



MINIPILOT

COMPANY **PARAMOUNT RESOURCES LTD.**
WELL **PARAMOUNT ET AL CAMERON J-04**
FIELD **CAMERON HILLS**
PROVINCE/COUNTY **NORTH WEST TERRITORIES**
COUNTRY/STATE **CANADA**
LOCATION **300/J-04-60-10-117-30**

FIELD PRINT

LSD SEC TWP RGE Other Services

API Number **MICROLOG**
Permit Number **1159** **COMPENSTATED SONIC**

Permanent Datum **GROUND LEVEL**, Elevation **765.20** metres
Log Measured From **4.00 M** above Permanent Datum
Drilling Measured From **KB**

Elevations:
KB 769.20
DF 765.20
GL

Date **15-FEB-2007**

Run Number **1**

Depth Driller **1449.00** metres

Depth Logger **1449.50** metres

First Reading **1448.70** metre

Last Reading **420.00** metre

Casing Driller **430.00** metres

Casing Logger **429.80** metres

Bit Size **200.00** mm

Hole Fluid Type **GELCHEM**

Density / Viscosity **1060.0 kg/M3** **93.00 CP**

PH / Fluid Loss **11.00** **11.00 ml/30Min**

Sample Source **FLOWLINE**

Rm @ Measured Temp **1.18 @ 25.0** ohm-m

Rmf @ Measured Temp **1.04 @ 25.0** ohm-m

Rmc @ Measured Temp **1.32 @ 25.0** ohm-m

Source Rmf / Rmc **PRESS** **FILTER**

Rm @ BHT **0.78 @ 48.0** ohm-m

Time Since Circulation **6 HRS**

Max Recorded Temp **48.00** deg C

Equipment Name **COMPACT**

Equipment / Base **13124** **GPR**

Recorded By **G. SINGER**

Witnessed By **A. AHMED**

CIRC. STOP TIME **01:30-FEB-15**

Last Line

BOREHOLE RECORD

Last Edited: 15-FEB-2007 05:01

Bit Size millimetres	Depth From metres	Depth To metres
311.000	0.00	430.00
200.000	430.00	1449.00

CASING RECORD

Type	Size millimetres	Depth From metres	Shoe Depth metres	Weight Kg/metre
SURFACE	219.100	0.00	430.00	35.72

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 AND INTERSONIC CRANK
MTC: SIX LEAF CENTRALIZER

5) SERVICE ORDER #: 30073028 SAP #: 4147101 # FIELD PRINTS = 3

6) RIG: PD 129

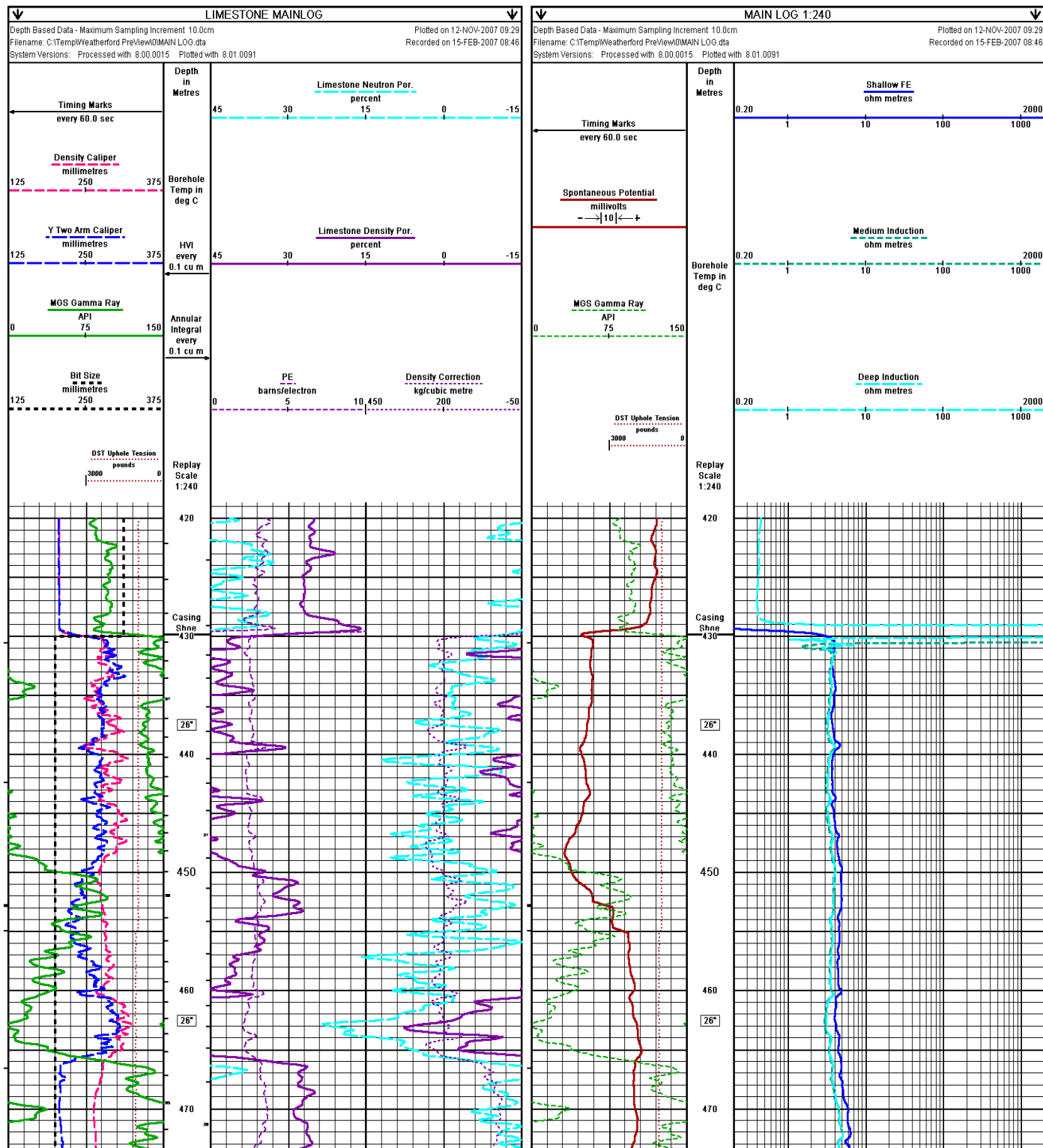
7) HOLE AND CEMENT VOLUMES CALCULATED USING DENSITY AND 2-ARM CALIPERS :

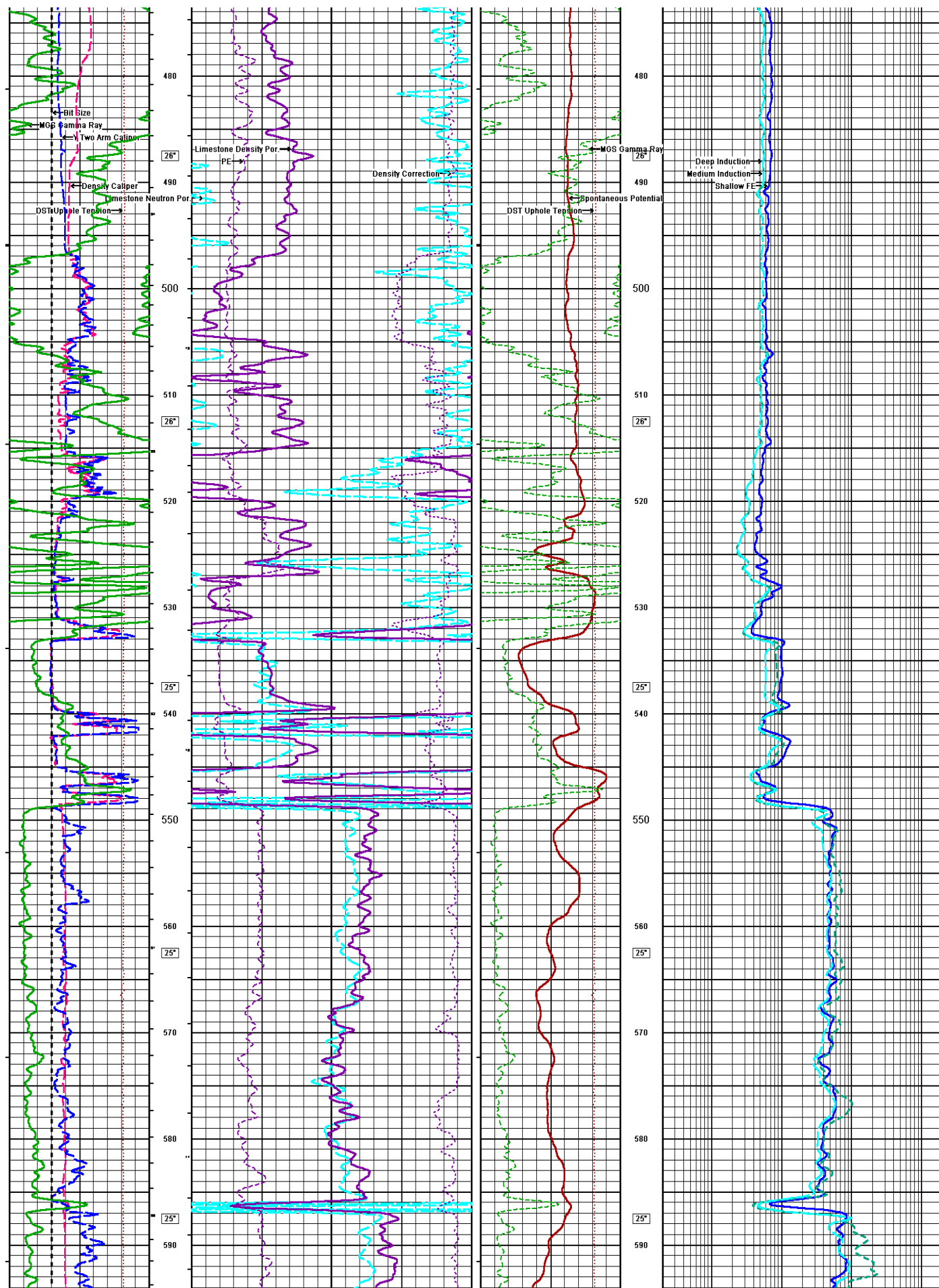
HOLE VOLUME = 37.4 CU.M.

