COMPENSATED DENSITY SINGLE INDUCTION LOG

Patterson

Company	El Paso E & P Company, L.P.
Well	VPR "C"-122
Field	Purgatorie River
County	Las Animas
State	Colorado

Location: API # :

1398' FNL & 1128' FWL

SEC 14 TWP 35S RGE 67W

Other Services

Permanent Datum	Ground Level	Elevation 8046'
Log Measured From	Ground Level	
Drilling Measured From	Ground Level	

Elevation
K.B. -------
D.F. -------
G.L. 8046'

Company	El Paso E & P Company, L.P.
Well	VPR "C"-122
Field	Purgatorie River
County	Las Animas
State	Colorado

Date	4-26-06		
Run Number	One		
Depth Driller	2545'		
Depth Logger	1900'		
Bottom Logged Interval	1899'		
Top Log Interval	Surface Casing		
Casing Driller	8 5/8" @ 333'		
Casing Logger	333'		
Bit Size	7 7/8"		
Type Fluid in Hole	Water		
Density / Viscosity	////		
pH / Fluid Loss	////		
Source of Sample	////		
Rm @ Meas. Temp	////		
Rmf @ Meas. Temp	////		
Rmc @ Meas. Temp	////		
Source of Rmf / Rmc	////		
Rm @ BHT	////		
Time Circulation Stopped	3:00 P.M.		
Time Logger on Bottom	7:35 P.M.		
Maximum Recorded Temperature	101 DEG F		
Equipment Number	T096		
Location	Trinidad		
Recorded By	S. Allen		
Witnessed By	Mr. Claude Brand		

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Comments

Density Porosity Presented on Sandstone Matrix.

ABHV Calculated for 5 1/2" Casing.

Reached a TD of 1900' on Repeat Section.

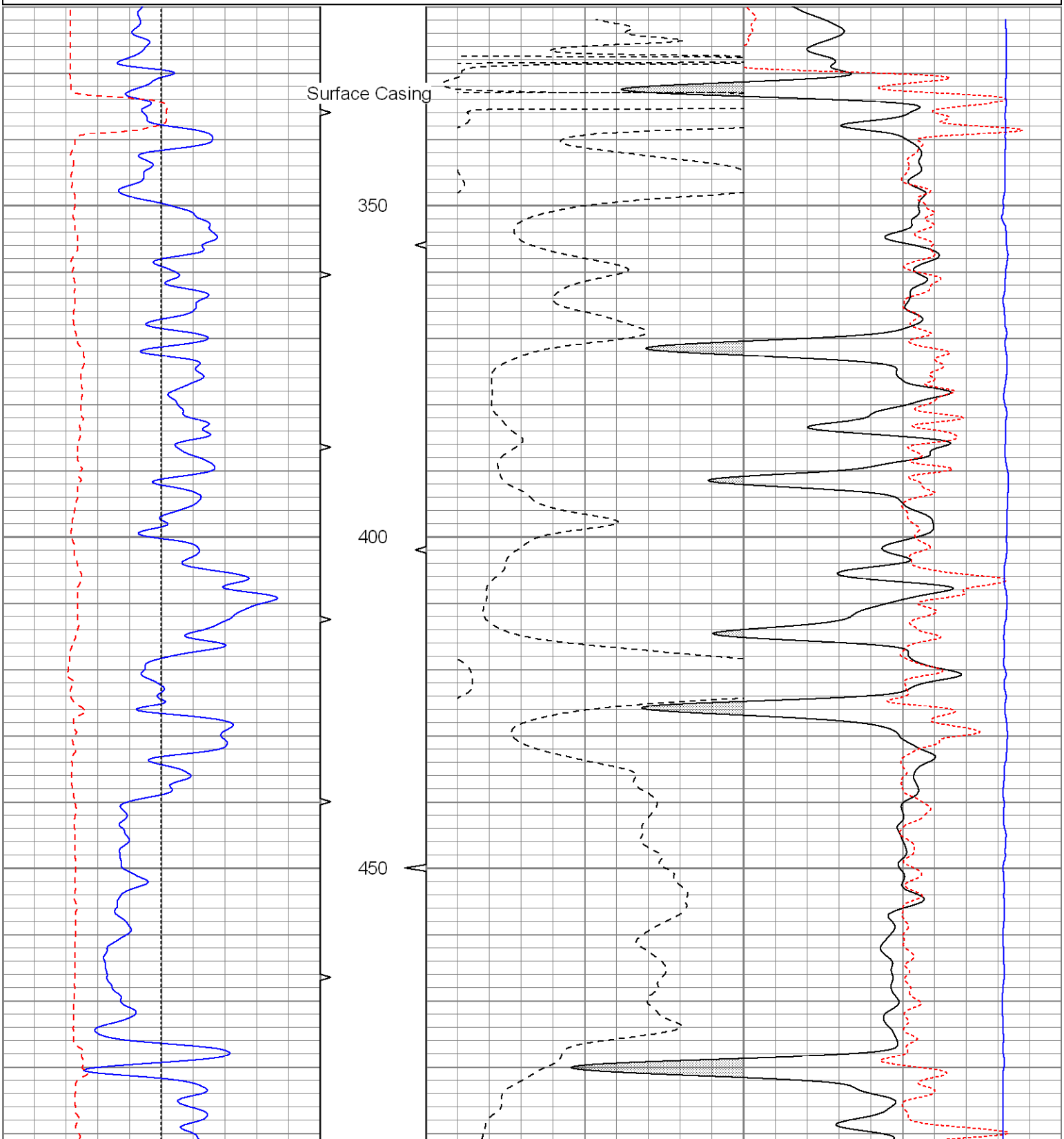
Well Directions:
Lorencito Gate-Stay on Main Road-Cross into New Mexico-
Drive Past A-182 WDW to "T"-Turn Left-
1st Right(A-1 Compressor)-2nd Right-Stay Left at "Y"-Stay Left at Next "Y"
-Drive Past A-131-Follow Road to Location.

