

Patterson

**COMPENSATED DENSITY
SINGLE INDUCTION
LOG**

Company		El Paso E & P Company, L.P.	
Well		VPR "C"-122	
Field		Purgatorie River	
County		Las Animas	
State		Colorado	
Location:		API # :	
Permanent Datum		Ground Level	
Log Measured From		Ground Level	
Drilling Measured From		Ground Level	
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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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 interpretation, and we shall not, except in the case of gross or willful 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 set out in our current Price Schedule.

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"

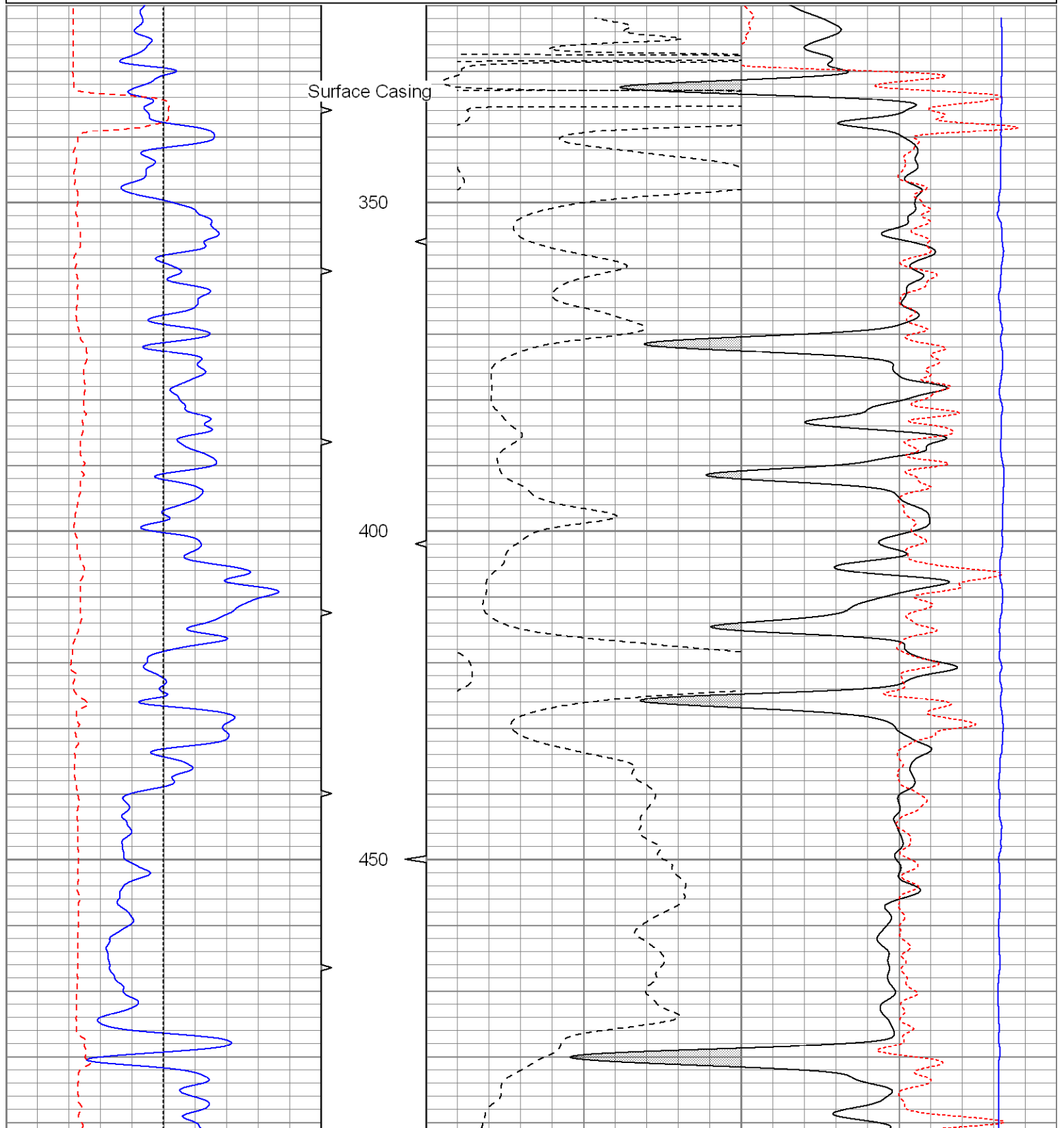
-Drive Past A-131-Follow Road to Location.

