BWWC

Black Warrior Wireline Corporation

CEMENTBOND LOG
GR CCL VDL

Company	PETRO HUNTER ENERGY CORPORATION
Well	HAROLD ANDERSON 4-21
Field	POWELL PARK
County	RIO BLANCO
State	CO

Company PETRO HUNTER ENERGY CORPORATION

Well HAROLD ANDERSON 4-21

Field POWELL PARK

County RIO BLANCO State CO

Location: API #: 05-103-10941

NW NW

863'FNL 755 FWL

SEC 21 TWP 1N RGE 95W

Other Services

Permanent Datum	GROUND LEVAL	Elevation 6355'	Elevation
Log Measured From	KB		K.B. 6377'
Drilling Measured From	KB		D.F. 6376' G.L. 6355'

Date	23JAN2009
Run Number	1
Depth Driller	10747'
Depth Logger	10280'
Bottom Logged Interval	10276'
Top Log Interval	2600'
Open Hole Size	7.875"
Type Fluid	H20
Density / Viscosity	
Max. Recorded Temp.	243
Estimated Cement Top	8650'
Time Well Ready	13:00
Time Logger on Bottom	14:45
Equipment Number	6944
Location	GRANDJUNCTION
Recorded By	JARCHULETTA
Witnessed By	RANDYKISSEL

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13.375"	61#	SURFACE	549'
Prot. String	9.625"	40#	SURFACE	3141'
Production String	4.5	11.6#	SURFACE	10755'
Liner				

<<< Fold Here >>>

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

THANK YOU FOR CHOOSING WARIOR ENERGY INC
YOUR CREW TODAY WAS
JESSIE ARCHULETTA
MARK FUKUZAWA
JASON DAVIS
SHORT JOINTS
7416-7436
9389.5-9410

BWWC MAINPASS 1500PSI4650-2601

Black Warrior Wireline Corporation

Database File: haroldanderson4-21.db
Dataset Pathname: pass8
Presentation Format: 2scbtvdl
Dataset Creation: Mon Jan 26 19:00:16 2009 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

350	Travel Time (usec)	250	0	AMPX5 (mV)	20	200	VDL	1200
9	Collar Locator	-1	0	Amplitude (mV)	100			
0	Gamma Ray (GAPI)	200	50	TEMP (degF)	250			

TEMP (degF)

350	Travel Time (usec)	250	0	AMPX5 (mV)	20	200	VDL	1200
9	Collar Locator	-1	0	Amplitude (mV)	100			
0	Gamma Ray (GAPI)	200	50	TEMP (degF)	250			

TEMP (degF)