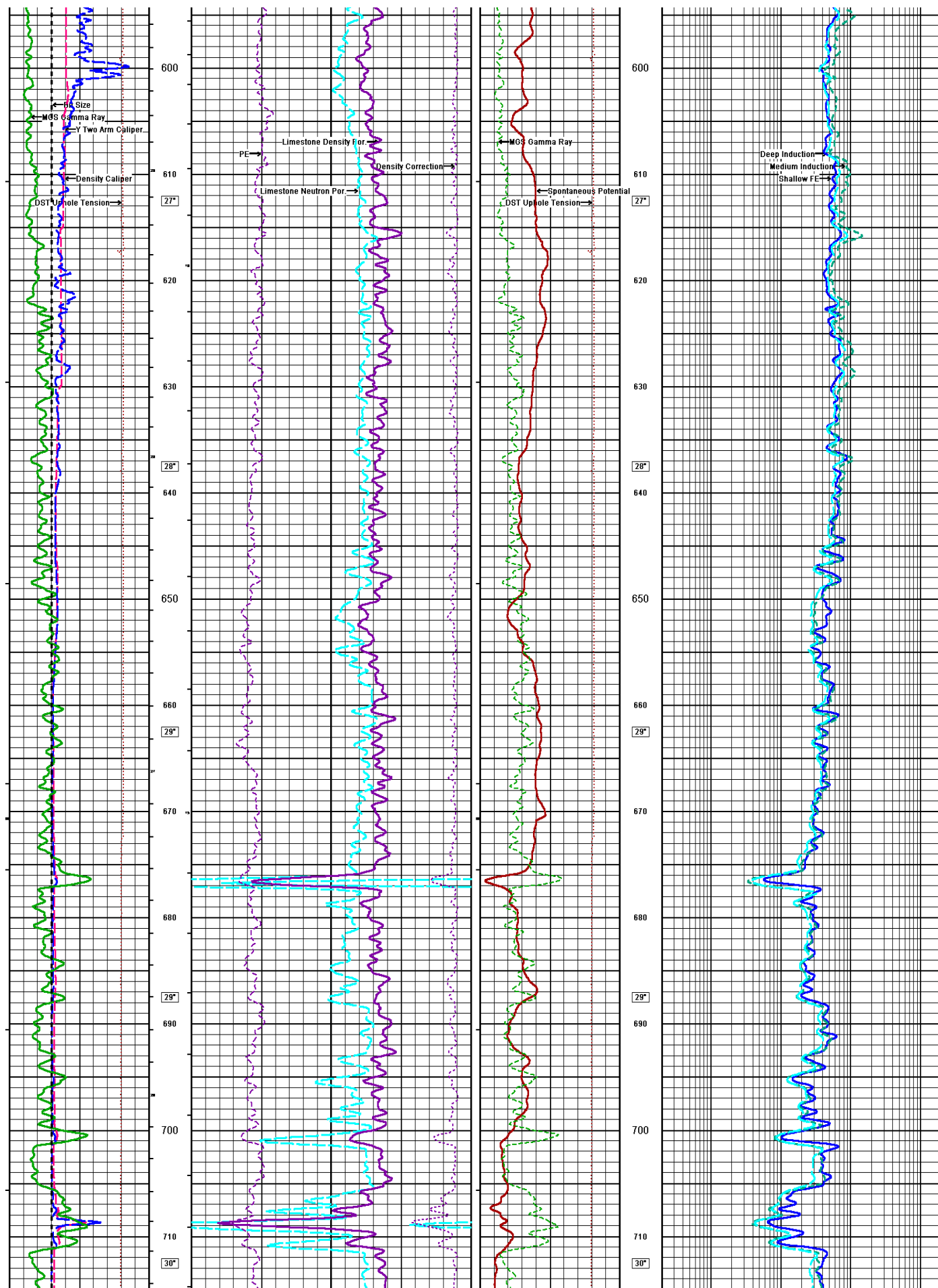
ANNULAR VOLUME USING 139.7 MM PRODUCTION CASING = 21.8 CU.M

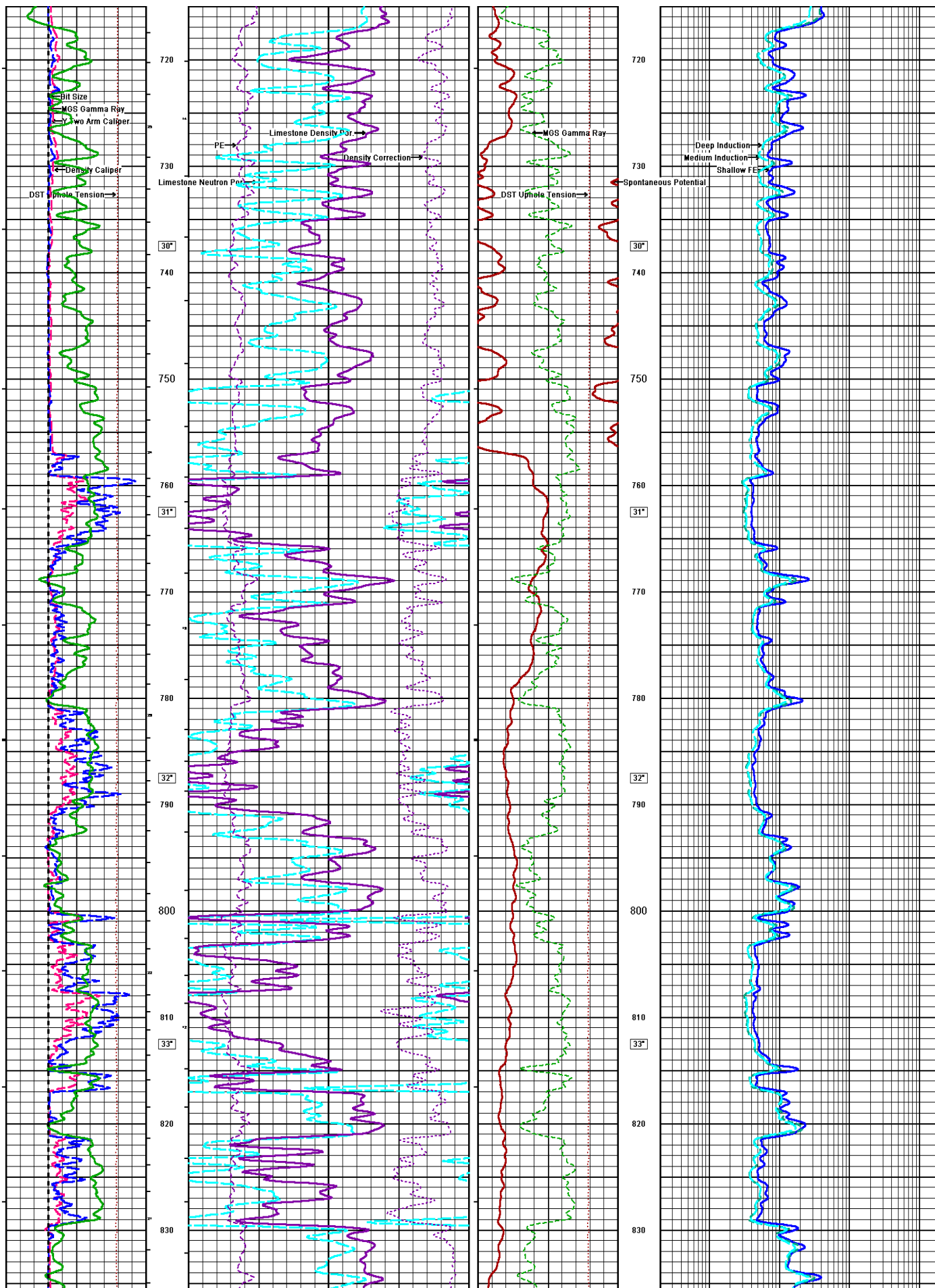
8) SONIC FREE PIPE FOUND FROM 352M - 357M

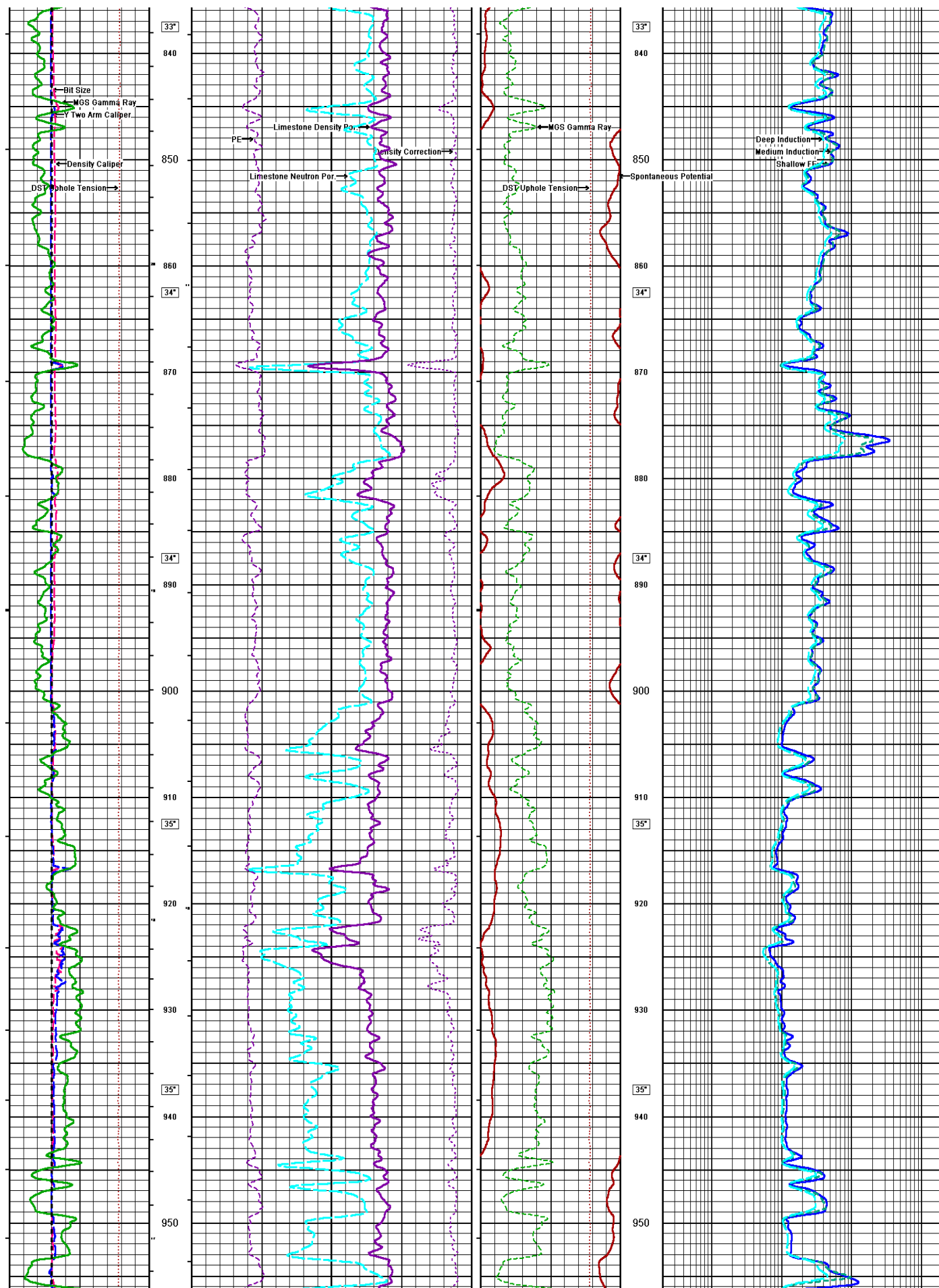
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs,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