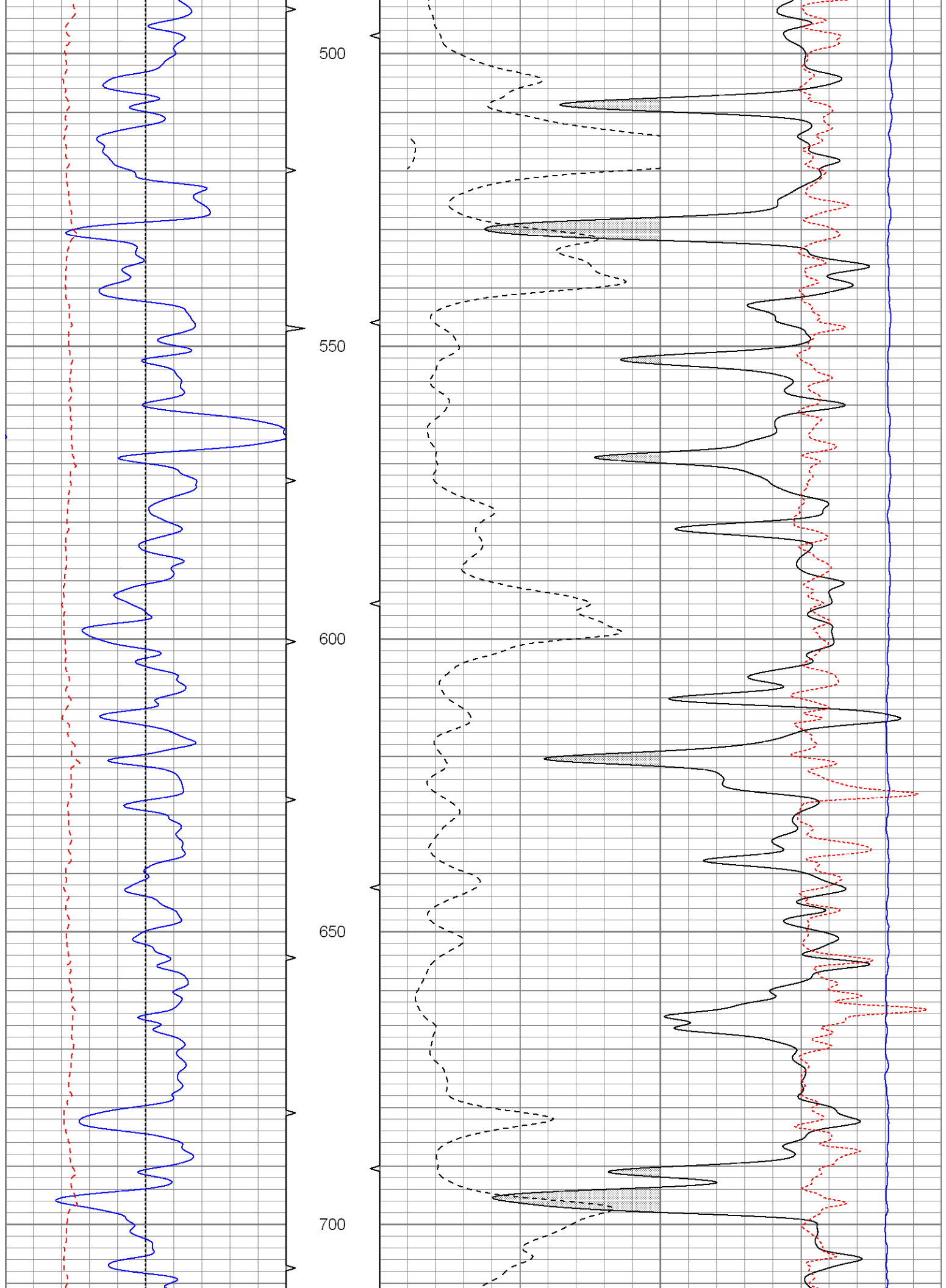
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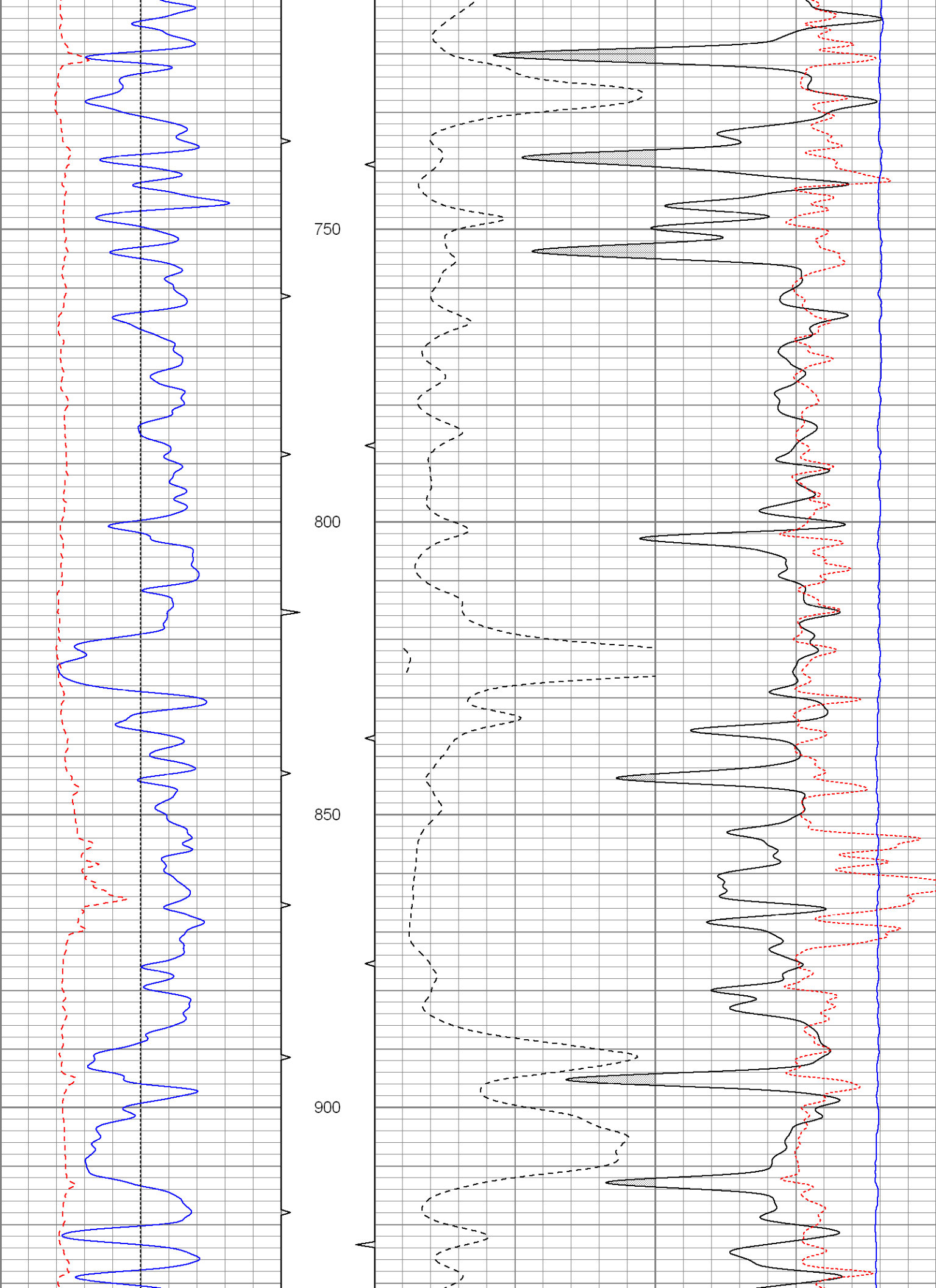
Main Pass