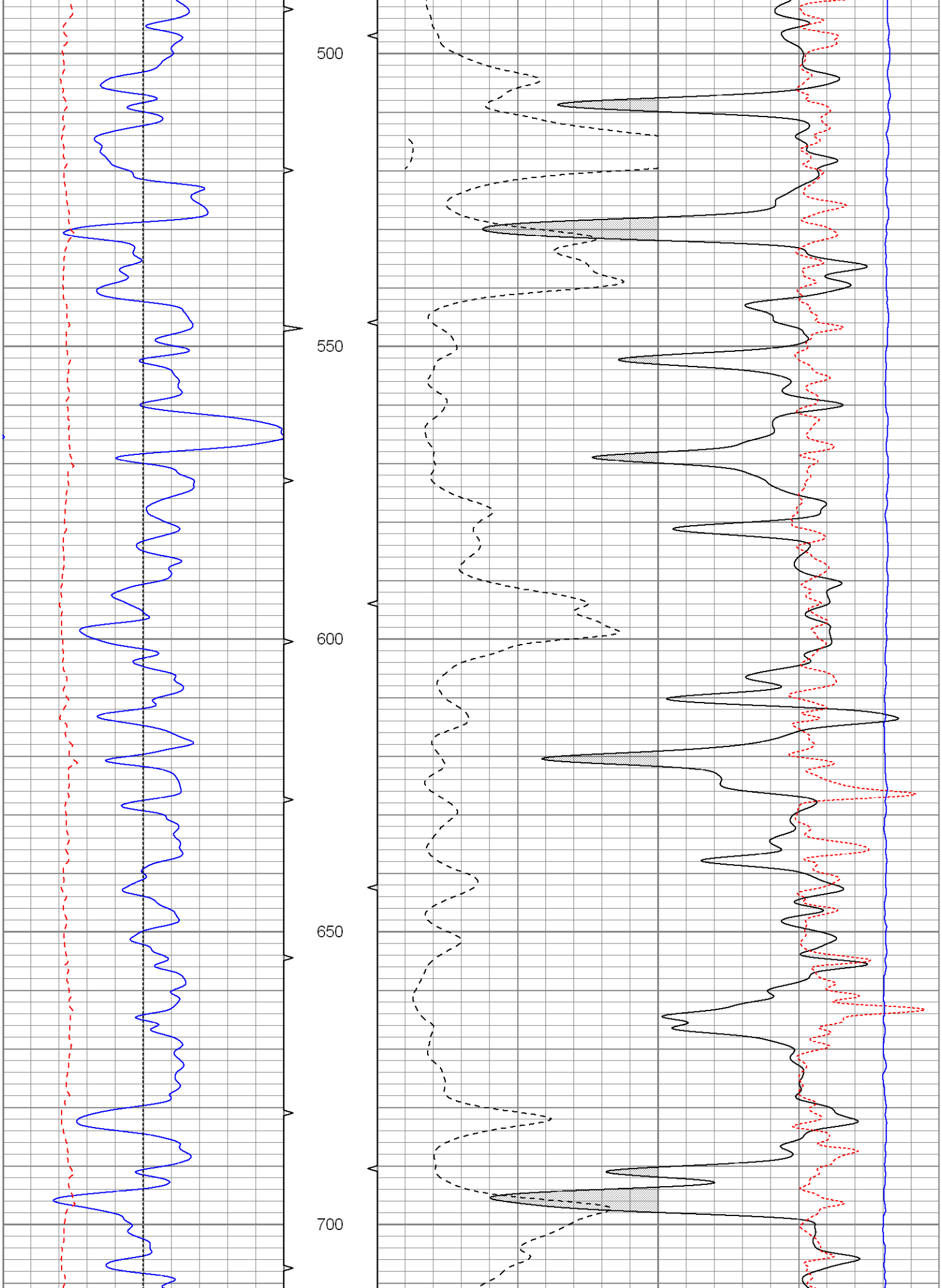
Patterson

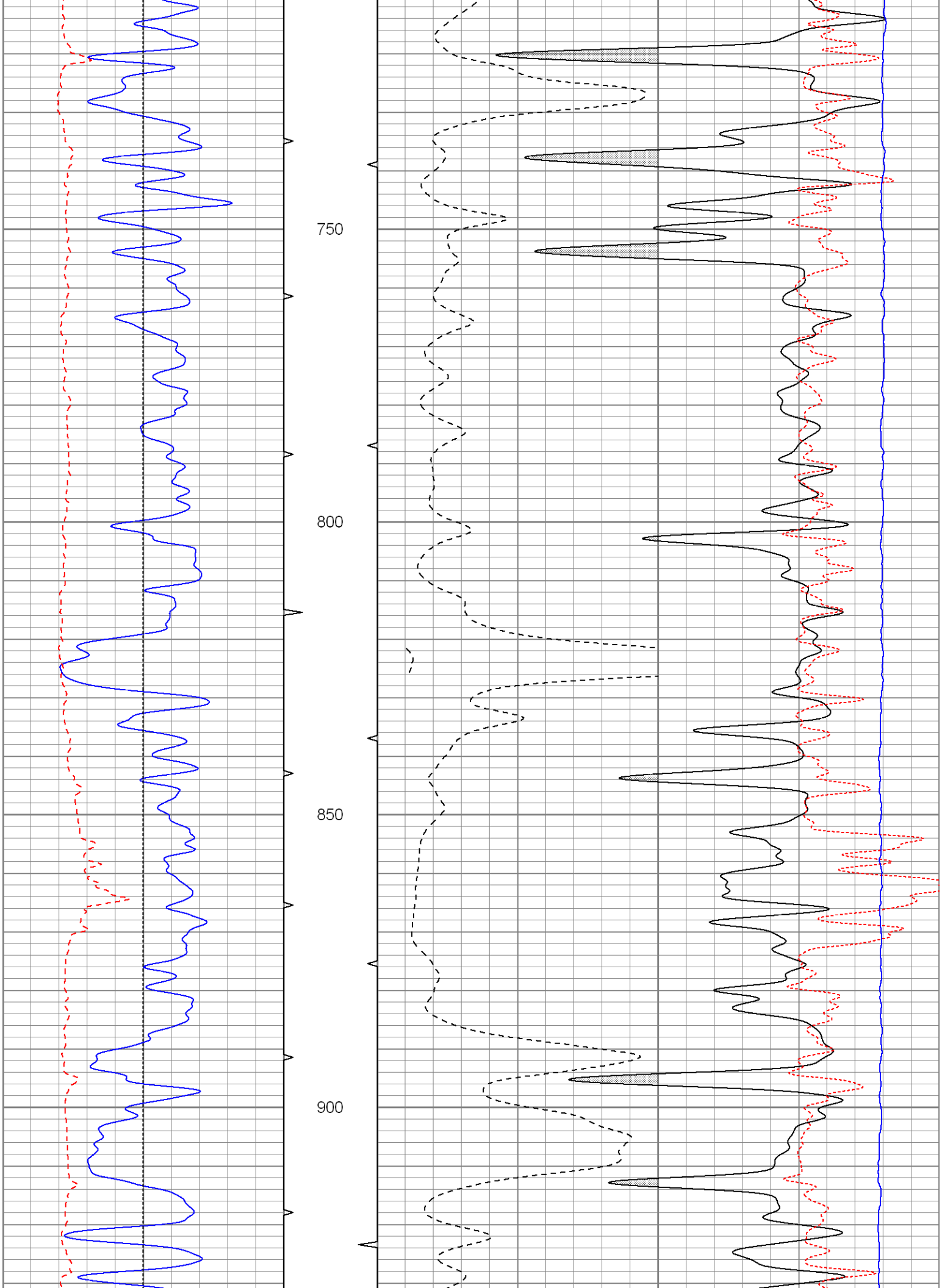
Main Pass

Database File:	c:\warrior\data\el paso\elpasovprc122.db
Dataset Pathname:	pass2.2
Presentation Format:	combosil
Dataset Creation:	Wed Apr 26 21:06:45 2006 by Calc Warrior 7.0 STD Ope
Charted by:	Depth in Feet scaled 1:240

0	GR (GAPI)	200	TBHV (ft3)	1	RHOB (g/cc)	3		
6	DCAL (in)	16	0 10	0	DIR (Ohm-m)	50	-0.5 RHOC (g/cc)	0.5
-100	SP (mV)	100		0	SN (Ohm-m)	50	5000 LTEN (lb)	0
			ABHV (ft3)	50	DIR (Ohm-m)	500		
			10 0	50	SN (Ohm-m)	500		