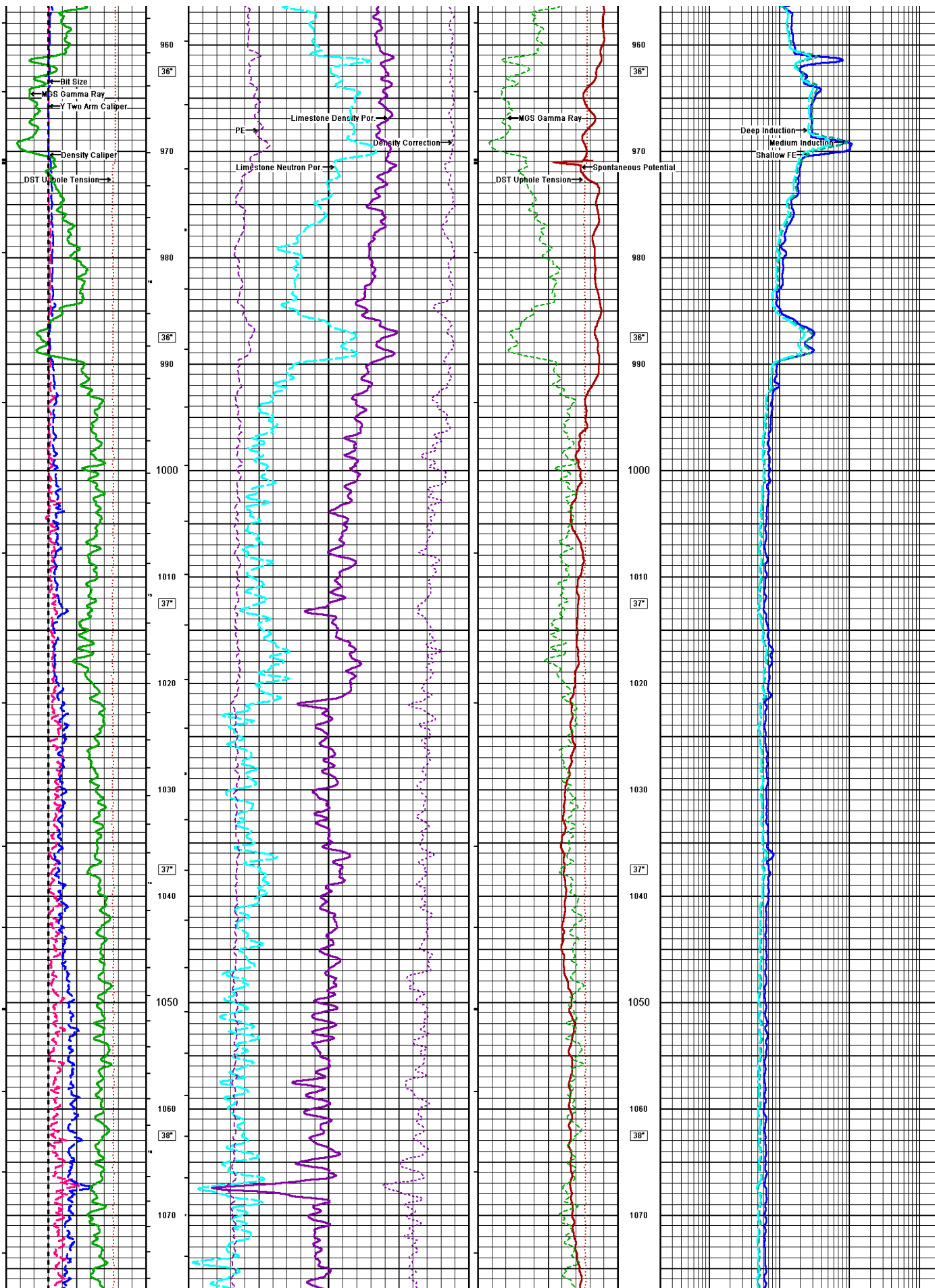


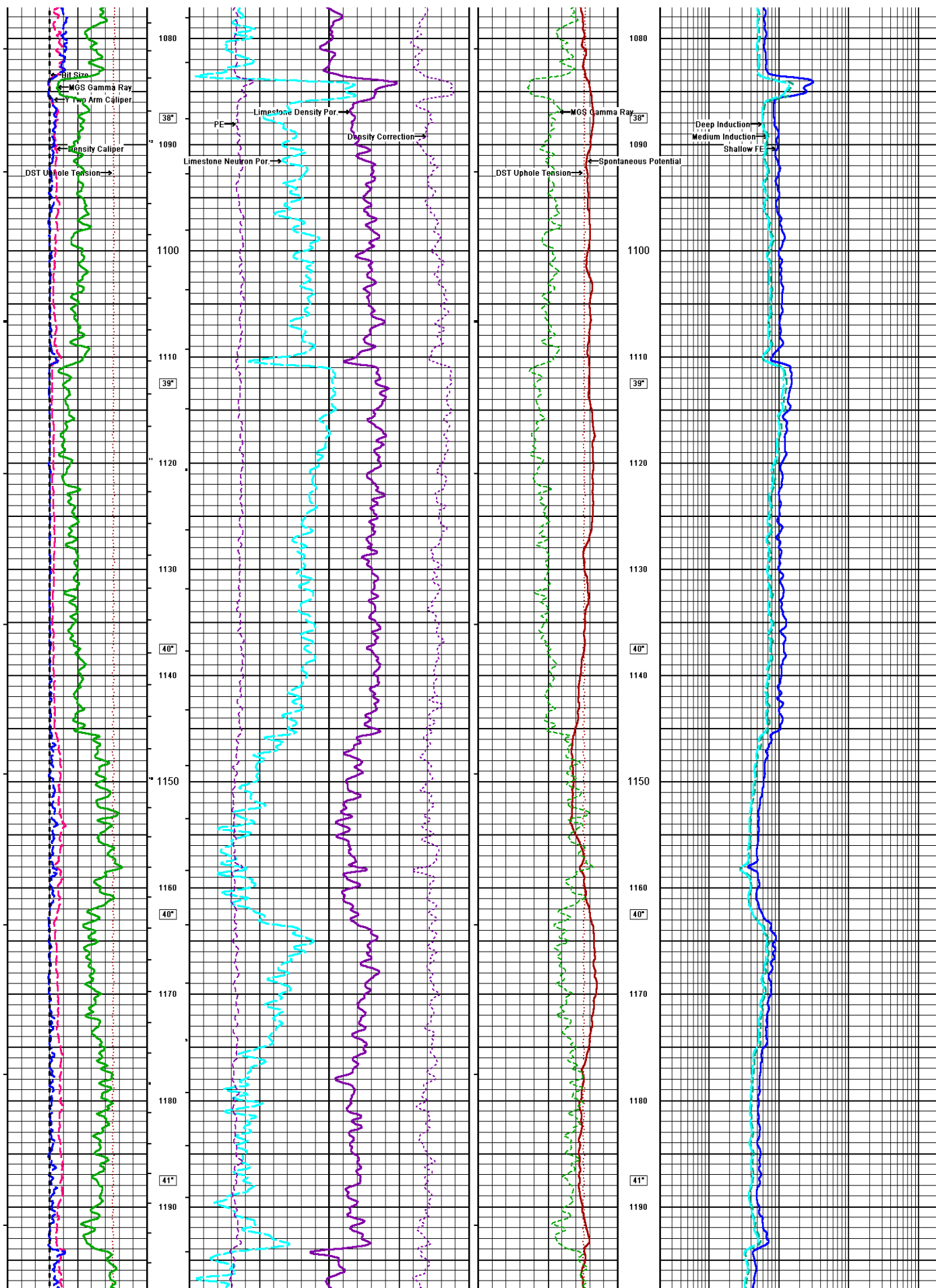


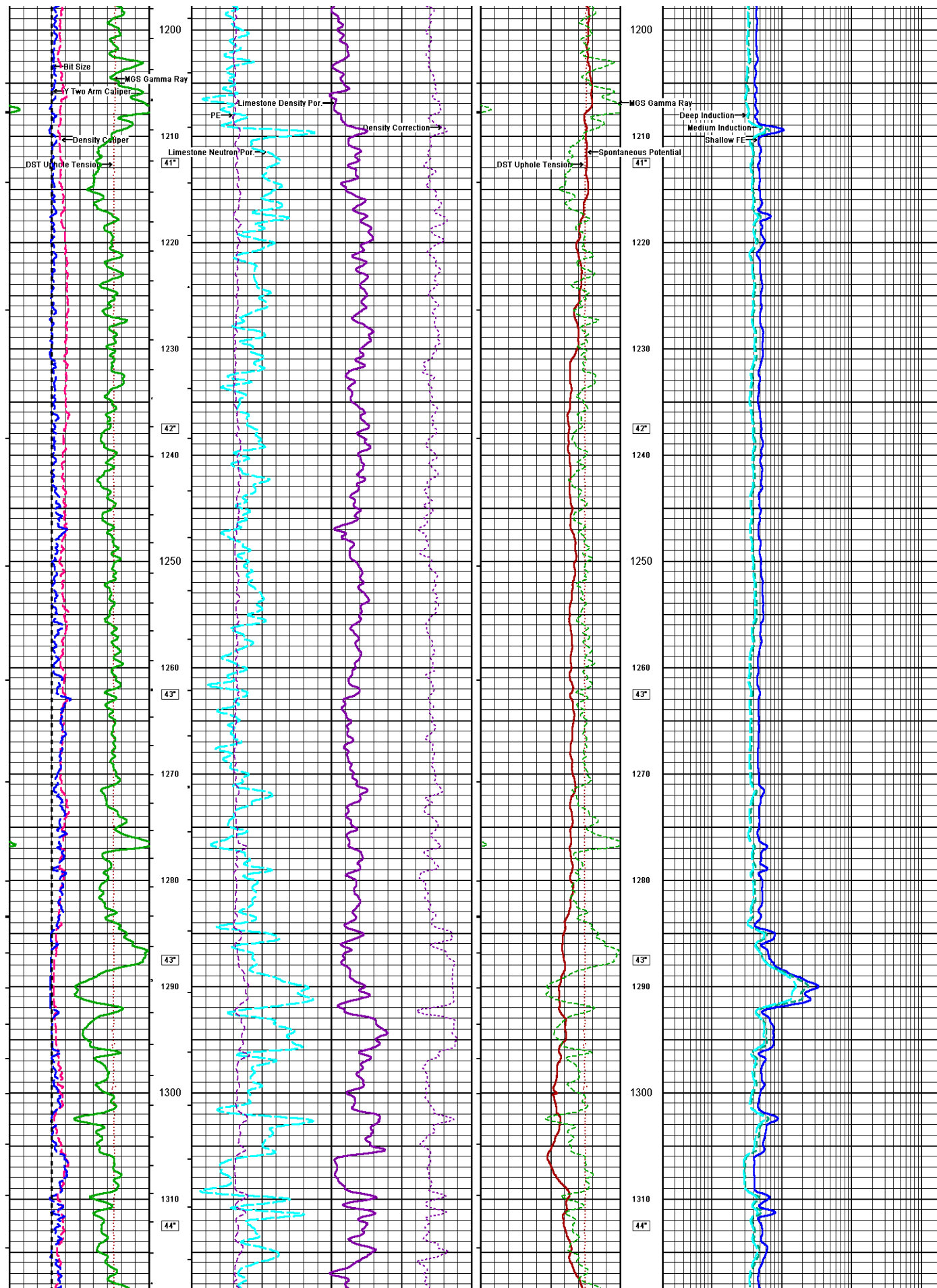


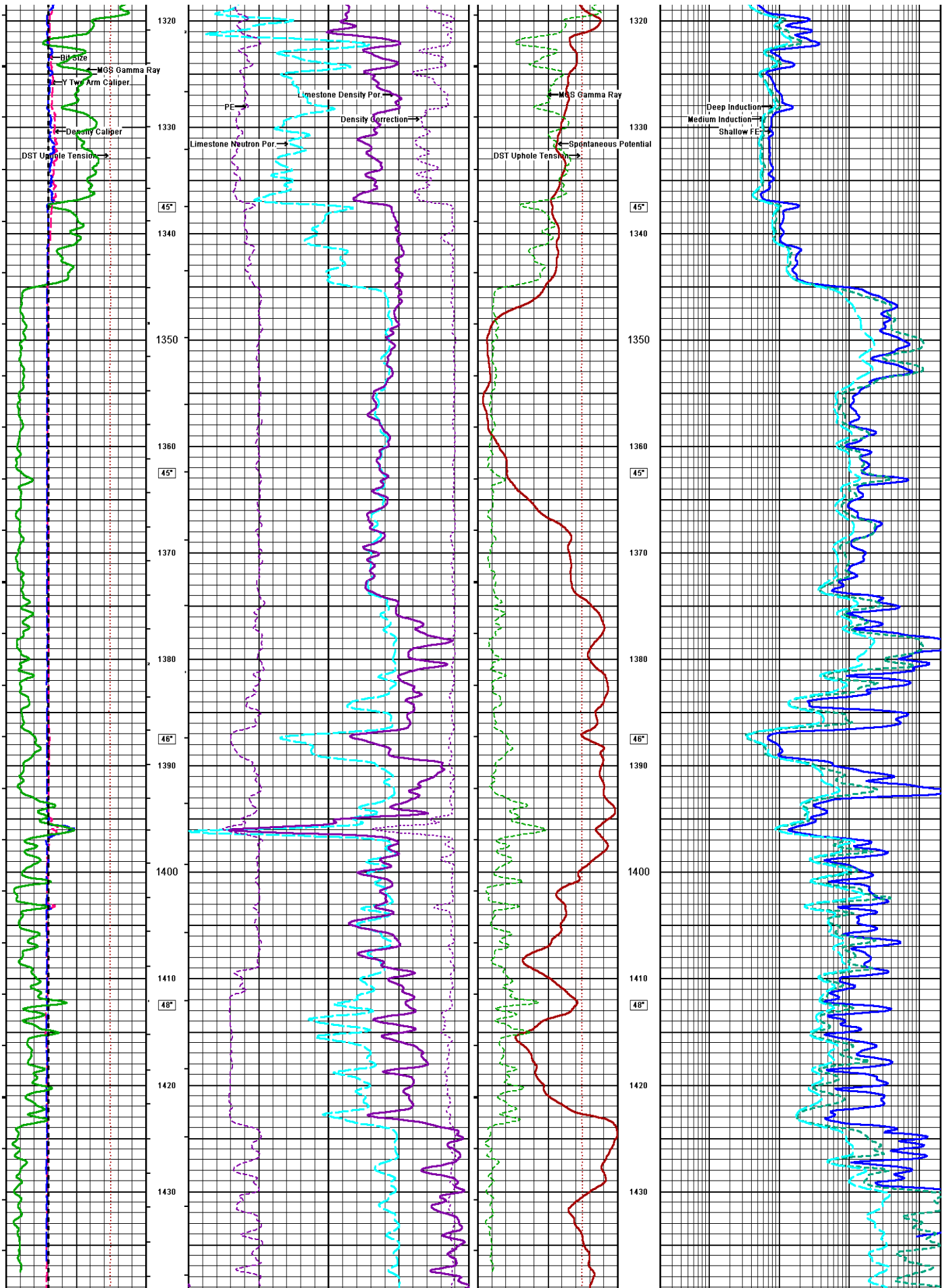