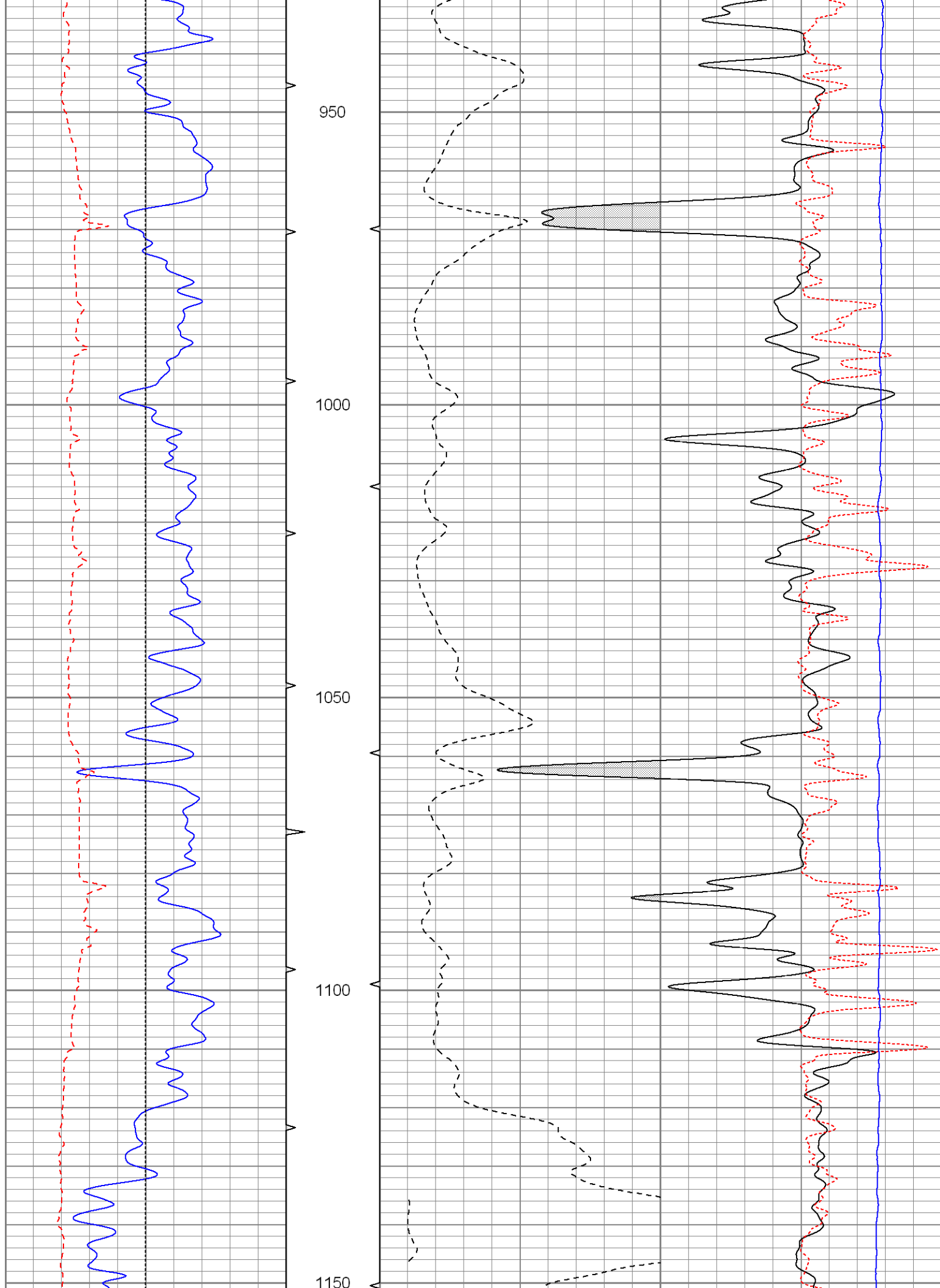
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 Dataset Pathname: pass2.2
 Presentation Format: combosil
 Dataset Creation: Wed Apr 26 21:06:45 2006 by Calc Warrior 7.0 STD Ope
 Charted by: Depth in Feet scaled 1:240