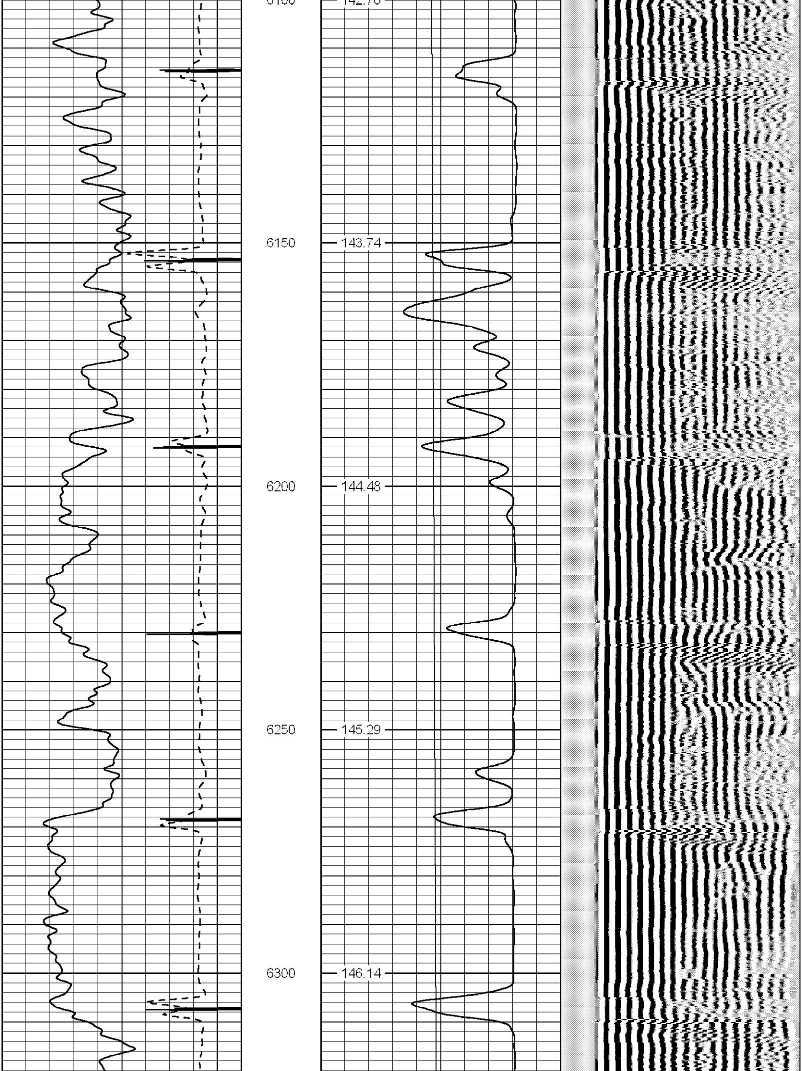
BWWC MAIN PASS 1500 PSI

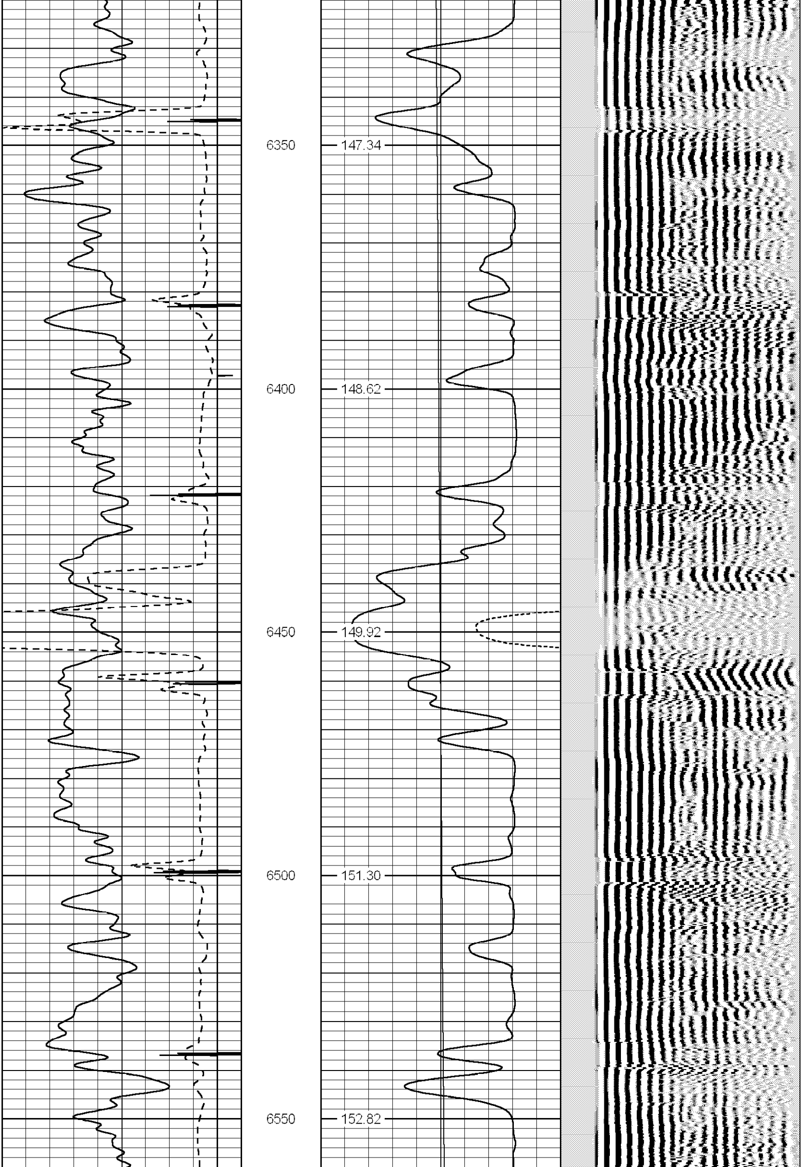
Black Warrior Wireline Corporation

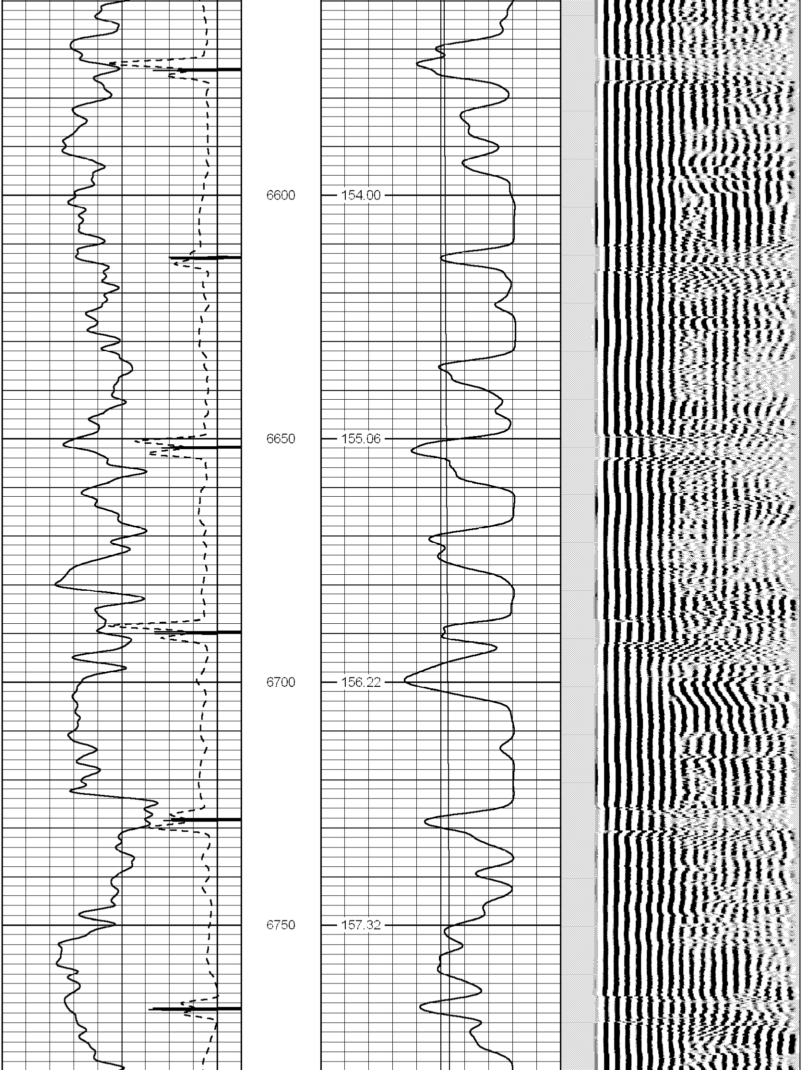
Database File: haroldanderson4-21.db
Dataset Pathname: pass5
Presentation Format: 2scbtvdl
Dataset Creation: Mon Jan 26 14:39:53 2009 by Log Std Casedhole 07122
Charted by: Depth in Feet scaled 1:240