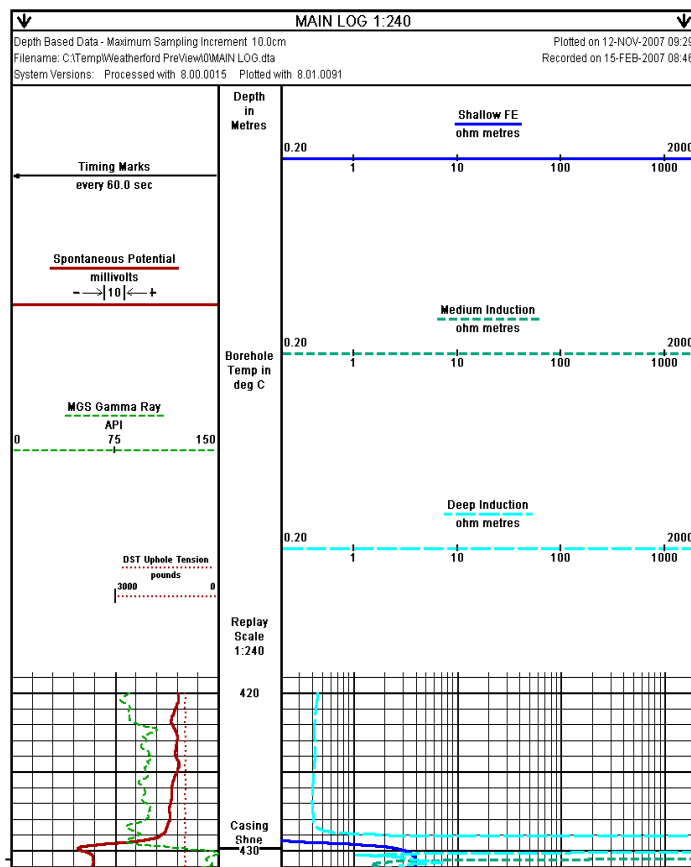
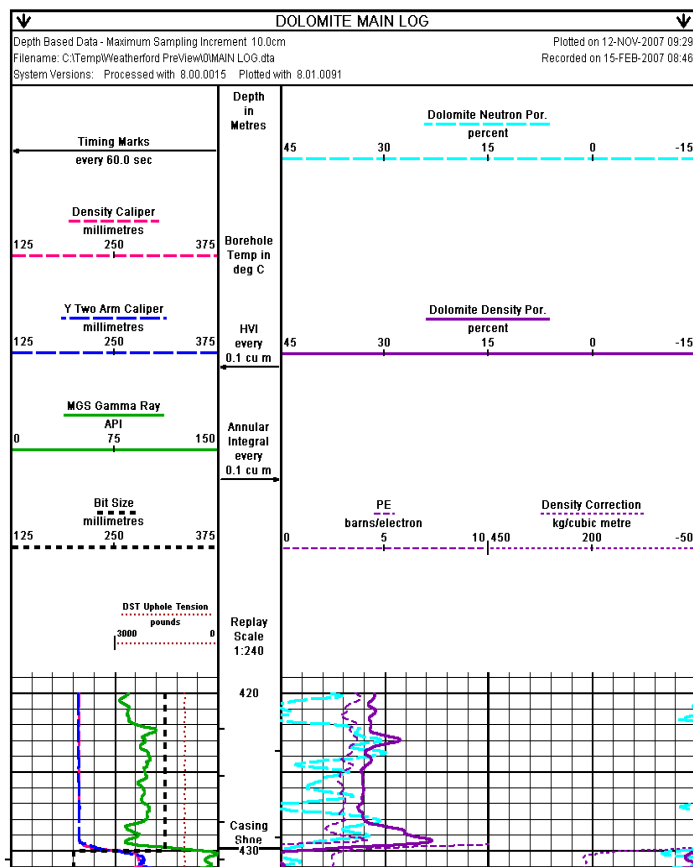
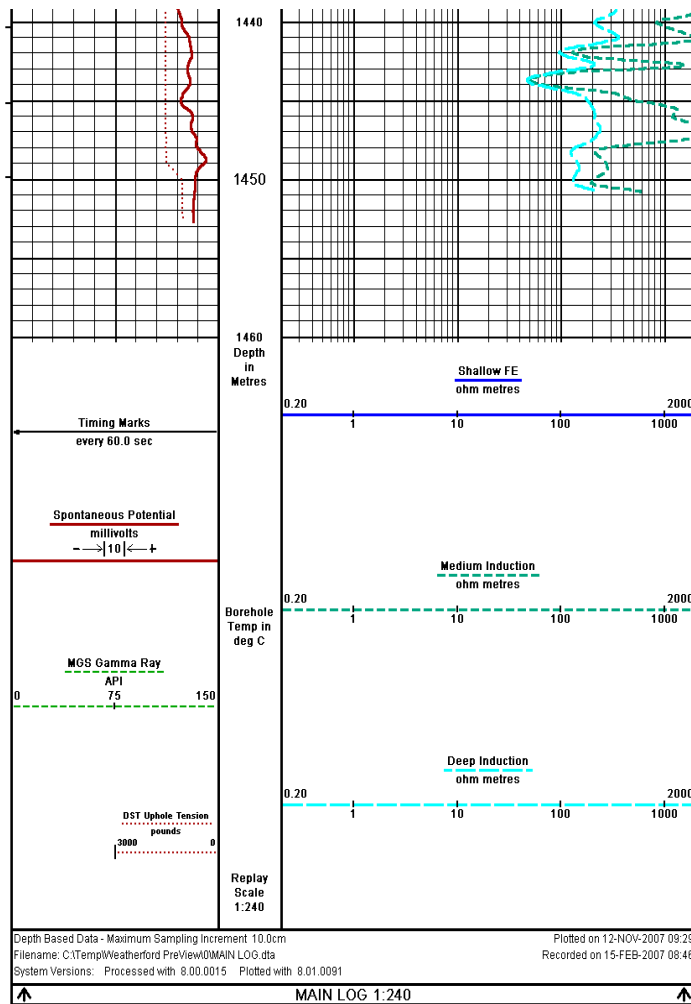
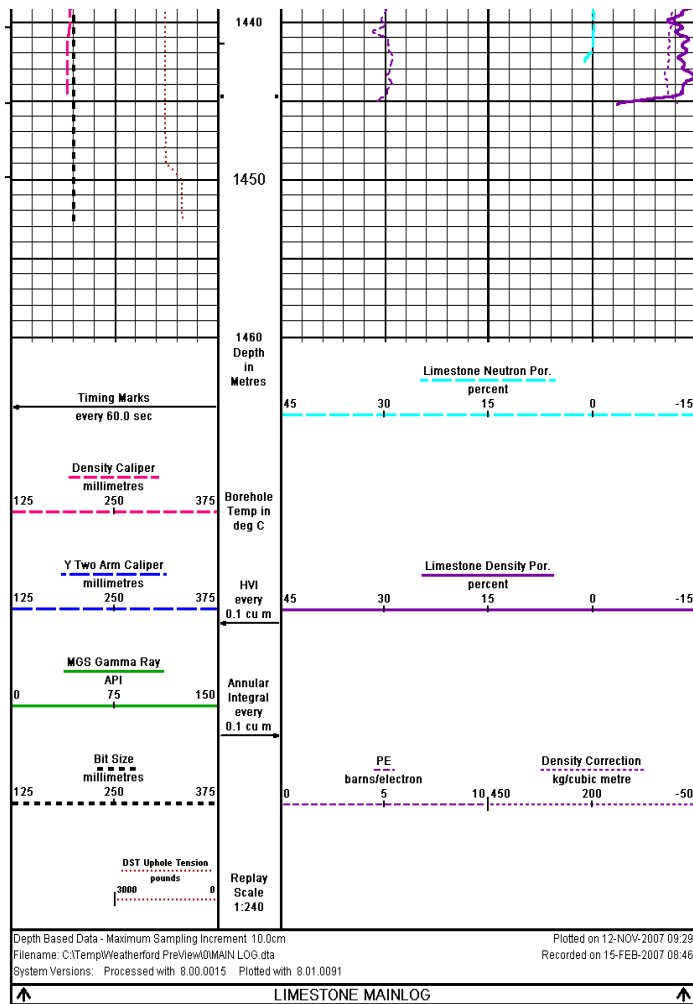