500
550
600
650
700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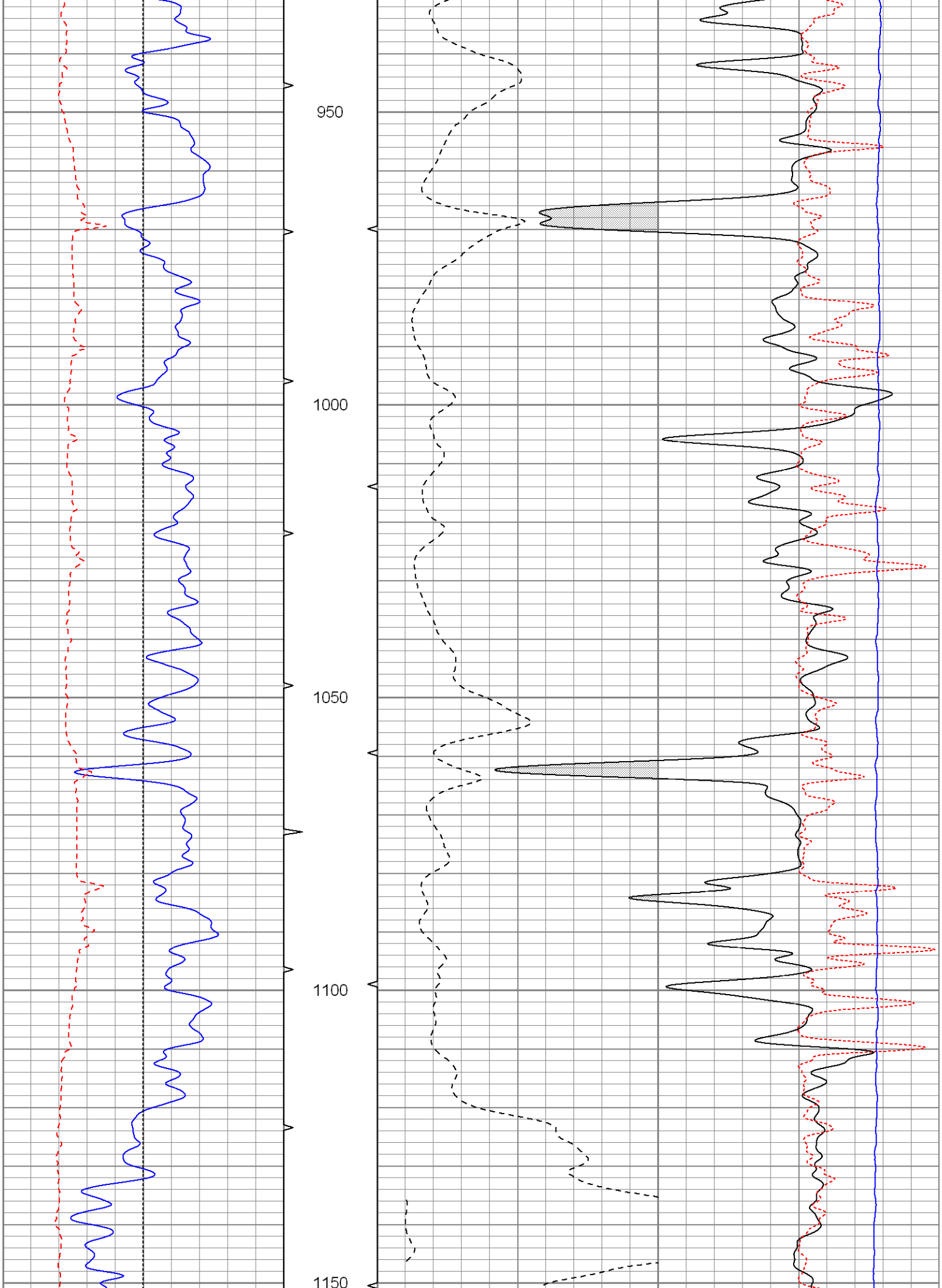
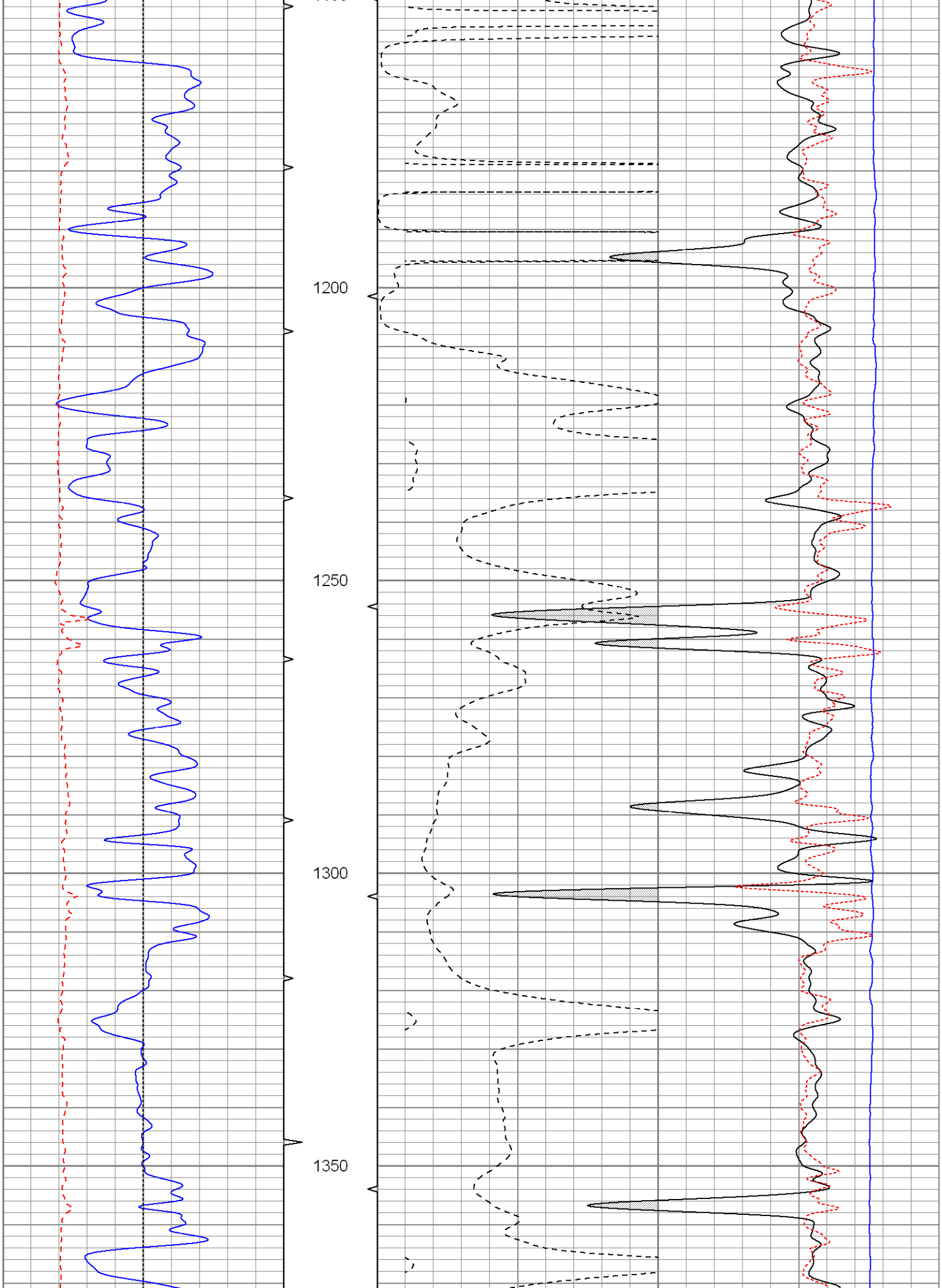
800
850
900