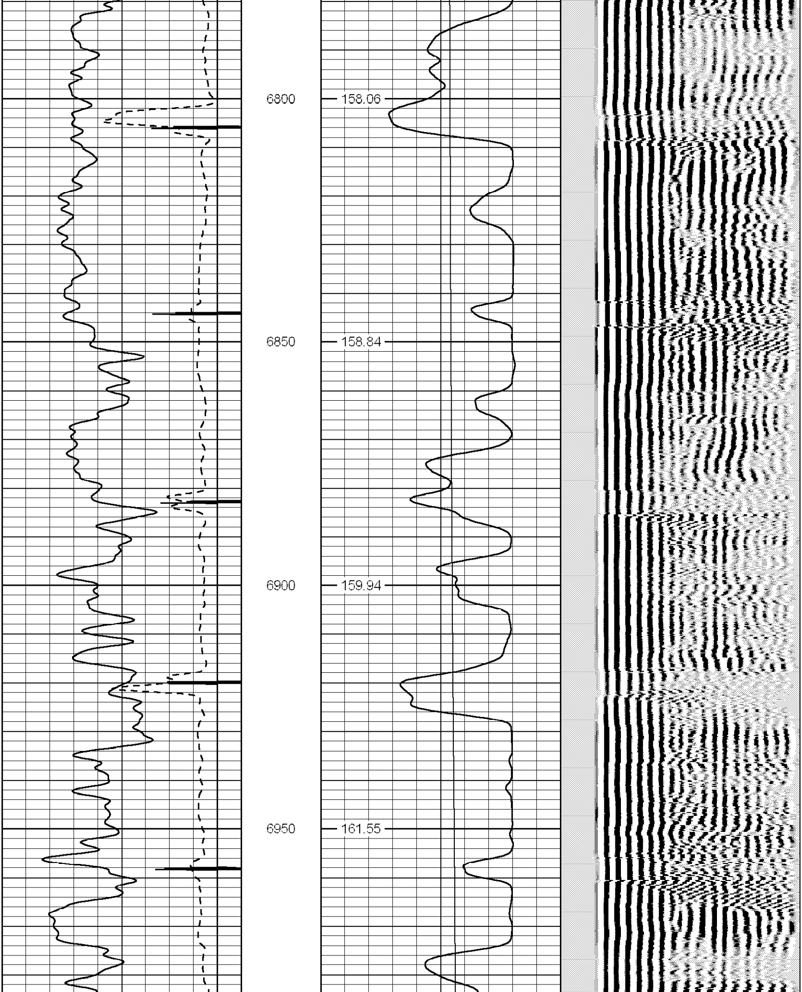
350	Travel Time (usec)	250	0	AMPX5 (mV)	20	200	VDL	1200
9	Collar Locator	-1	0	Amplitude (mV)	100			
0	Gamma Ray (GAPI)	200	50	TEMP (degF)	250			

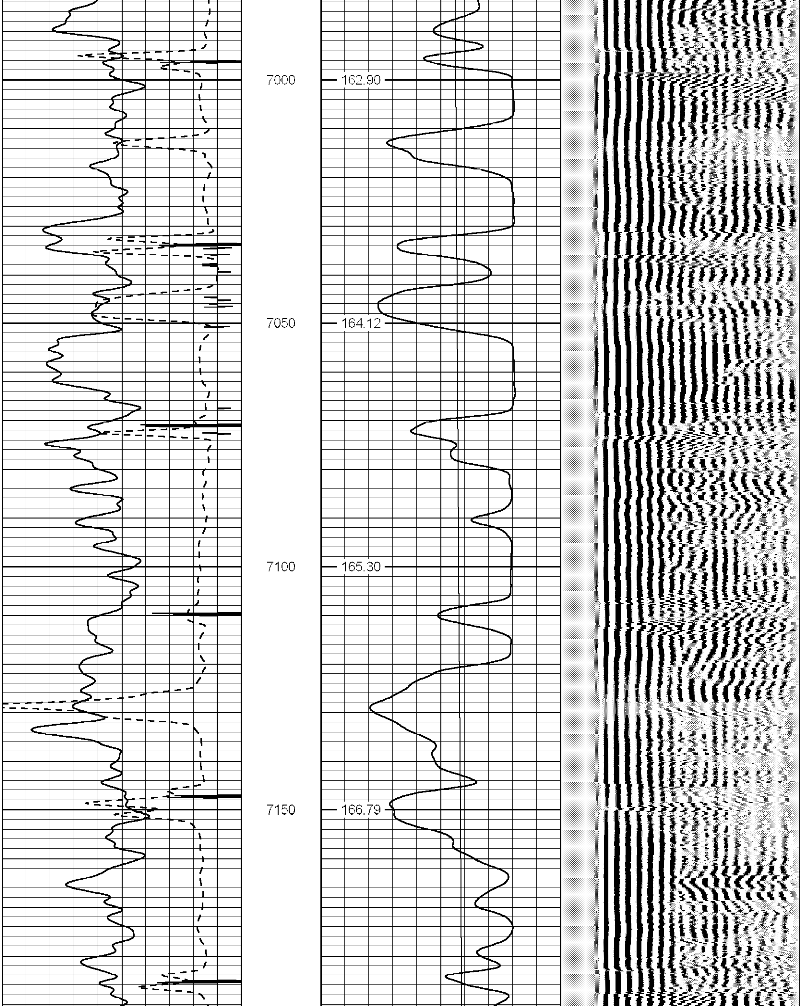
TEMP (degF)