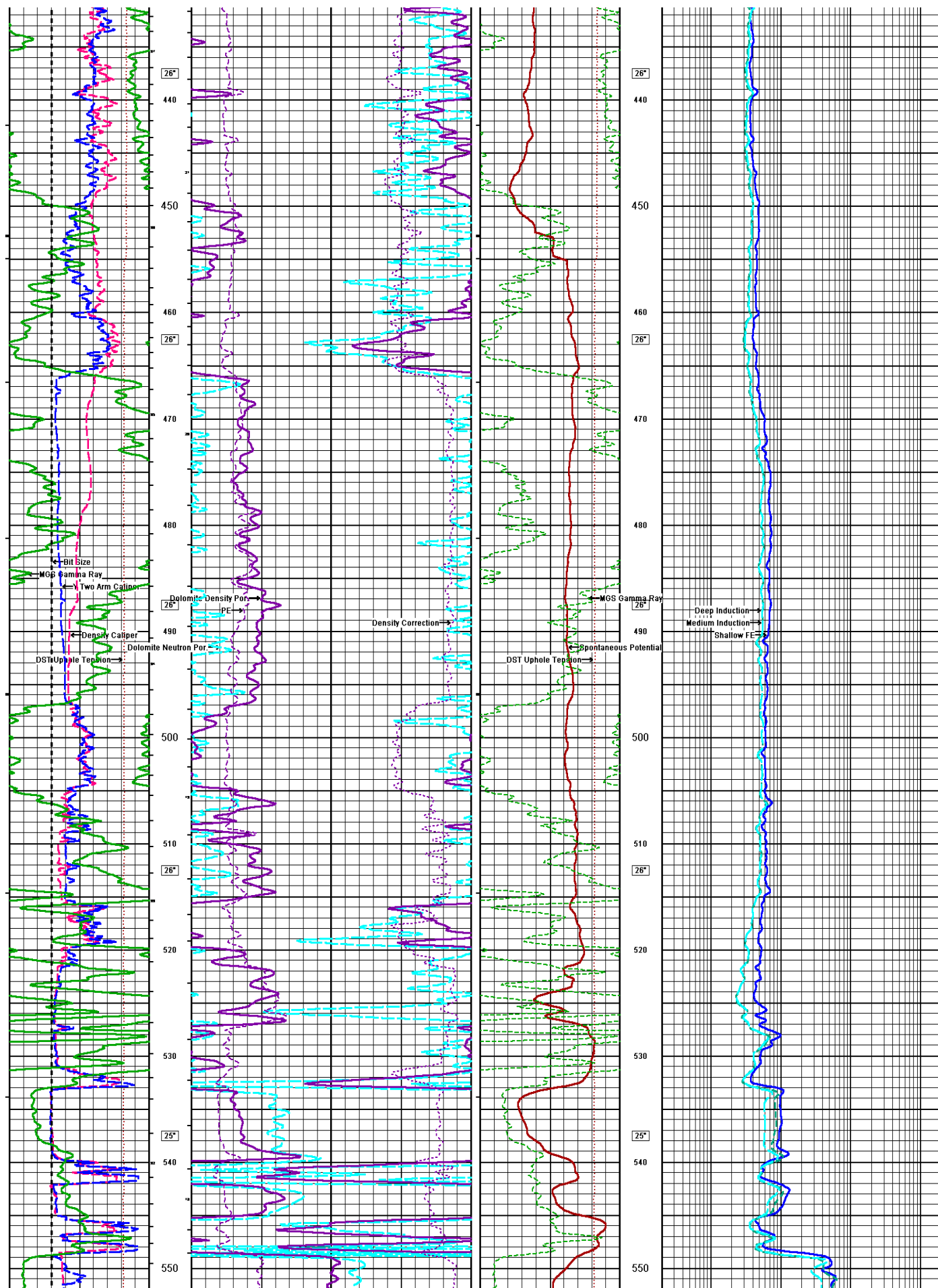


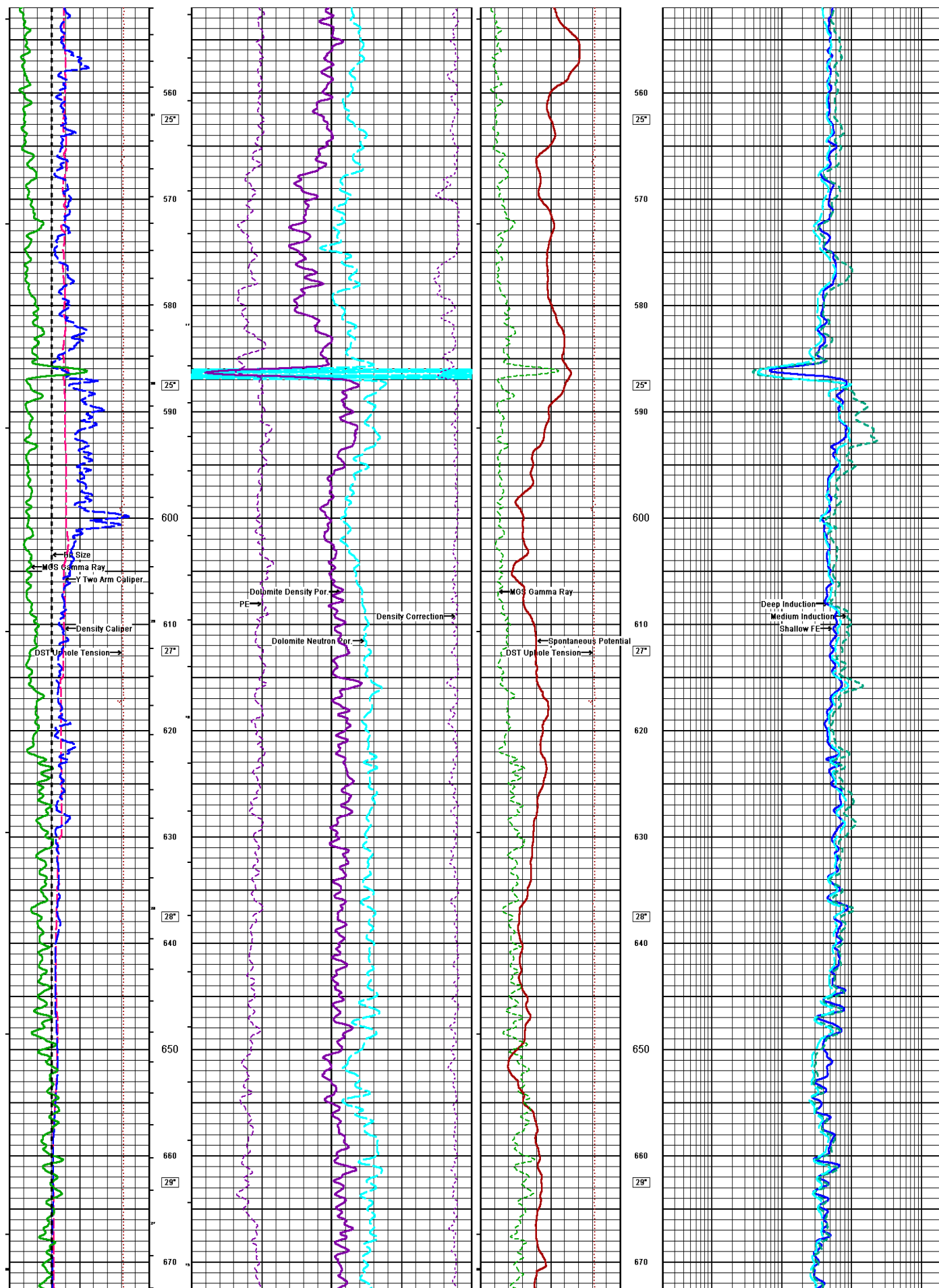


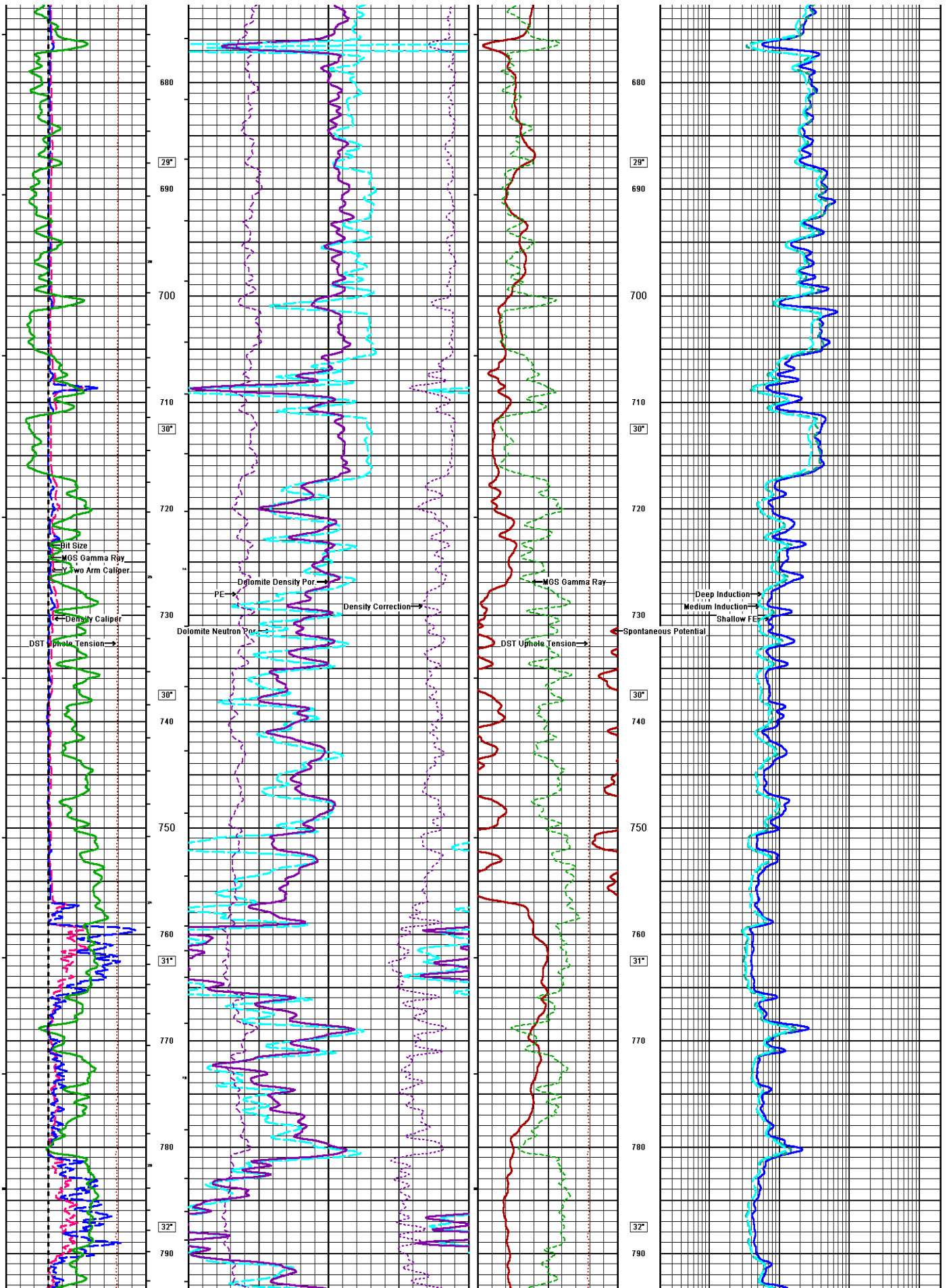


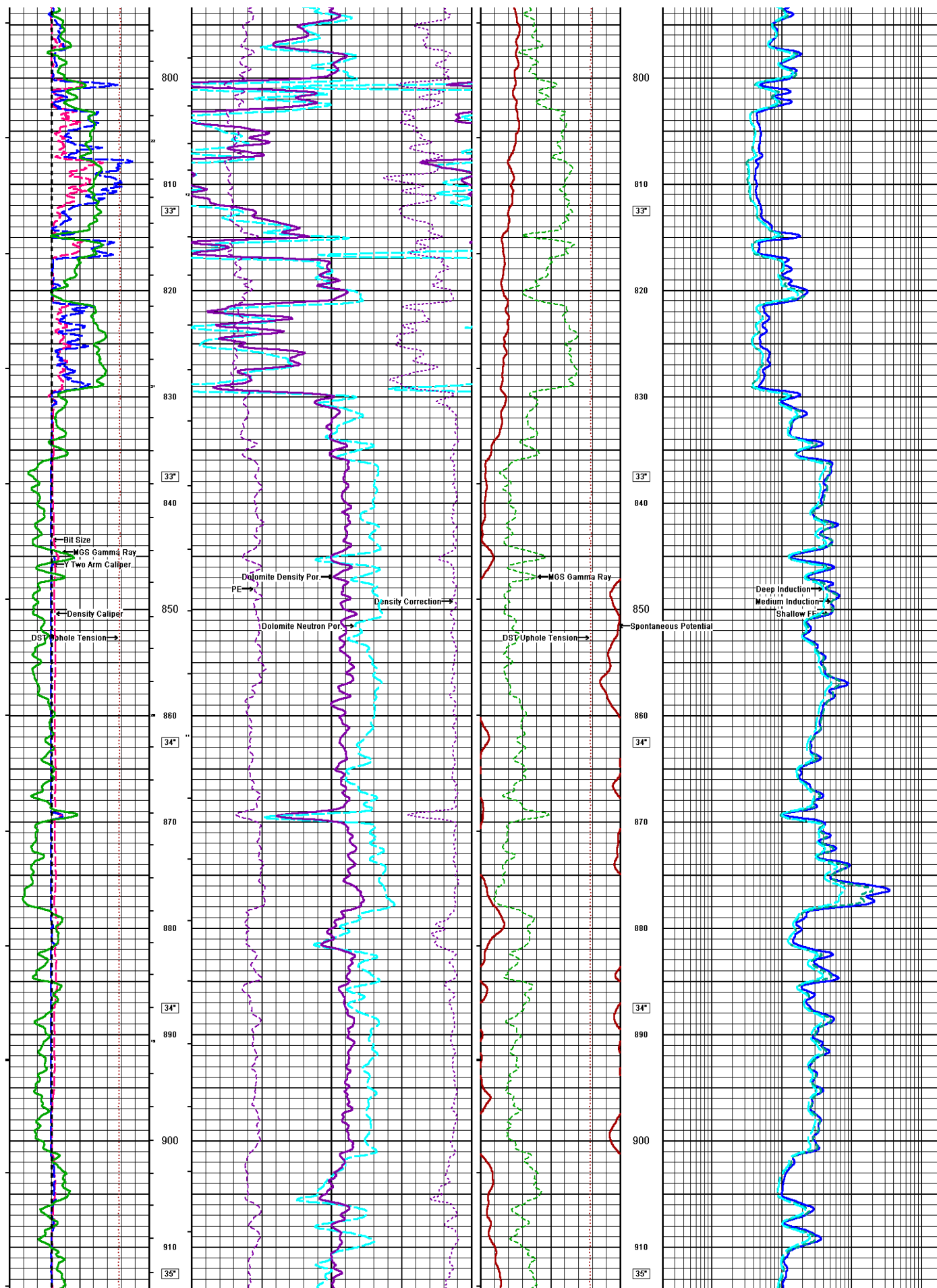


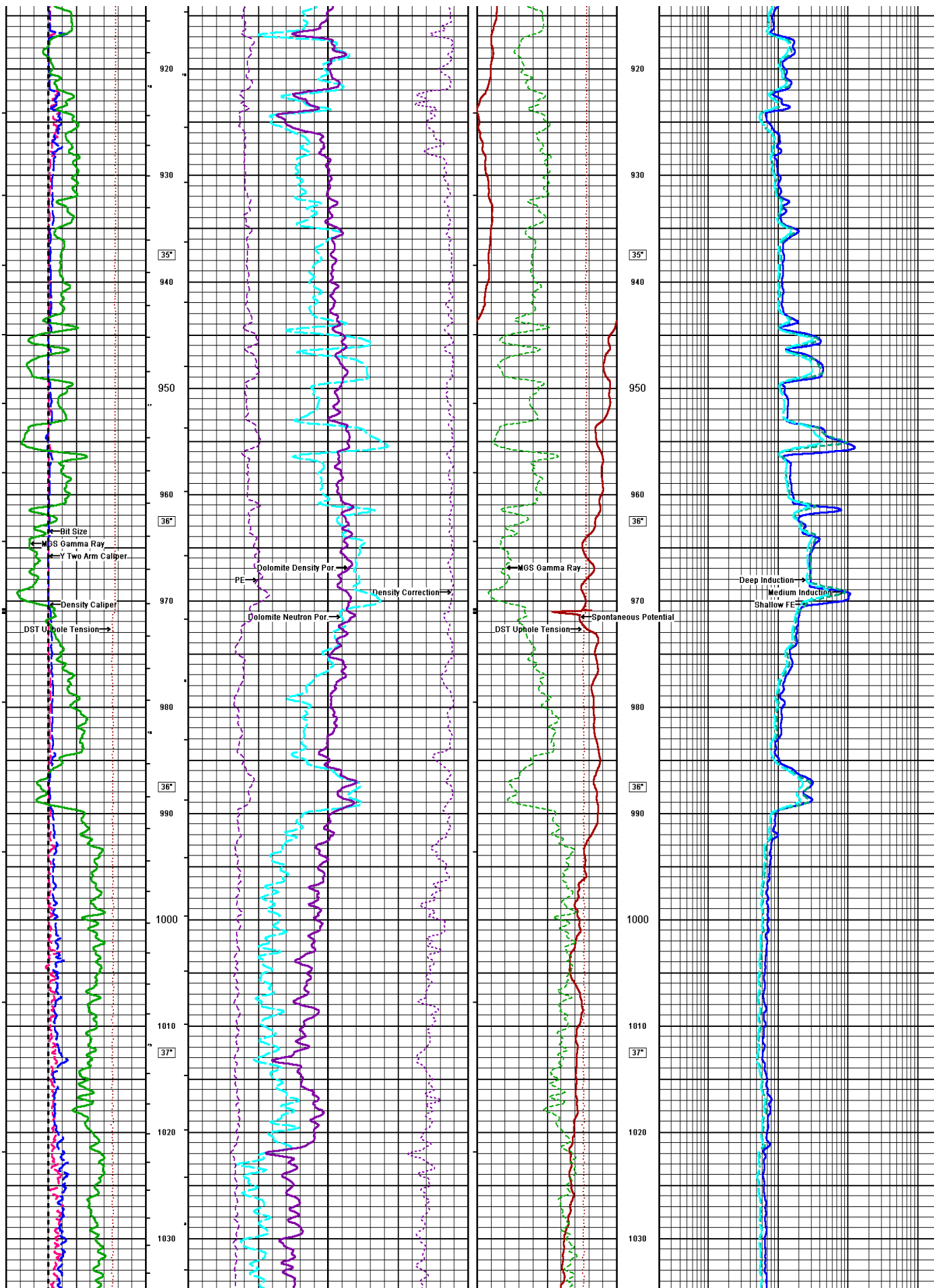


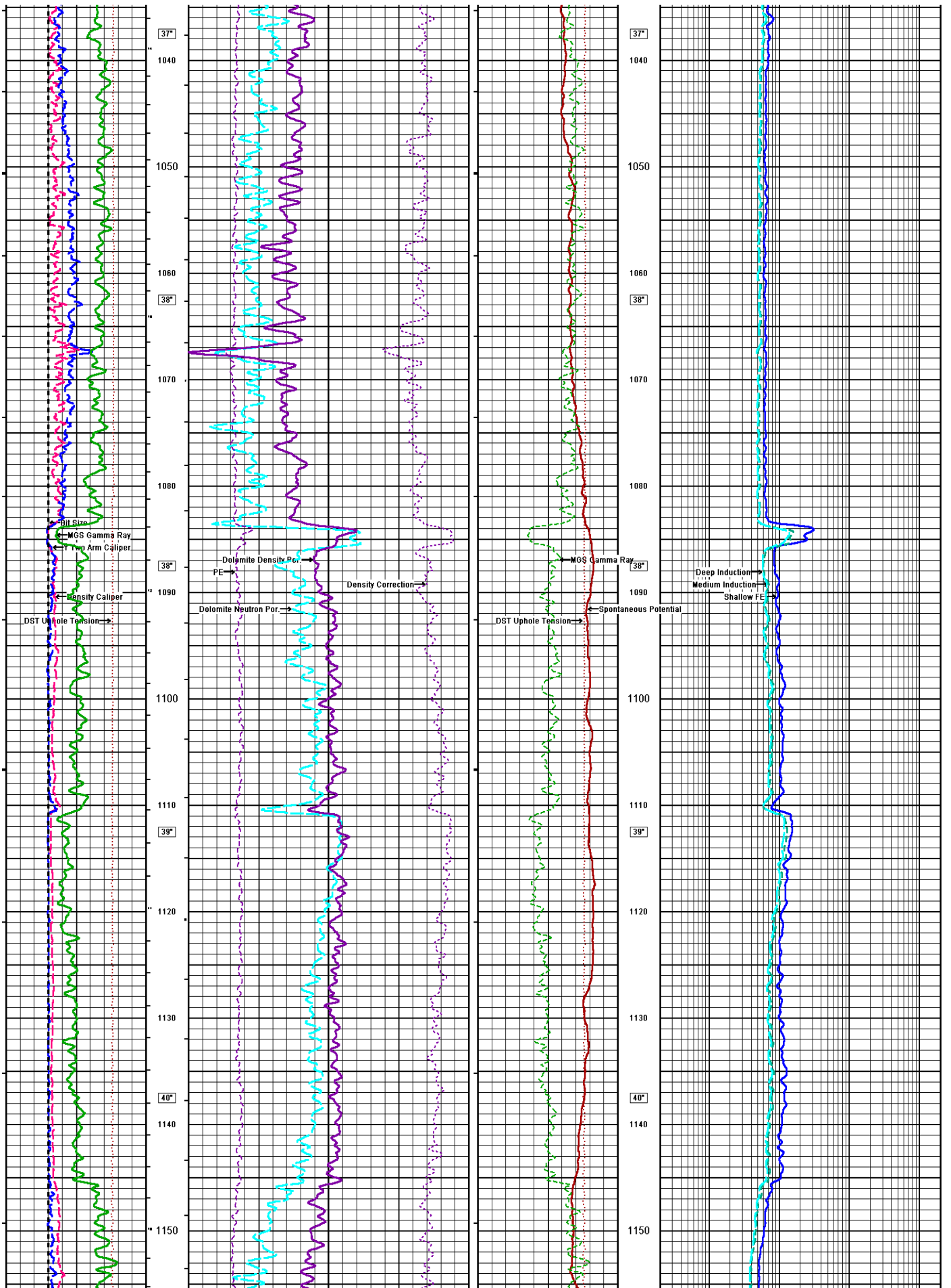


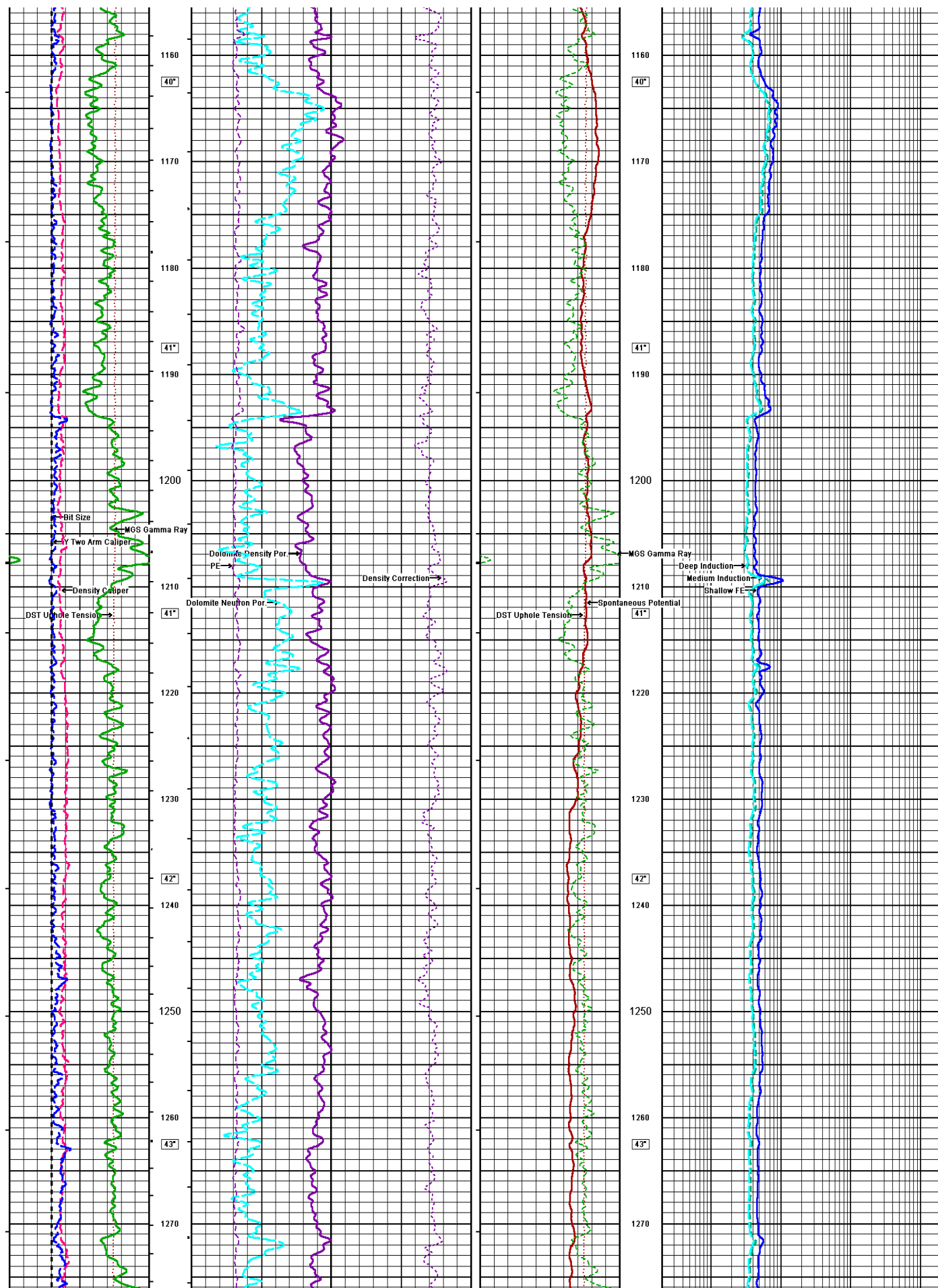


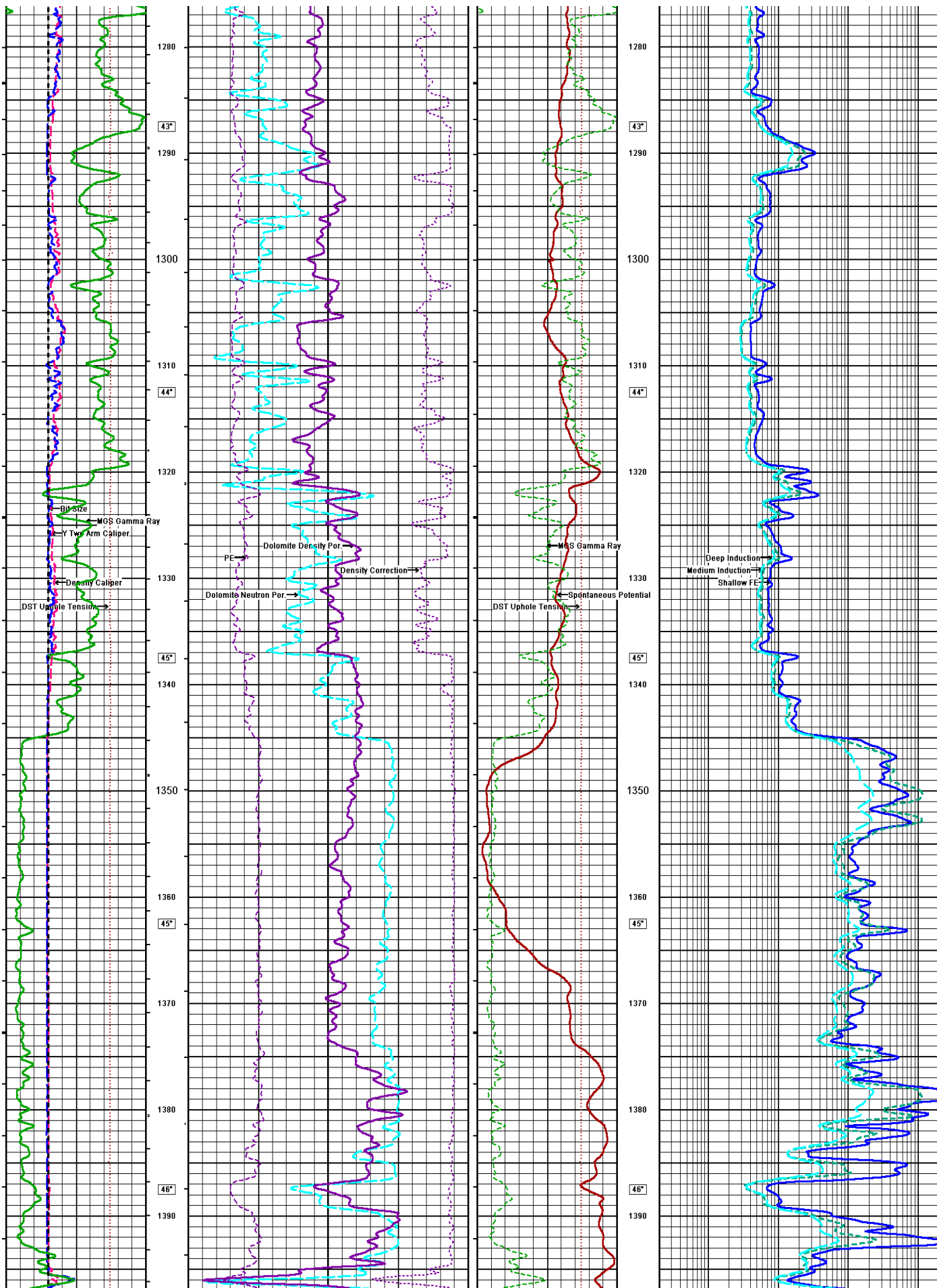


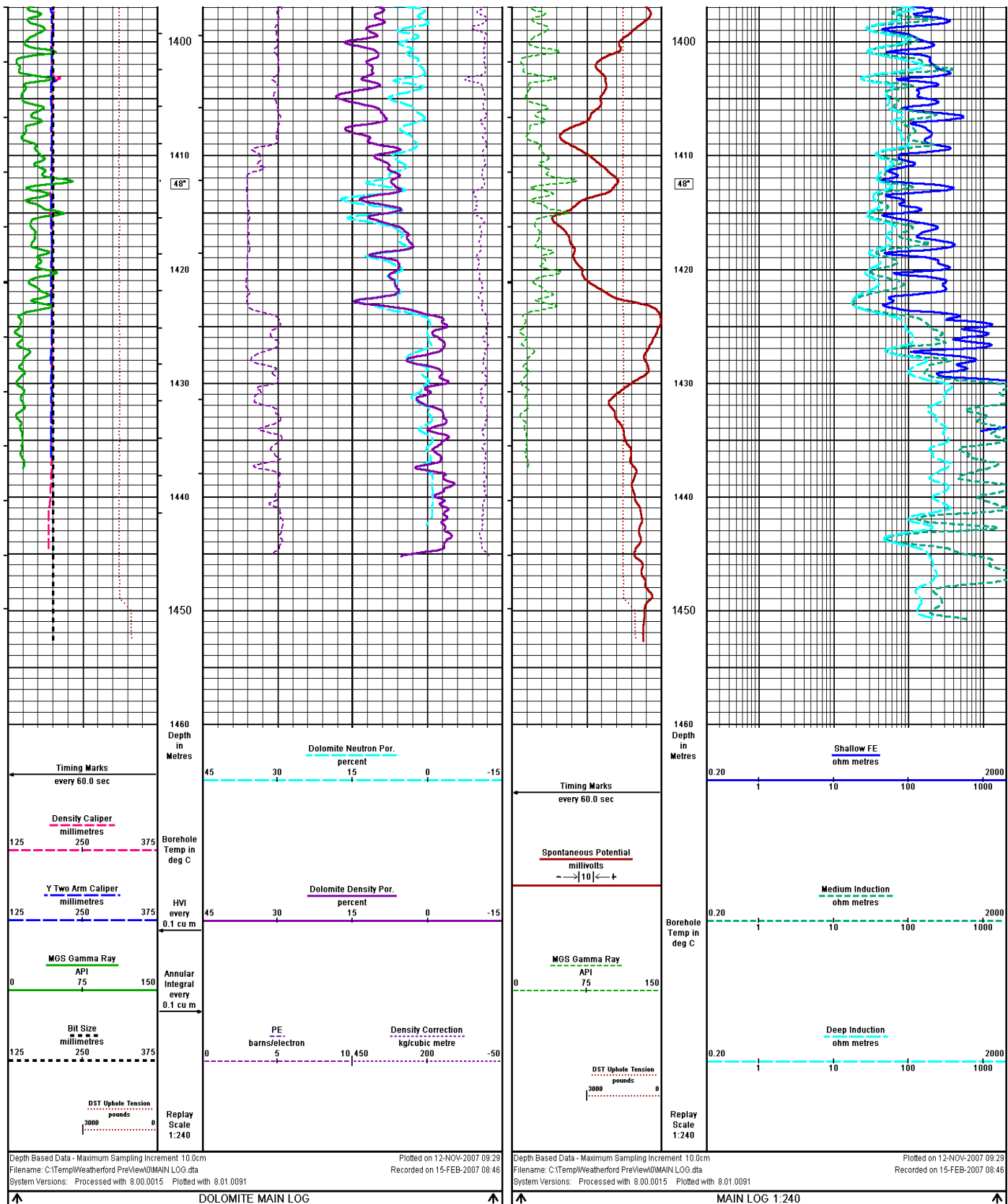












BEFORE SURVEY CALIBRATION

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General Constants All 000

Last Edited on 15-FEB-2007,06:48

General Parameters			
Mud Resistivity	1.180	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 159			
	Measured	Calibrated(Deg C)	Field Calibration on 28-NOV-2006,15:40
Lower	10.00	10.00	
Upper	50.00	50.00	
High Resolution Temperature Constants MCG 159			
			Last Edited on 28-NOV-2006,15:40
Pre-filter Length	11		
Caliper Calibration MTC 006			
			Base Calibration on 25-JAN-2007,18:14
			Field Calibration on 10-FEB-2007,20:21
Base Calibration			
Reading No	Measured	Calibrator Size (mm)	
1	14734	110.00	
2	17539	162.00	
3	20248	212.00	
4	22990	262.00	