950
1000
1050
1100
1150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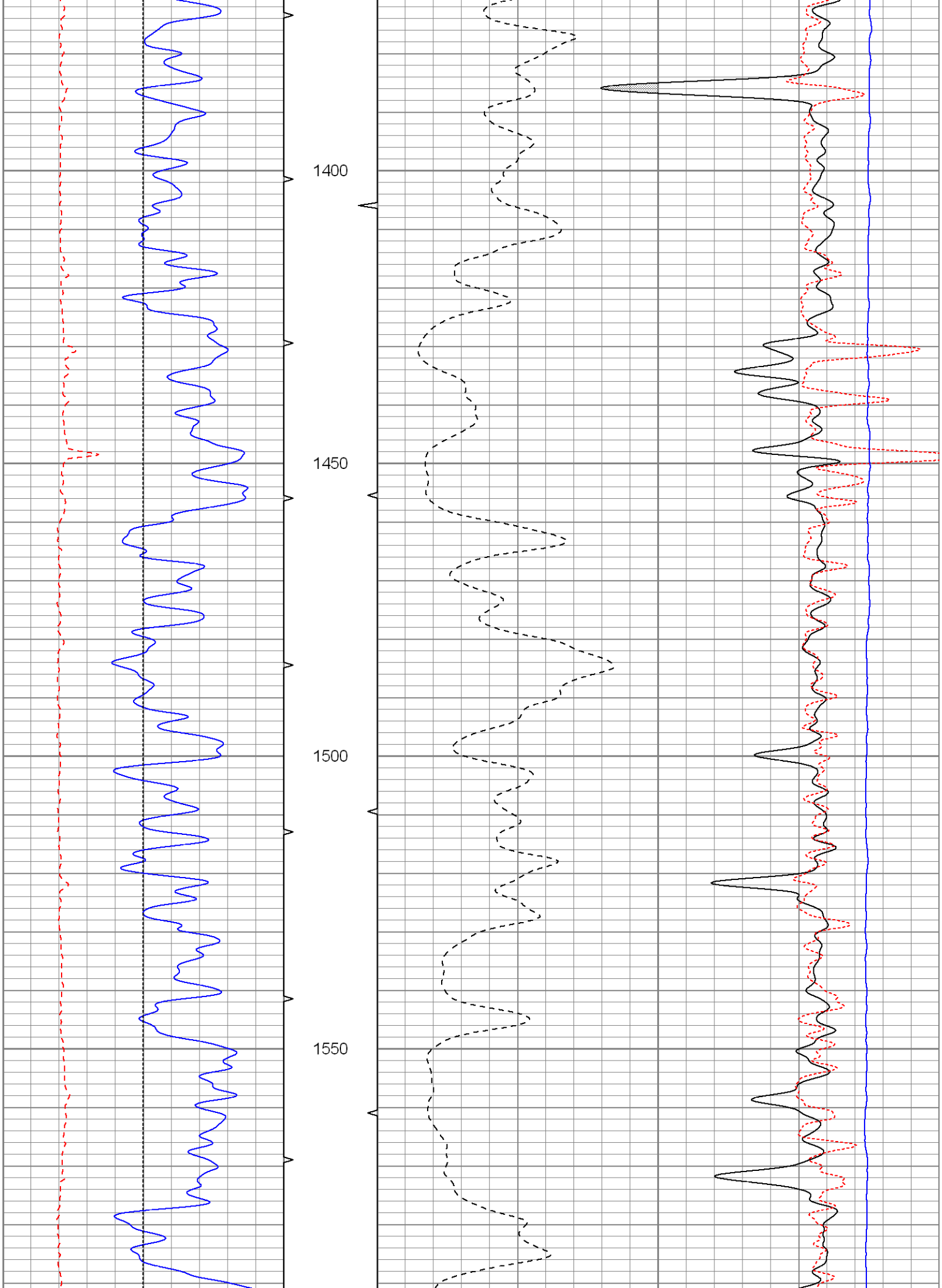
