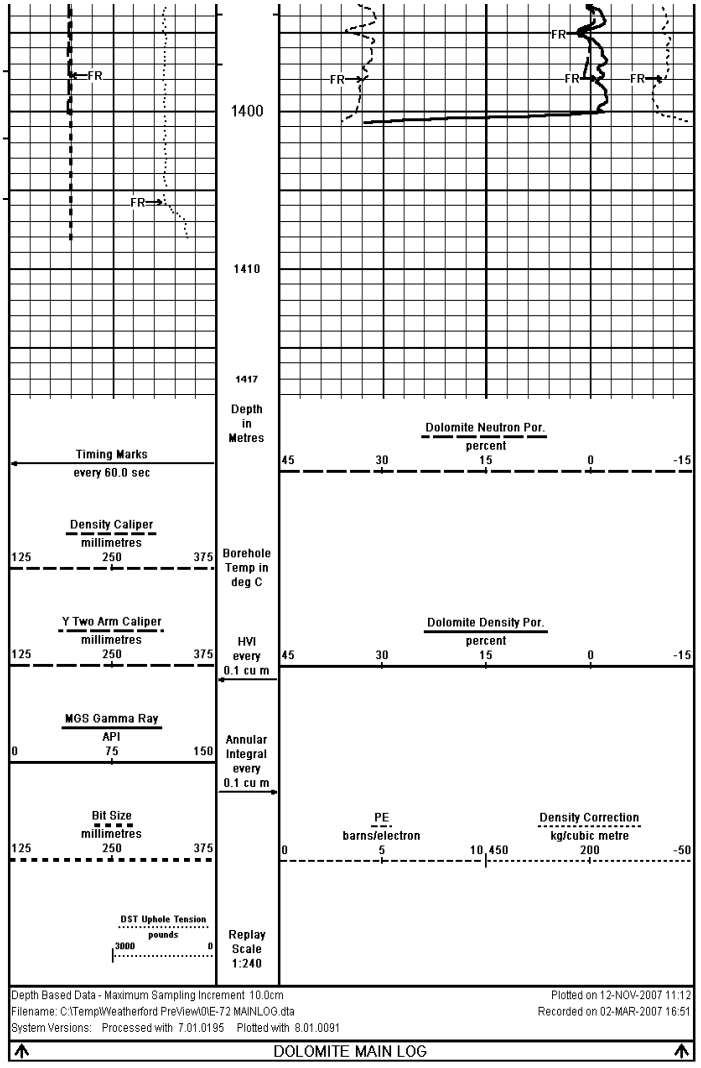
Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 12-NOV-2007 11:12
Filename: C:\Temp\Weatherford PreView\0IE-72 MAINLOG.dta — Recorded on 02-MAR-2007 16:51
System Versions: Processed with 7.01.0195 Plotted with 8.01.0091