5	25897	311.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (mm)	Actual Caliper (mm)	
	208.70	205.70	
Gamma Calibration MGS 010			
	Measured	Calibrated (API)	Field Calibration on 7-FEB-2007,09:09
Background	48	31	
Calibrator (Gross)	1256	825	
Calibrator (Net)	1208	794	
Gamma Constants MGS 010			
			Last Edited on 15-FEB-2007,06:48
Gamma Calibrator Number	grcc075		
Mud Density	1060.00	kg/m3	
Caliper Source for Processing	Density Caliper		
Tool Position	Centred		
Concentration of KCl	0.00	kppm	
Neutron Calibration MDN 144			
			Base Calibration on 25-JAN-2007 18:05
			Field Check on 15-FEB-2007 05:21
Base Calibration			
	Measured	Calibrated (cps)	
	Near Far	Near Far	
	2967 93	3714 110	
Ratio	31.886	33.764	

Field Calibrator at Base	Calibrated (cps)	
	2065	2999
Ratio	0.689	
Field Check	Calibrated (cps)	
	2094	3091
Ratio	0.677	

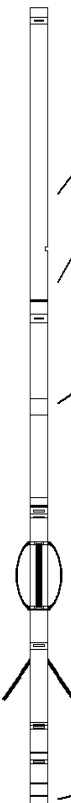
Neutron Constants MDN 144		Last Edited on 18-JAN-2007,02:18	
Neutron Source Id	16145b		
Neutron Jig Number			
Epithermal Neutron	No		
Caliper Source for Processing	Density Caliper		
Stand-off	0.00	mm	