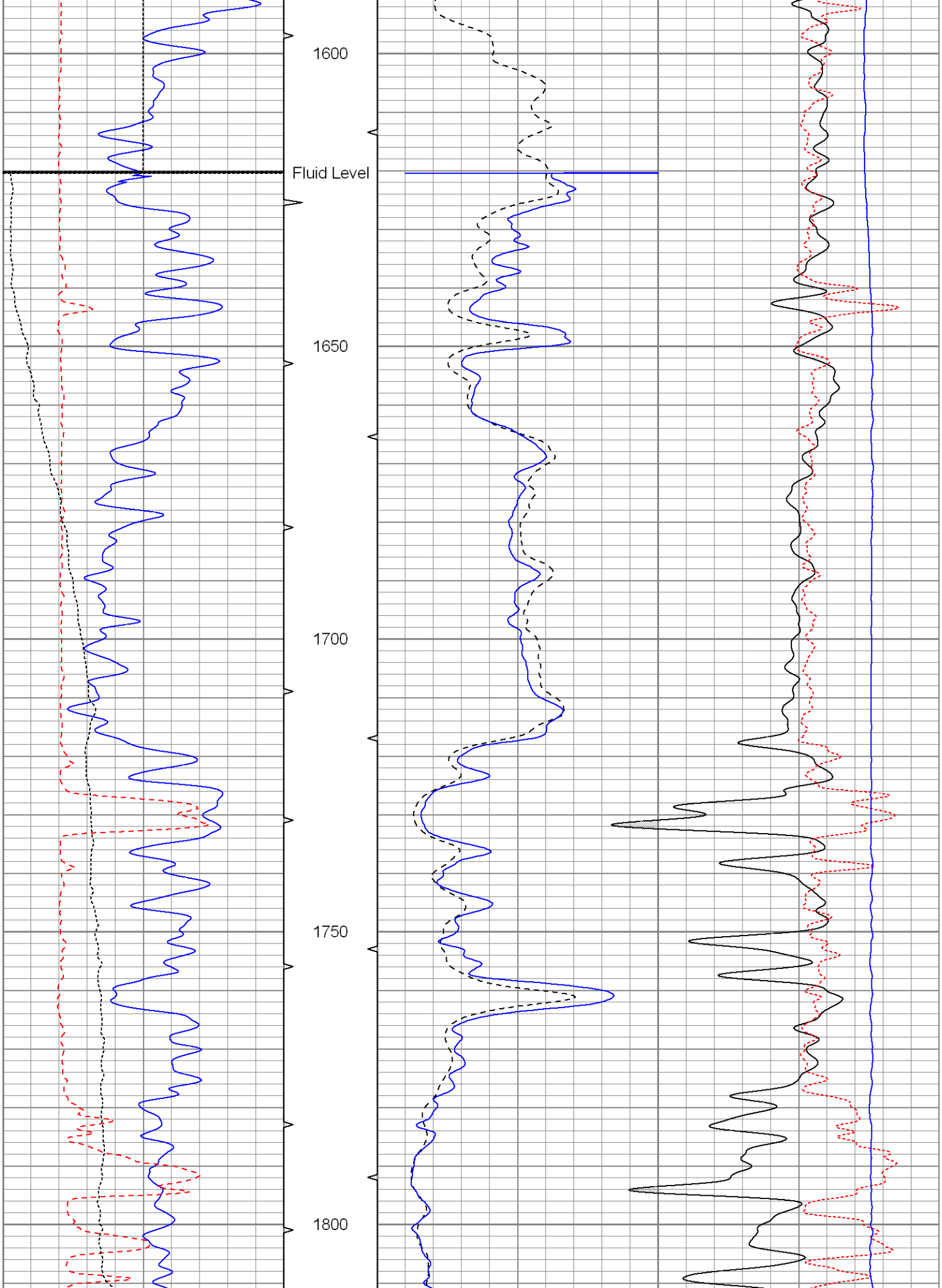
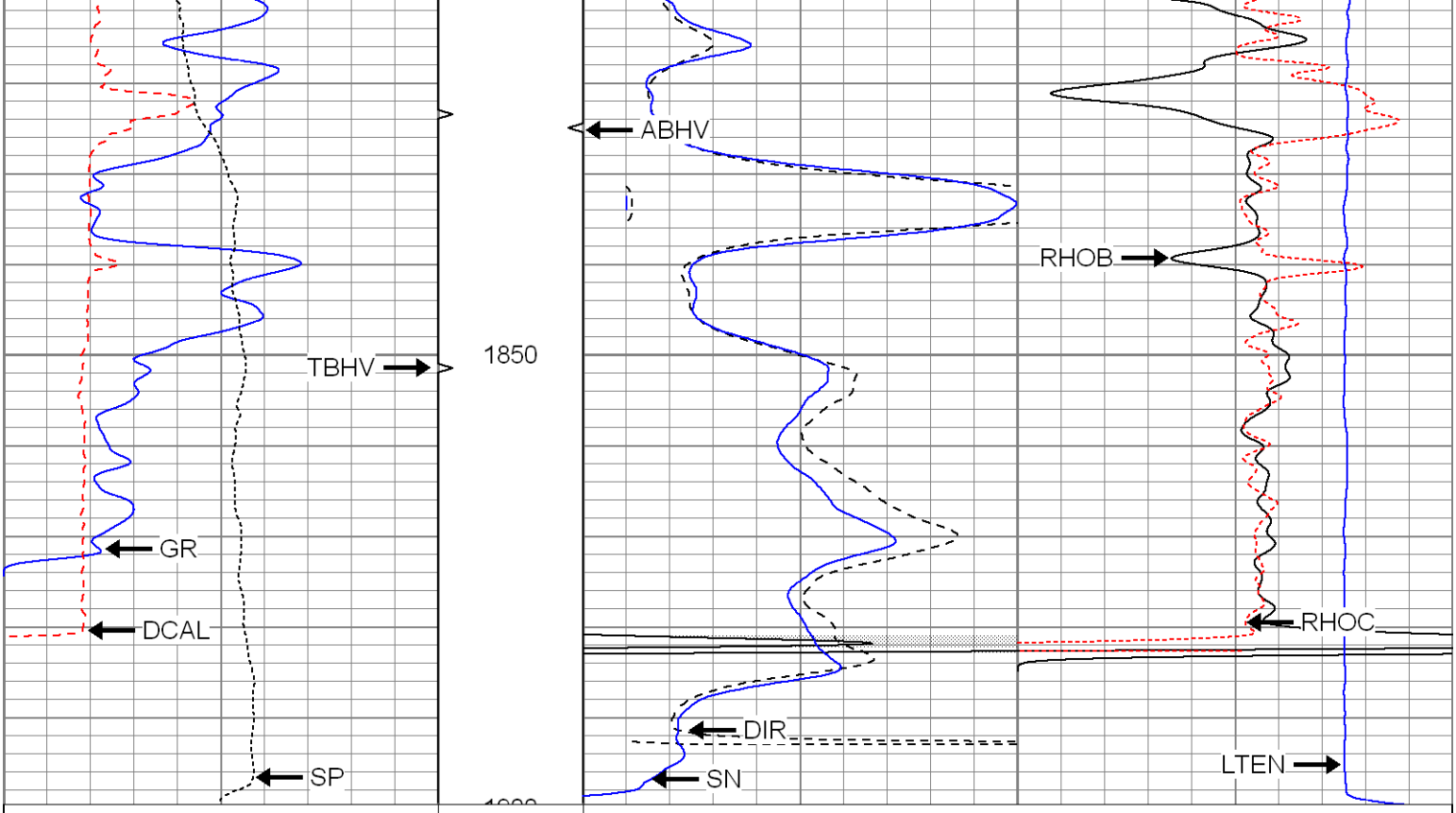
1250
1300
1350