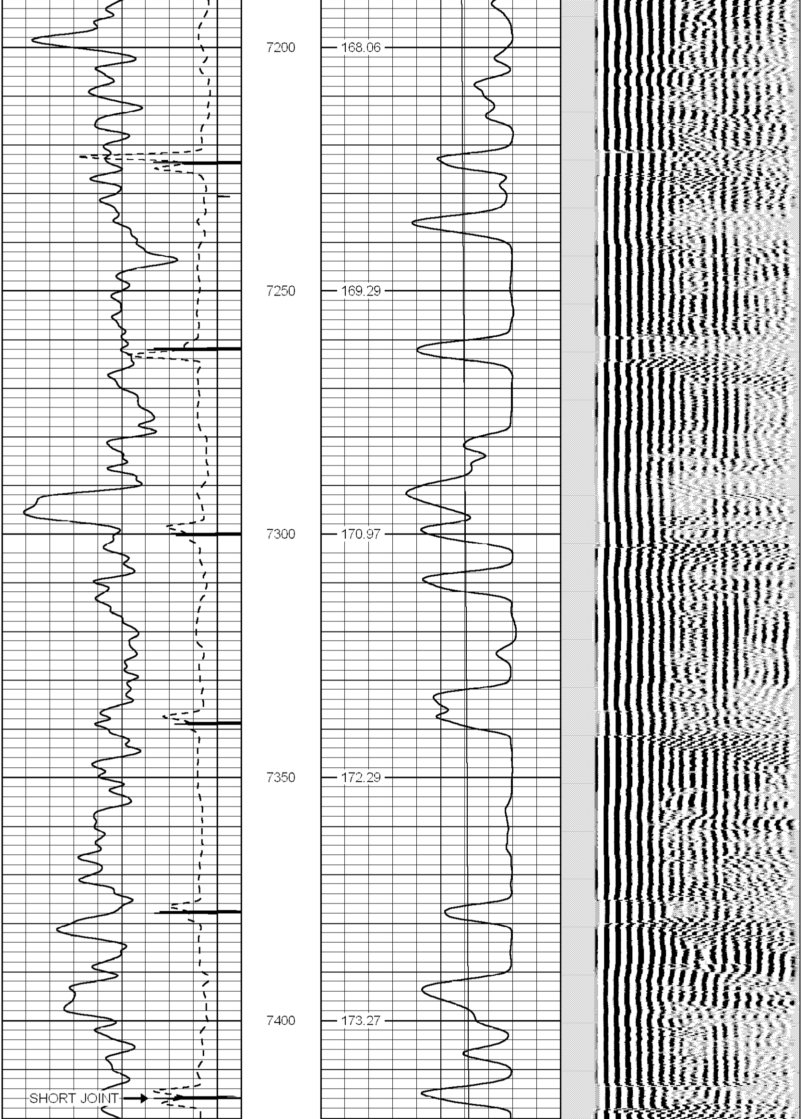

6100
142.70
6150
143.74
6200
144.48
6250
145.29
6300
146.14

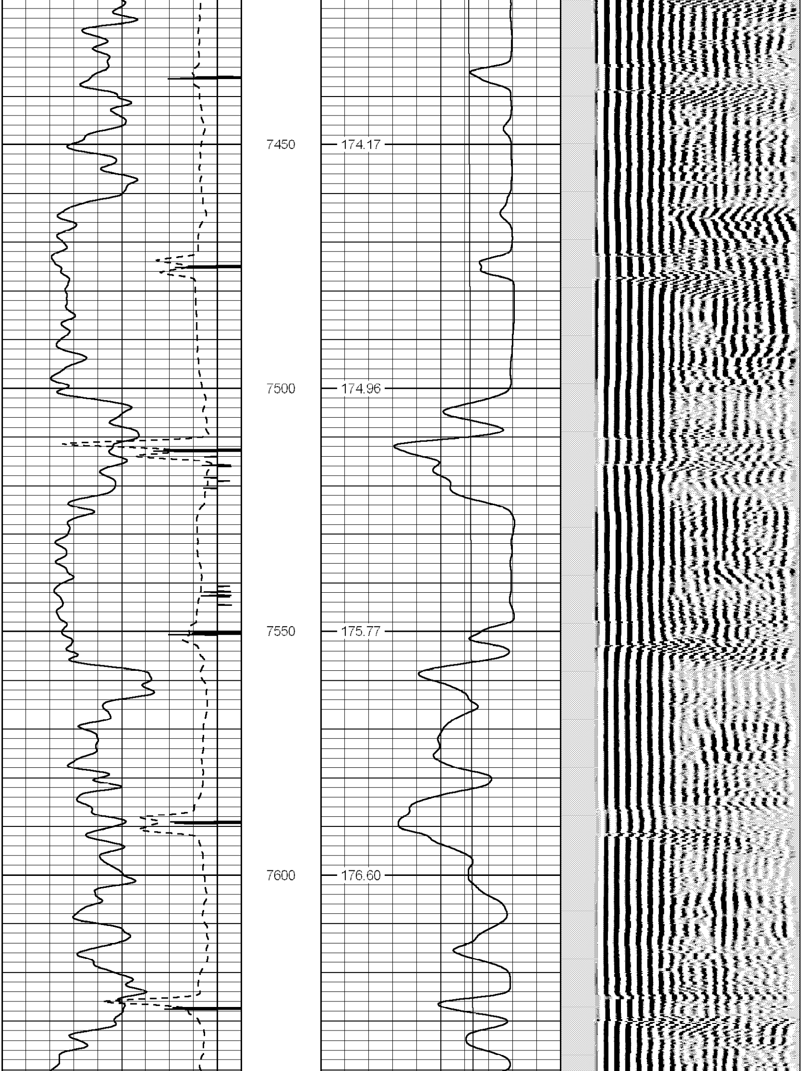

6350
147.34
6400
148.62
6450
149.92
6500
151.30
6550
152.82

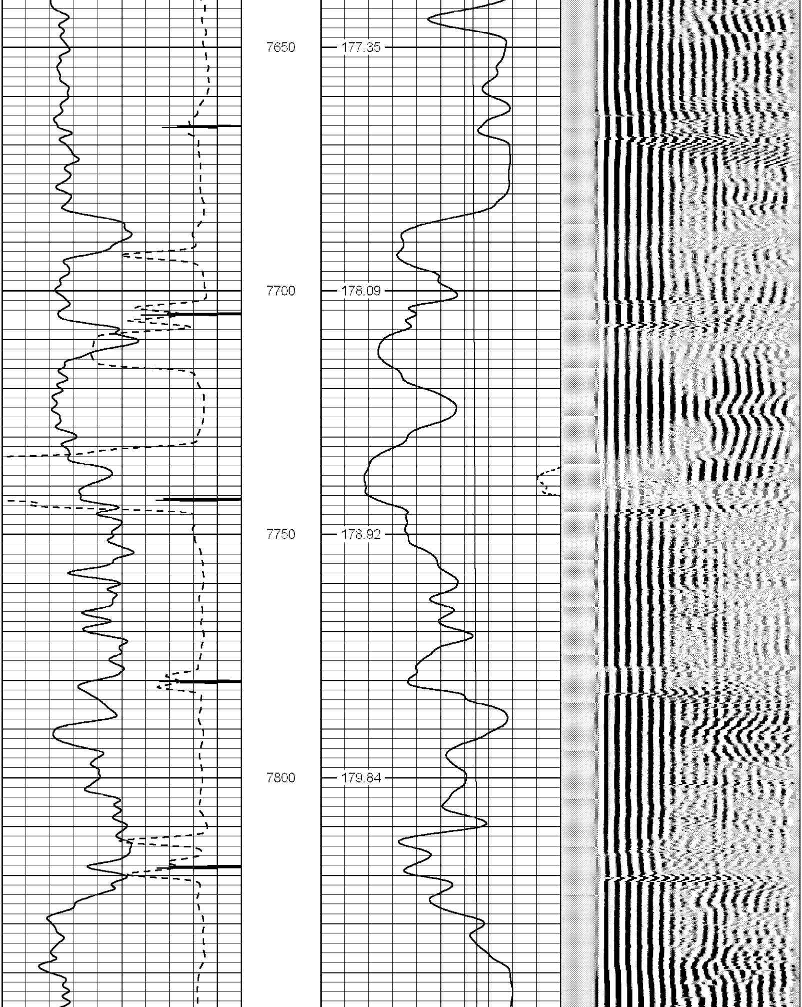