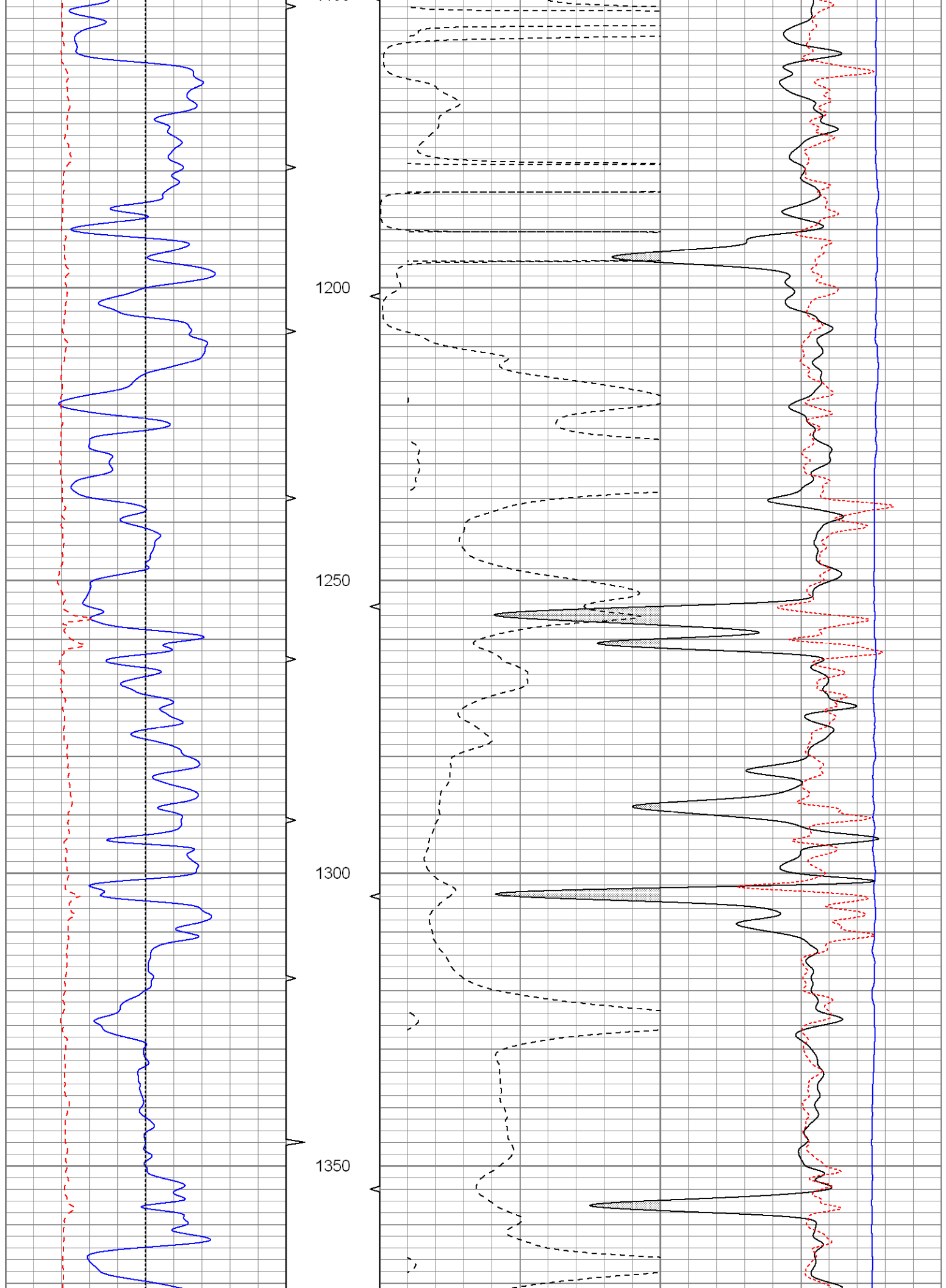
0	GR (GAPI)	200	TBHV (ft3)	1	RHOB (g/cc)				3		
6	DCAL (in)	16		0	DIR (Ohm-m)	50	-0.5	RHOC (g/cc)	0.5		
-100	SP (mV)	100	0	10	0	SN (Ohm-m)	50	5000	LTEN (lb)	0	
			ABHV (ft3)		50	DIR (Ohm-m)	500				
					50	SN (Ohm-m)	500				
			10	0							