1400
1450
1500
1550


1600
Fluid Level
1650
1700
1750
1800



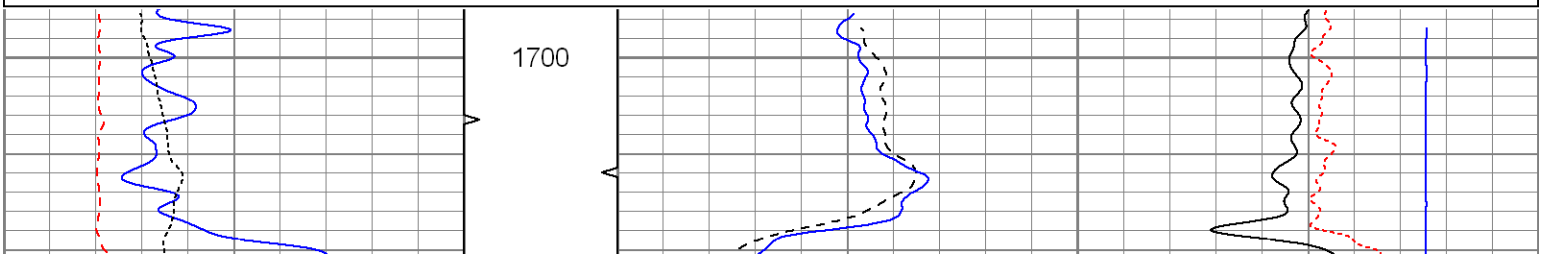
0	GR (GAPI) 200	TBHV (ft3)	1	RHOB (g/cc)	3
6	DCAL (in) 16	0 10	0	DIR (Ohm-m) 50	-0.5 RHOC (g/cc) 0.5
-100	SP (mV) 100	ABHV (ft3)	0	SN (Ohm-m) 50	5000 LTEN (lb) 0
		10 0	50	DIR (Ohm-m) 500	
			50	SN (Ohm-m) 500	