6600
154.00
6650
155.06
6700
156.22
6750
157.32

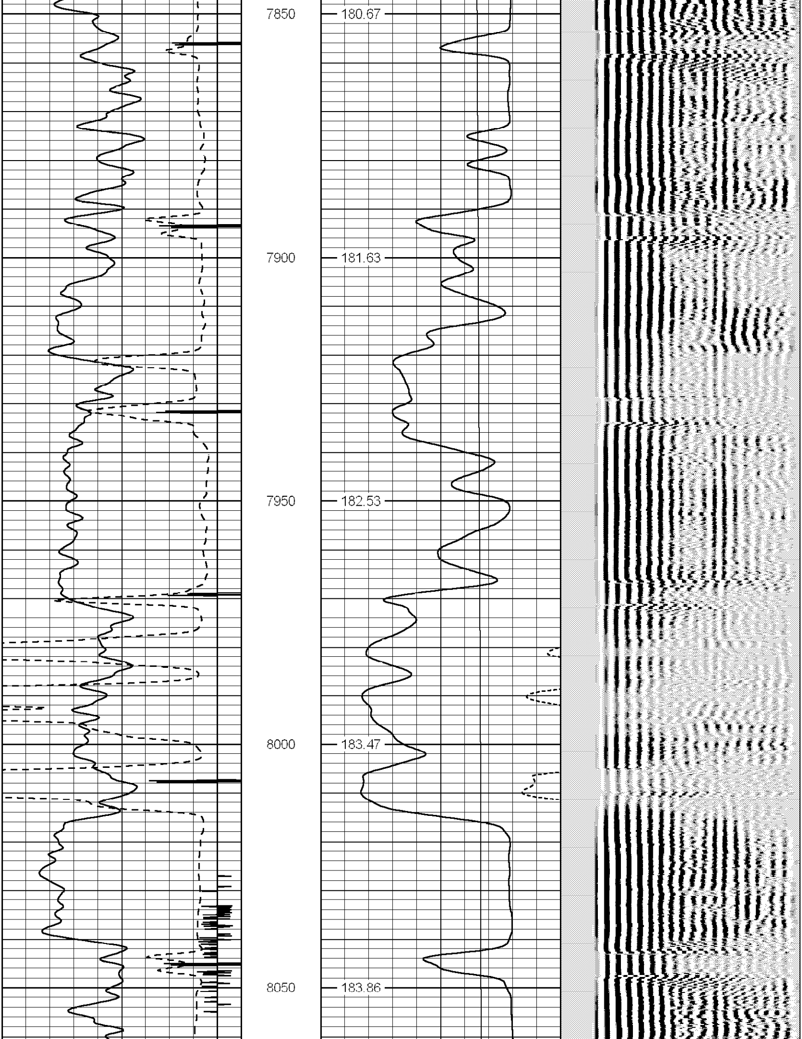

6800
158.06
6850
158.84
6900
159.94
6950
161.55

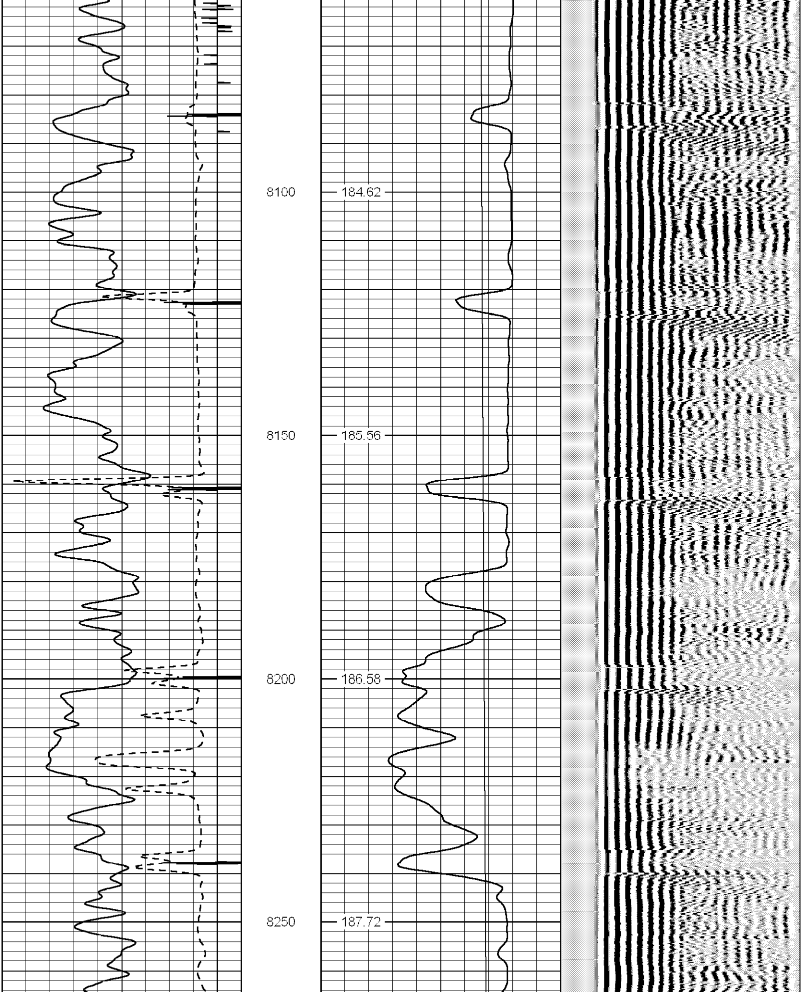

7000
162.90
7050
164.12
7100