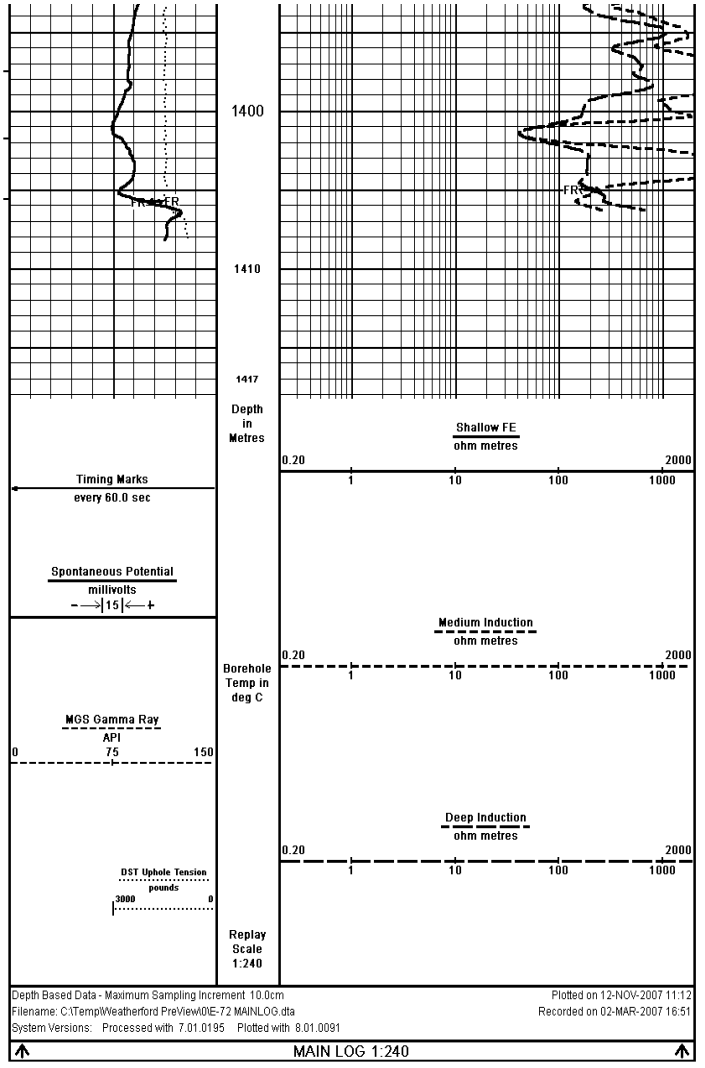


MAIN LOG 1:240

Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 12-NOV-2007 11:12
Filename: C:\Temp\Weatherford PreView\0IE-72 MAINLOG.dta — Recorded on 02-MAR-2007 16:51
System Versions: Processed with 7.01.0195 Plotted with 8.01.0091


Bit Size
millimetres
125
250
375
DST Uphole Tension
pounds
3000
0
Density Caliper
DST Uphole Tension
Replay
Scale
1:240
1285
44"
1290
1300
1310
44"
1320
1330
44"
1340
1350
1360
45"
1370
1380
44"
1390
FR
FR
FR
PE
barns/electron
0
5
10
Density Correction
kg/cubic metre
450
200
-50
Dolomite Neutron Por.
DST Uphole Tension
pounds
3000
0
Spontaneous Potential
DST Uphole Tension
Replay
Scale
1:240
Deep Induction
ohm metres
0.20
1
10
100
1000
2000
Shallow FE





BEFORE SURVEY CALIBRATION

C:\Temp\Weatherford PreView\0\E-72 REPEAT.dta

General Constants All 000

Last Edited on 2-MAR-2007,16:03

General Parameters		
Mud Resistivity	1.250	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	

High Resolution Temperature Calibration MCG 173

Field Calibration on 4-FEB-2007,23:25

Measured	Calibrated(Deg C)

Lower	1.00	1.00
Upper	11.00	11.00

High Resolution Temperature Constants MCG 173

Last Edited on 4-FEB-2007,23:25

Pre-filter Length	11

Caliper Calibration MTC 037

Base Calibration on 28-FEB-2007 15:42
Field Calibration on 2-MAR-2007,15:53

Base Calibration

Reading No	Measured	Calibrator Size (mm)
1	14092	101.98
2	16789	152.57
3	19549	203.72
4	22409	255.20
5	25210	304.45
6	N/A	N/A

Field Calibration

Measured Caliper (mm)	Actual Caliper (mm)
206.00	206.00

Gamma Calibration MGS 012

Field Calibration on 2-MAR-2007,13:10

	Measured	Calibrated (API)
Background	119	78
Calibrator (Gross)	847	552
Calibrator (Net)	728	474

Gamma Constants MGS 012

Last Edited on 2-MAR-2007,13:09

Gamma Calibrator Number	GRC-107	
Mud Density	1120.00	kg/m3
Caliper Source for Processing	Density Caliper	
Tool Position	Centred	
Concentration of KCl	0.00	kppm

Neutron Calibration MDN 127

Base Calibration on 28-FEB-2007 12:26
Field Check on 2-MAR-2007 13:07

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3038	92	3714	110
Ratio	32.951		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	2237	3381
Ratio	0.662	

Field Check

	Calibrated (cps)	
	2243	3286
Ratio	0.683	

Neutron Constants MDN 127

Last Edited on 9-FEB-2007,19:46

Neutron Source Id	805	
Neutron Jig Number	NJ5233	
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

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 091

Base Calibration on 28-FEB-2007 12:04
Field Check on 2-MAR-2007 12:58

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	57945	30035	60352	31615
Reference 2	22615	2204	25043	2540
Field Check at Base	763.7	927.9		
Field Check	767.2	941.2		