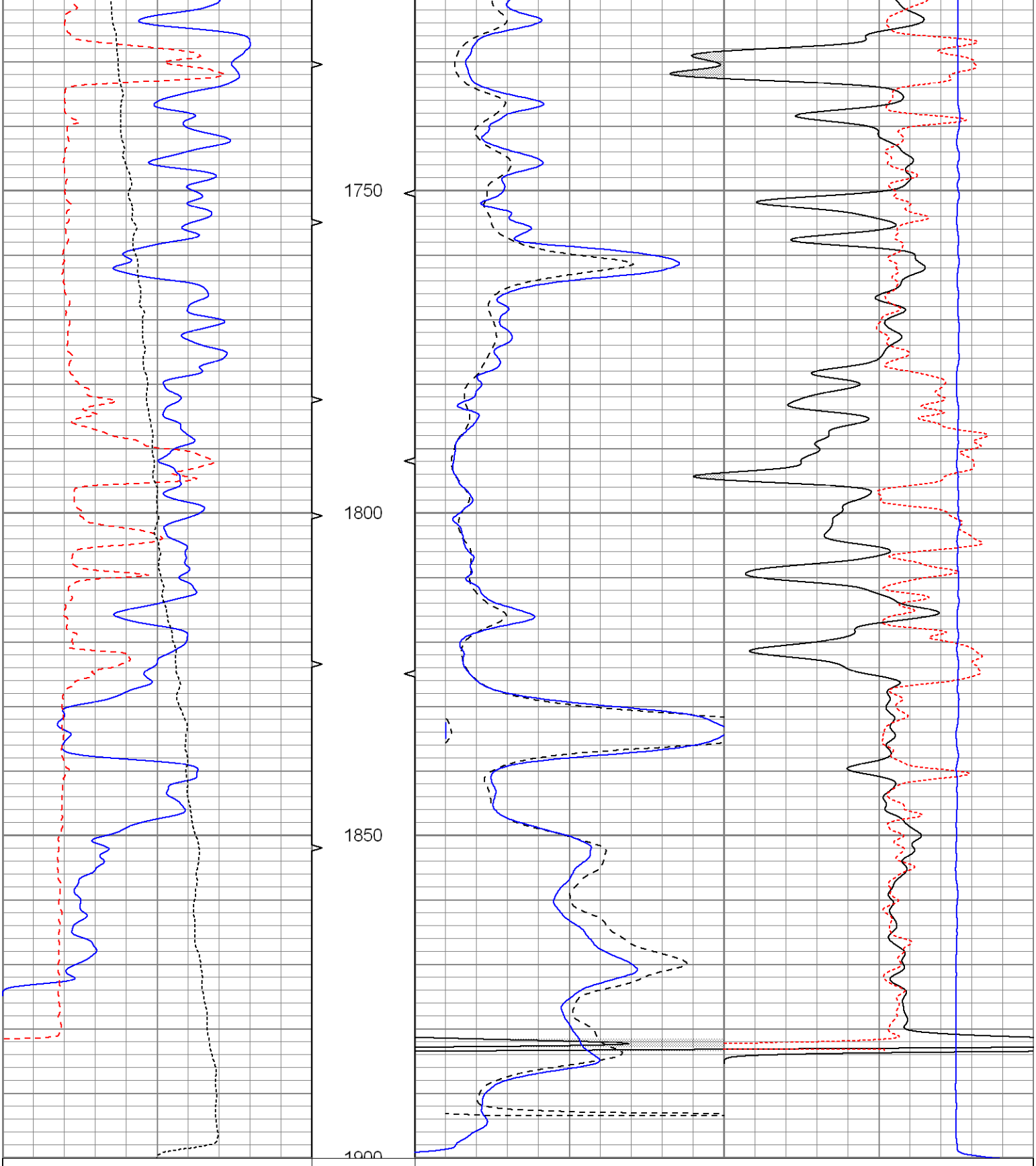
Patterson

Repeat Section

Database File:	c:\warrior\data\el paso\elpasovprc122.db
Dataset Pathname:	pass1.1
Presentation Format:	combosil
Dataset Creation:	Wed Apr 26 21:09:48 2006 by Calc Warrior 7.0 STD Ope
Charted by:	Depth in Feet scaled 1:240

0	GR (GAPI) 200	TBHV (ft3)	1	RHOB (g/cc)	3
6	DCAL (in) 16	0 10	0	DIR (Ohm-m) 50	-0.5 RHOC (g/cc) 0.5
-100	SP (mV) 100	ABHV (ft3)	0	SN (Ohm-m) 50	5000 LTEN (lb) 0
		10 0	50	DIR (Ohm-m) 500	
			50	SN (Ohm-m) 500	





0	GR (GAPI)	200	TBHV (ft3)	1	RHOB (g/cc)	3		
6	DCAL (in)	16	0 10	0	DIR (Ohm-m)	50	-0.5 RHOC (g/cc)	0.5
-100	SP (mV)	100		0	SN (Ohm-m)	50	5000 LTEN (lb)	0
			ABHV (ft3)	50	DIR (Ohm-m)	500		
			10 0	50	SN (Ohm-m)	500		

Induction Tool Calibration Report

Serial Number:	120
Tool Model:	G
Downhole Cal Performed:	Wed Apr 26 19:36:20 2006
Surface Cal Performed:	Tue Apr 11 13:29:44 2006
After Survey Verification Performed:	

Surface Calibration:	Air	Loop	
Conductivity Reference:	0.000	450.000	mmho
Conductivity Reading:	-0.020	0.634	V
Internal Reference:	Zero	Cal	
Conductivity Reference:	0.000	500.000	mmho
Conductivity Reading:	0.004	0.638	V

Downhole Calibration:	Internal Zero	Internal Cal	
Conductivity Reference:	0.000	452.878	mmho
Conductivity Reading:	16.389	443.950	V
Short Normal Reference:	0.000	17.000	Ohm-m
Short Normal Reading:	0.002	0.197	V

Results:	Gain	Offset
Loop Conductivity:	687.826	13.757
Downhole Correction:	1.059	-17.359
Short Normal Resistivity:	78.000	-2.000

After Survey Verification	Internal Zero	Internal Cal	