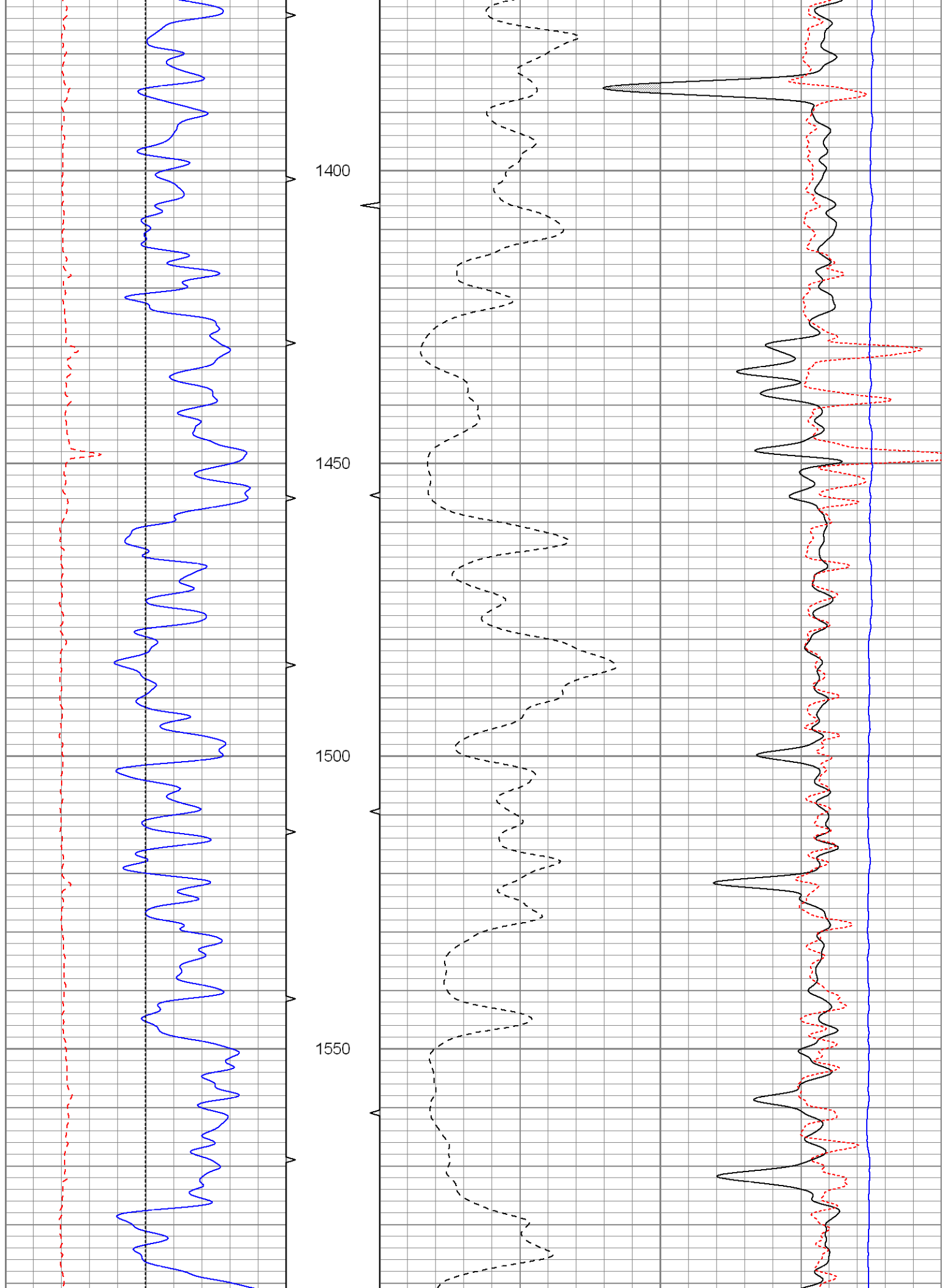


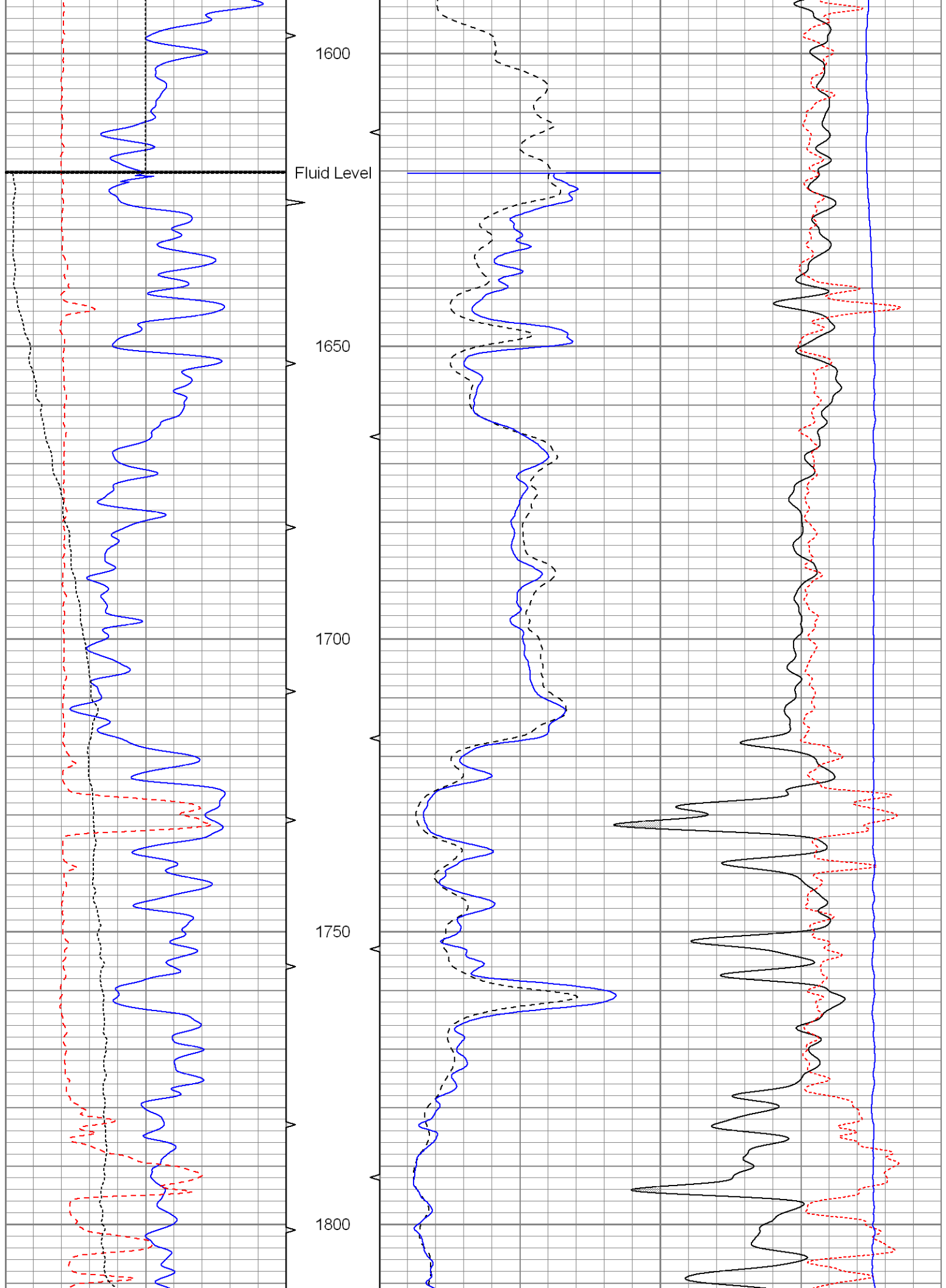


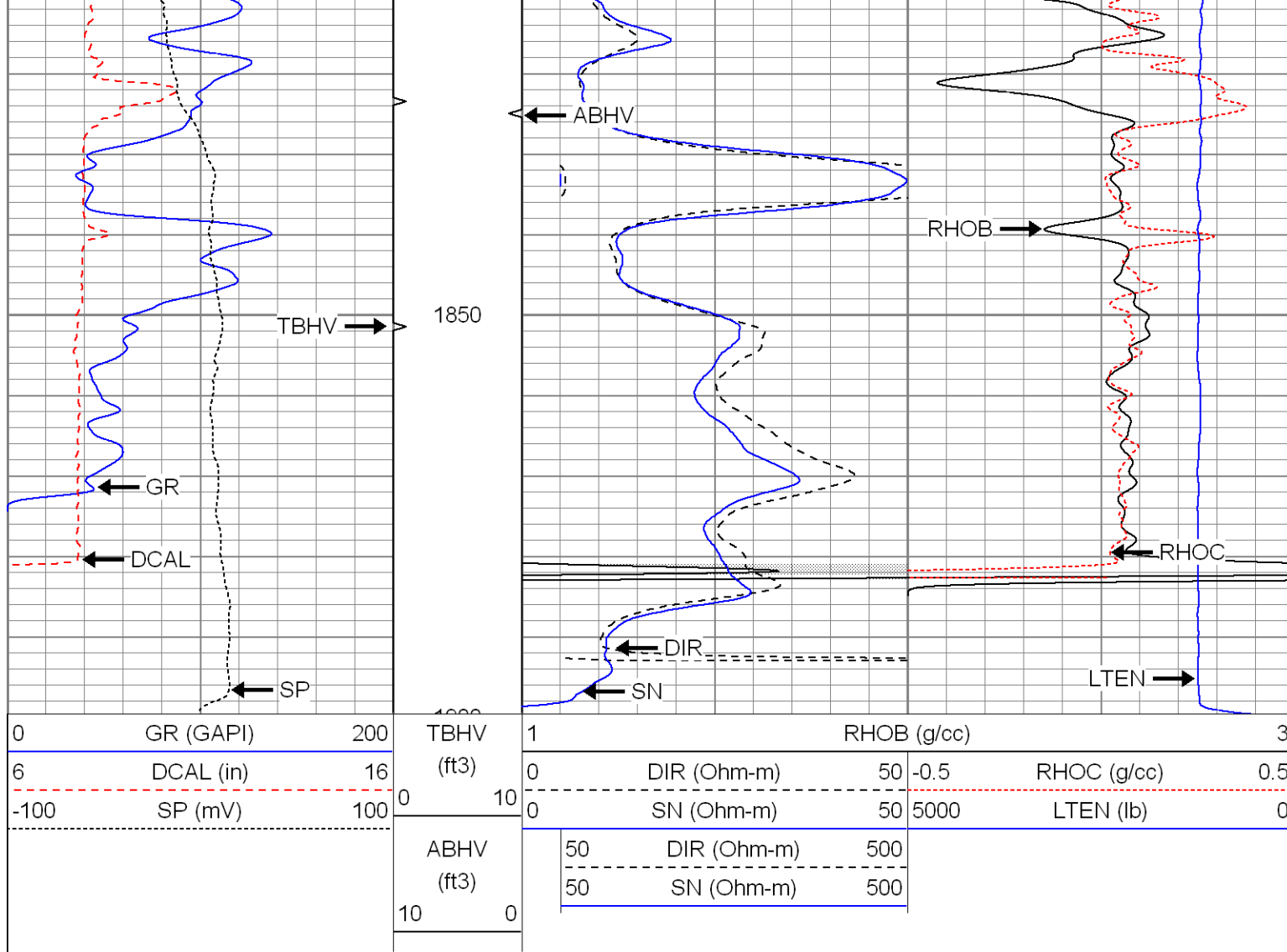










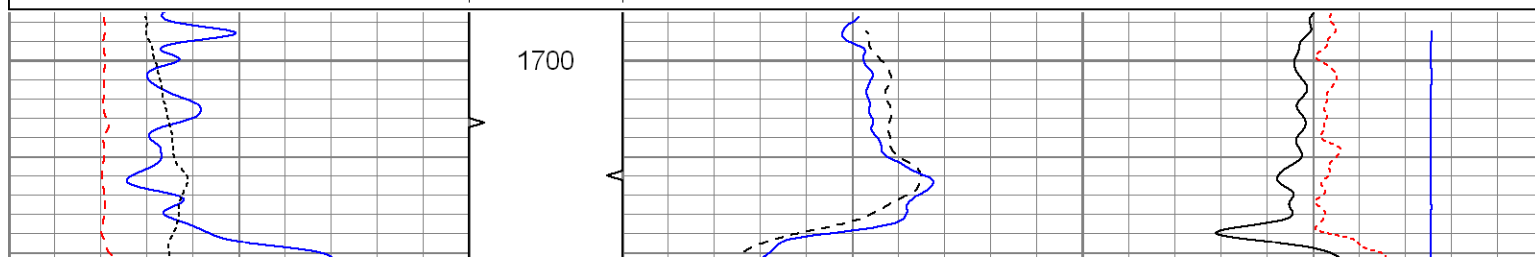


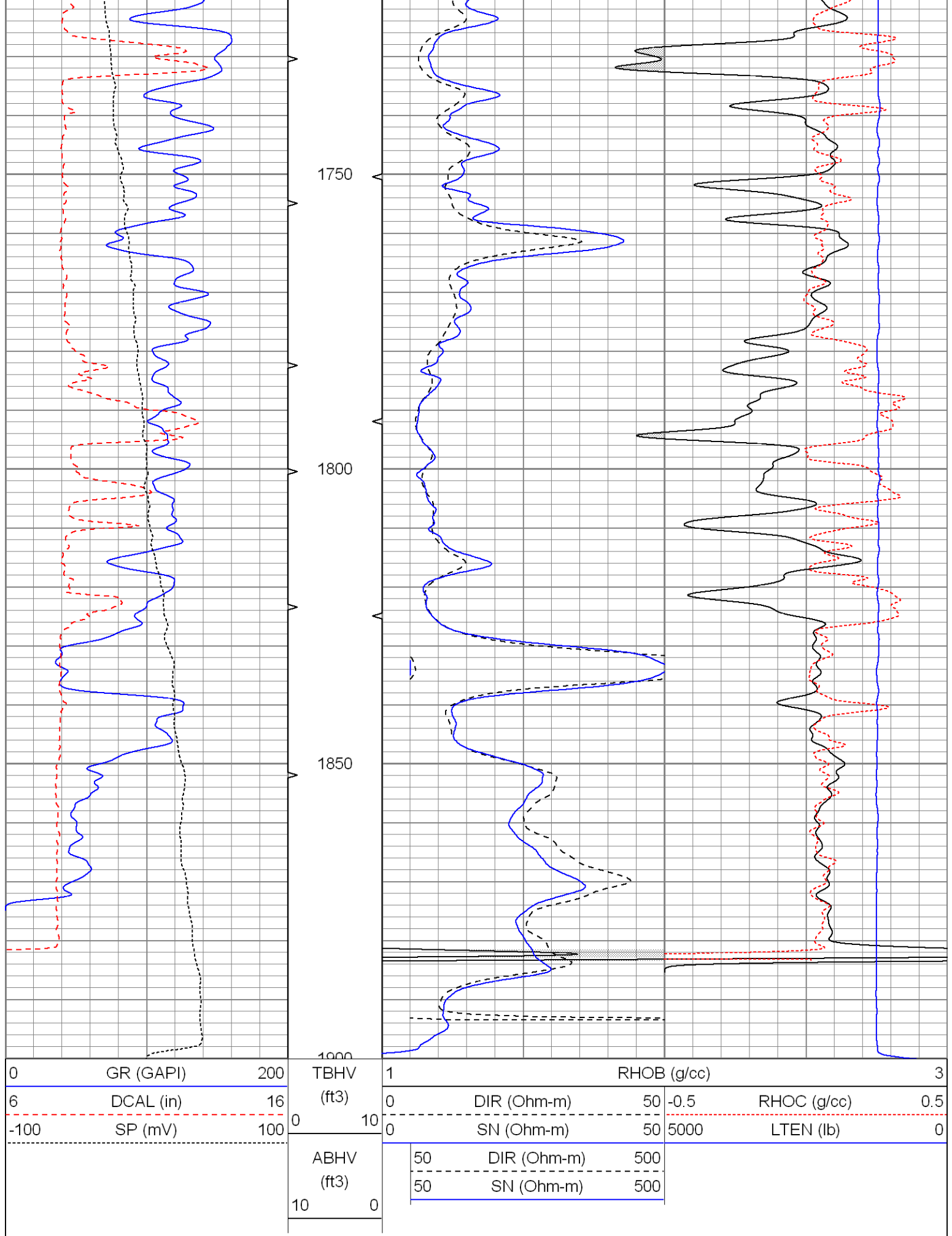
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Repeat Section

Database File: c:\warrior\data\elpaso\elpasovprc122.db
 Dataset Pathname: pass1.1
 Presentation Format: composil
 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	1	RHOB (g/cc)		3
6	DCAL (in)	16	(ft3)	0	DIR (Ohm-m)	50	-0.5
-100	SP (mV)	100	0	10	0	SN (Ohm-m)	50
						5000	5000
			ABHV	50	DIR (Ohm-m)	500	
			(ft3)	50	SN (Ohm-m)	500	
			10	0			





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				

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
DIC	6.89		IEL-G (120)	15.25	4.00	178.00
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			