165.30
7150
166.79

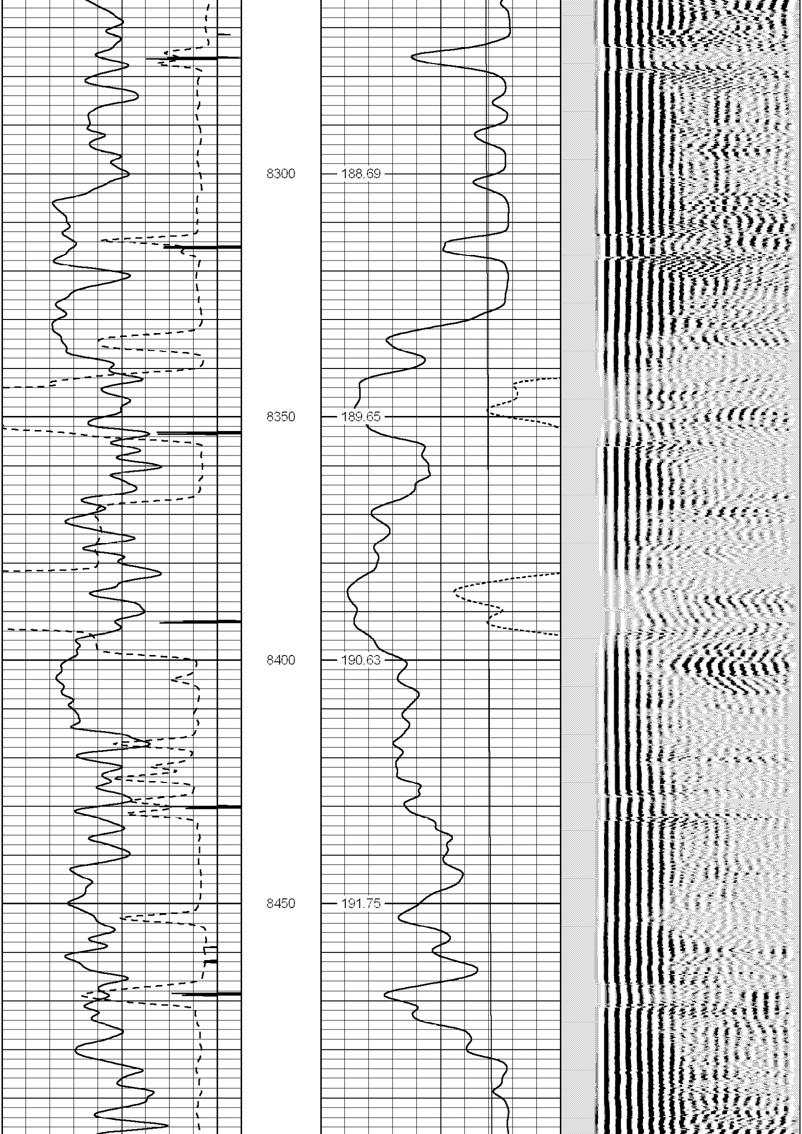

7200
168.06
7250
169.29
7300
170.97
7350
172.29
7400
173.27
SHORT JOINT

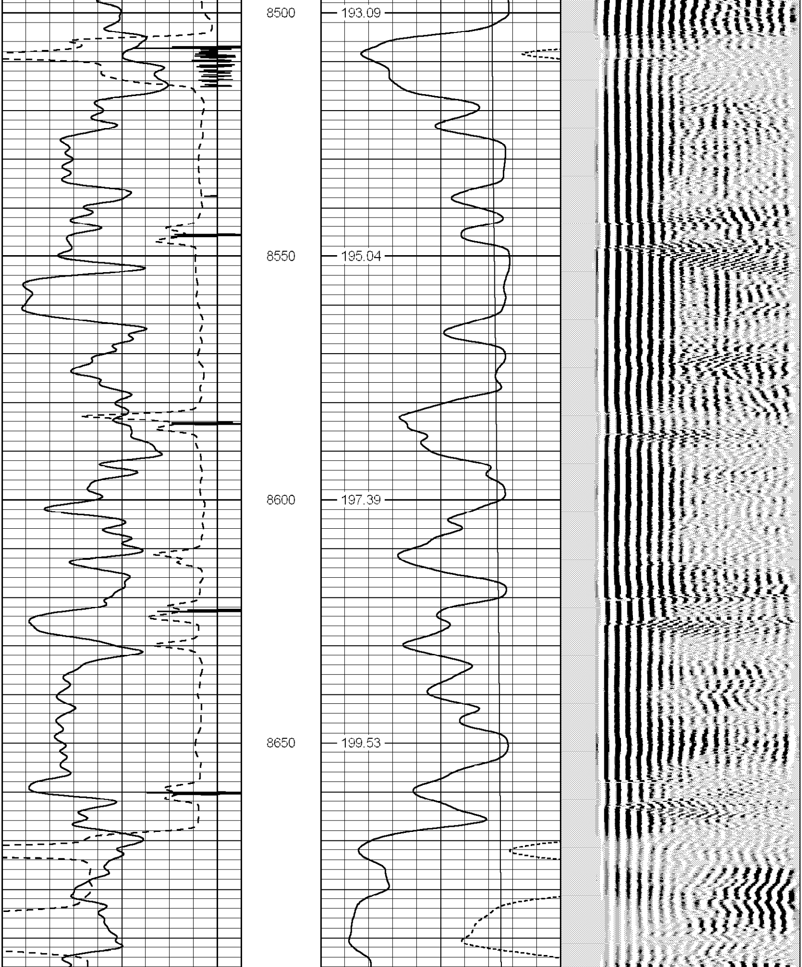

7450
174.17
7500
174.96
7550
175.77
7600
176.60