Conductivity Reading:	0.000	0.000	V
Conductivity Result:	0.000	0.000	mmho
Short Normal Reading:	0.000	0.000	V
Short Normal Result:	0.000	0.000	Ohm-m

Temperature Calibration Report

Serial Number:	2099T
Tool Model:	CDLP
Performed:	Tue Apr 11 13:49:12 2006

	Reference	Reading
Low Reference:	55.00 degF	3.17 V
High Reference:	160.00 degF	5.35 V

Gain:	48.17
Offset:	-97.68
Delta Spacing	1

Compensated Density Calibration Report

Serial-Model:	2099-NG
Source / Verifier:	csv-n20 / blocks
Master Calibration Performed:	Tue Apr 11 12:48:07 2006
Before Survey Verification Performed:	
After Survey Verification Performed:	

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1018.56	454.13	cps
Aluminum	2.590	g/cc	228.88	312.57	cps

Spine Angle = 75.95 Density/Spine Ratio = 0.572

	Size		Reading	
Small Ring	8.00	in	2.00	V
Large Ring	14.00	in	3.14	V

Before Survey Verification

Before Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

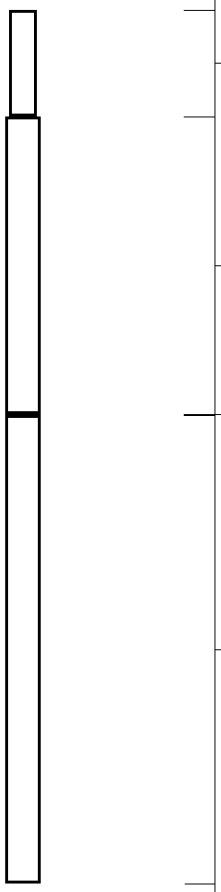
After Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Tue Apr 11 11:19:22 2006	
Calibrator Value:	200.0	GAPI
Background Reading:	54.0	cps
Calibrator Reading:	219.0	cps
Sensitivity:	0.2700	GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	26.95		GR-P2000 (2000)	3.50	3.25	40.00
			CDL-NG (2099)	9.69	4.00	201.00
LSD	18.47					
DCAL	18.18					
SSD	17.93					
TEMP	16.33		TEMP-CDLP (2099T)	0.01	4.00	1.00
			IEL-G (120)	15.25	4.00	178.00
DIC	6.89					
SP	1.50					
SN	1.00					



Dataset:	/field/well/run/_plots_/_jobs_/cdlsil
Total Length:	28.45 ft
Total Weight:	420.00 lb
O.D.	4.00 in