PE Calibration

Base Calibration	Measured			Calibrated
	WS	WH	Ratio	Ratio
Background	139	680		
Reference 1	23444	57792	0.408	0.400
Reference 2	6349	22532	0.284	0.272
Field Check at Base	139.1	679.9		
Field Check	142.2	685.2		

Density Constants MPD 091

Last Edited on 2-MAR-2007,13:09

Density Source Id	286	
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	1120.00	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
Density Z/A Correction	0	

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

Caliper Calibration MPD 091

Base Calibration on 3-FEB-2007,04:39
Field Calibration on 2-MAR-2007,15:53

Base Calibration

Reading No	Measured	Calibrator Size (mm)

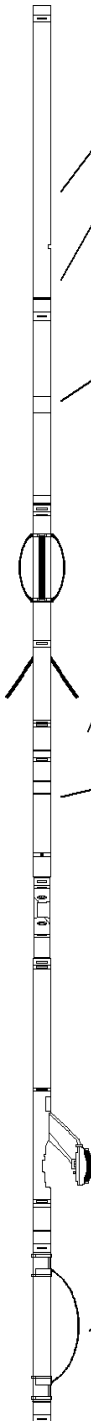
1	16446	101.98
2	26416	152.58
3	36048	203.72
4	46272	255.20
5	57271	304.45
6	N/A	N/A

Field Calibration

Measured Caliper (mm)	Actual Caliper (mm)
209.40	205.70

DOWNHOLE EQUIPMENT

C:\Temp\Weatherford PreView\0\E-72 REPEAT.dta



Compact Gamma
MCG 173 Length: 2.65 m Weight: 63.9 lb
20.97 m GRGC - Gamma Ray
20.09 m CGXT - MCG External Temperature

Compact Focussed Electric
MFE 123 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
16.52 m CLYC - Y Two Arm Caliper

Compact Short Gamma
MGS 12 Length: 1.04 m Weight: 24.3 lb
15.65 m GRGM - MGS Gamma Ray

Compact InterSonde Crank
ISC 142 Length: 0.70 m Weight: 24.3 lb

Compact Micro-Resistivity
MMR 54 Length: 2.62 m Weight: 81.6 lb
12.10 m MINV - MMR MicroLog Inverse
12.10 m MNRL - MMR MicroLog Normal

Compact Neutron
MDN 127 Length: 1.53 m Weight: 50.7 lb
10.64 m NPRL - Limestone Neutron Por.

Compact Density/Caliper
8.06 m CLDC - Density Caliper

Compact Density/Caliper
MPD 91 Length: 2.92 m Weight: 90.4 lb

Compact Sonic
MSS 38 Length: 3.82 m Weight: 72.8 lb

Compact Induction
MAI 137 Length: 3.29 m Weight: 48.5 lb

Compact Hole Finder
HFS 1 Length: 0.46 m Weight: 2.2 lb

Total Length: 23.05 m Weight: 568.8 lb

7.85 m	DPRL - Limestone Density Por.
7.85 m	DCOR - Density Correction
7.83 m	PDPE - PE
3.95 m	TR21 - 3' Transit Time
3.95 m	TR11 - 4' Transit Time
3.95 m	TR22 - 5' Transit Time
3.95 m	DT35 - 3-5' Compensated Sonic
3.95 m	TR12 - 6' Transit Time
3.95 m	DT34 - 3-4' Compensated Sonic
0.79 m	RILM - Medium Induction
0.79 m	RILD - Deep Induction
0.07 m	SPCG - Spontaneous Potential
Tool Zero	(0.50m from bottom)

All measurements relative to tool zero.

COMPANY	PARAMOUNT RESOURCES LTD
WELL	PARA ET AL CAMERON E-72
FIELD	CAMERON HILLS
PROVINCE/COUNTY	NORTHWEST TERRITORIES
COUNTRY/STATE	CANADA

Elevation Kelly Bushing	734.40	metres	First Reading	1405.00	metre
Elevation Drill Floor		metres	Depth Driller	1408.00	metres
Elevation Ground Level	729.00	metres	Depth Logger	1406.30	metres

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