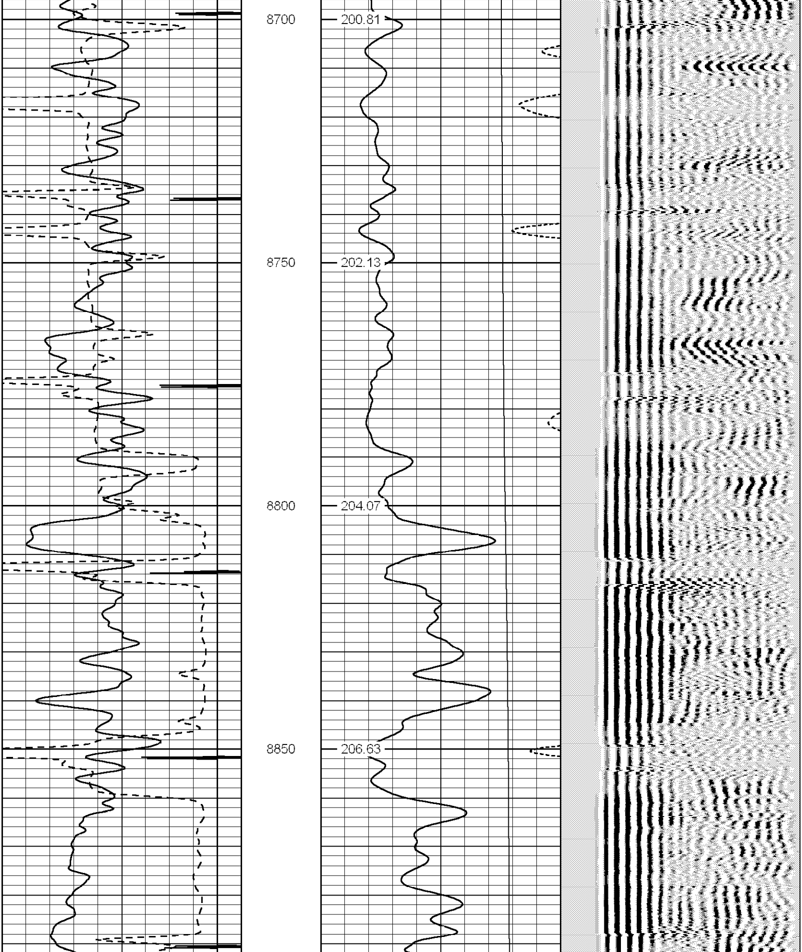

7650
177.35
7700
178.09
7750
178.92
7800
179.84

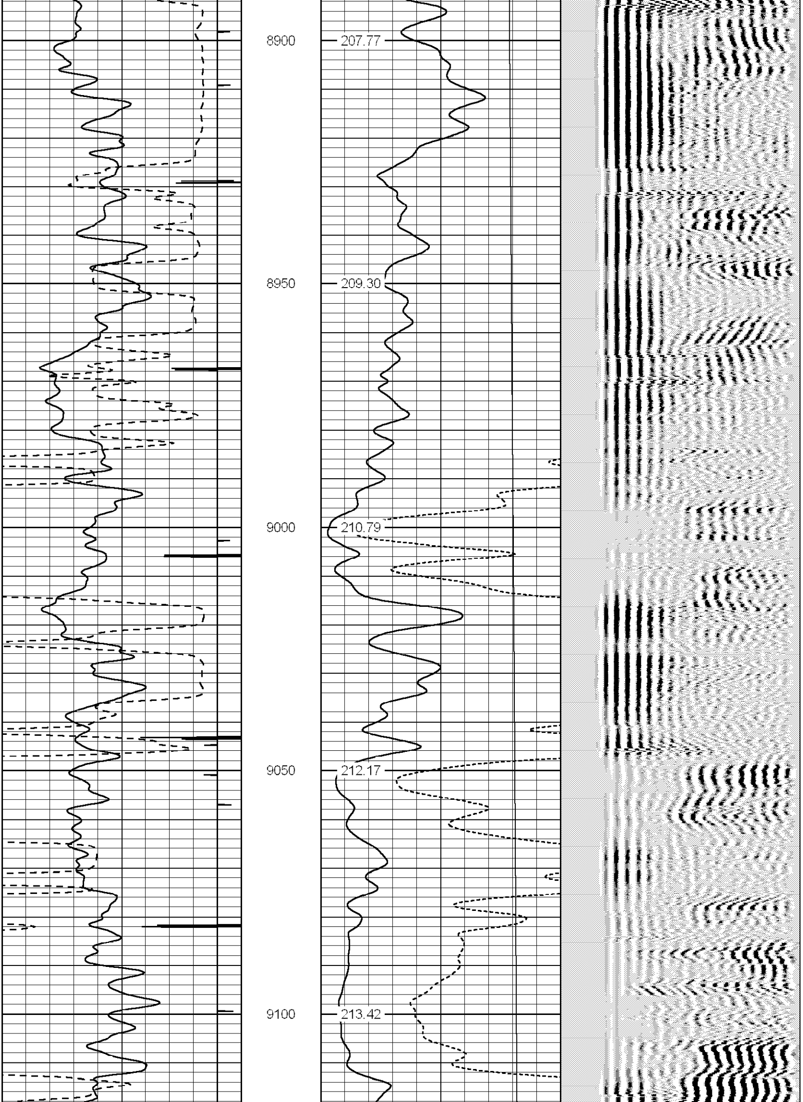

7850
180.67
7900
181.63
7950
182.53
8000
183.47
8050
183.86

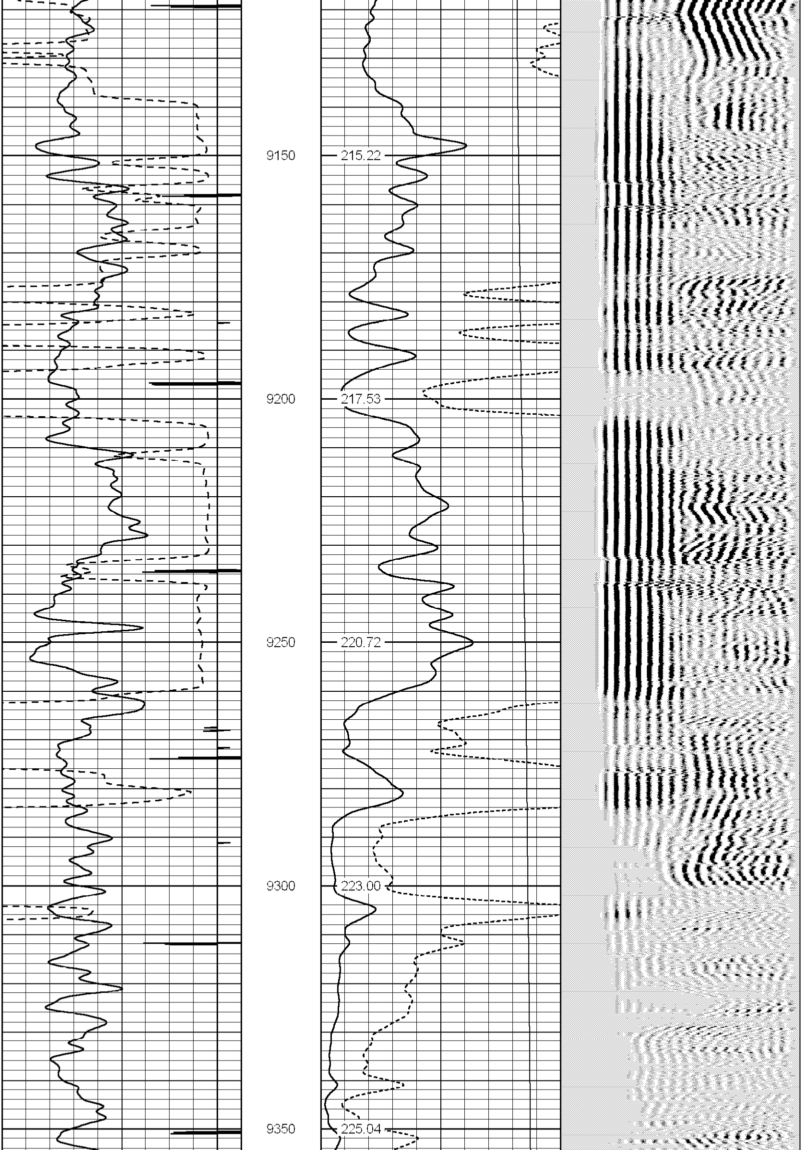