Mud Density	1000.00	kg/m3	
Limestone Sigma	7.10	cu	
Sandstone Sigma	4.26	cu	
Dolomite Sigma	4.70	cu	
Formation Pressure Source	Constant Value		
Formation Pressure	0.00	kPa	
Temperature Source	MCG External Temperature		
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 036		Base Calibration on 8-MAR-2007,10:54		
		Field Check on		
Density Calibration				
Base Calibration		Measured	Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	52802	28585	60352	31615
Reference 2	21780	2767	25043	2540
Field Check at Base				
	1184.8	1494.9		
Field Check				
	0.0	0.0		
PE Calibration				
Base Calibration		Measured	Calibrated	
	WS	WH	Ratio	Ratio
Background	213	1052		
Reference 1	22151	53000	0.422	0.400
Reference 2	5909	20800	0.288	0.272
Field Check at Base				
	213.1	1051.7		
Field Check				
	0.0	0.0		

Density Constants MPD 036		Last Edited on 15-FEB-2007,04:55	
Density Source Id	2834GW		
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	1000.00	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	Advanced	
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 036			Base Calibration on 23-JAN-2007 04:20
			Field Calibration on 7-FEB-2007,11:28
Base Calibration			
Reading No	Measured	Calibrator Size (mm)	
1	18576	110.00	
2	28032	162.00	
3	37841	212.00	
4	48080	262.00	
5	57920	311.00	
6	N/A	N/A	
Field Calibration			
	Measured Caliper (mm)	Actual Caliper (mm)	
	166.10	166.10	

DOWNHOLE EQUIPMENT				C:\Temp\Weatherford PreView\0\REPEAT.dta
Compact Gamma MCG 159 Length: 2.65 m	Weight: 63.9 lb		20.78 m GRGC - Gamma Ray	
			19.90 m CGXT - MCG External Temperature	
Compact Focussed Electric MFE 17 Length: 1.84 m	Weight: 48.5 lb		18.79 m FEFE - Shallow FE	
Compact Two Arm Caliper MTC 6 Length: 2.17 m	Weight: 61.7 lb		16.33 m CLYC - Y Two Arm Caliper	
Compact Short Gamma MGS 10 Length: 1.04 m	Weight: 24.3 lb		15.46 m GRGM - MGS Gamma Ray	

FIELD	CAMERON HILLS
PROVINCE/COUNTY	NORTH WEST TERRITORIES
COUNTRY/STATE	CANADA

Elevation Kelly Bushing	769.20	metres	First Reading	1448.70	metre
Elevation Drill Floor		metres	Depth Driller	1449.00	metres
Elevation Ground Level	765.20	metres	Depth Logger	1449.50	metres



Weatherford®

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