8100
184.62
8150
185.56
8200
186.58
8250
187.72

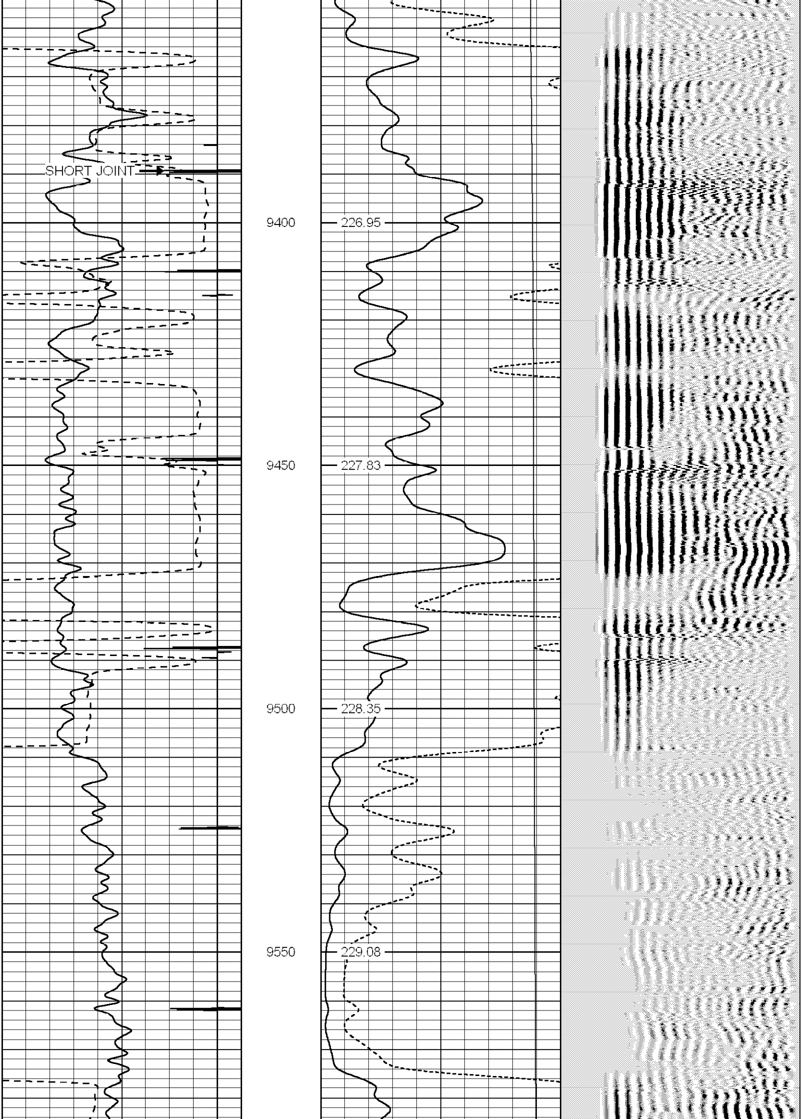

8300
188.69
8350
189.65
8400
190.63
8450
191.75

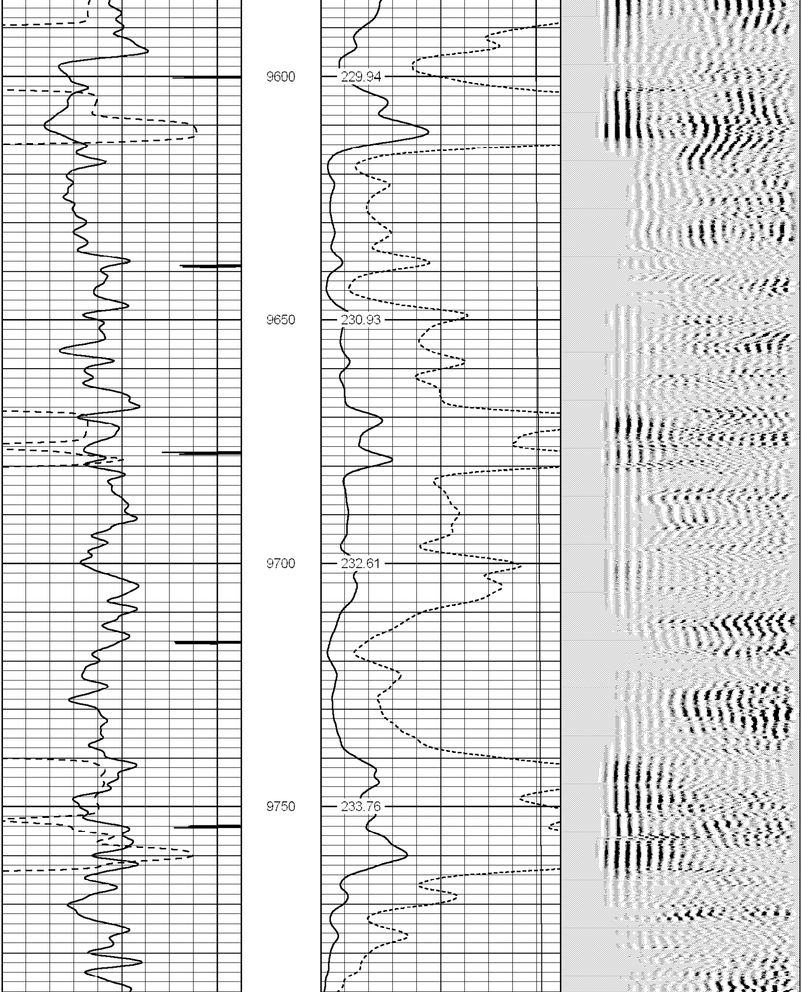

8500
193.09
8550
195.04
8600
197.39
8650
199.53

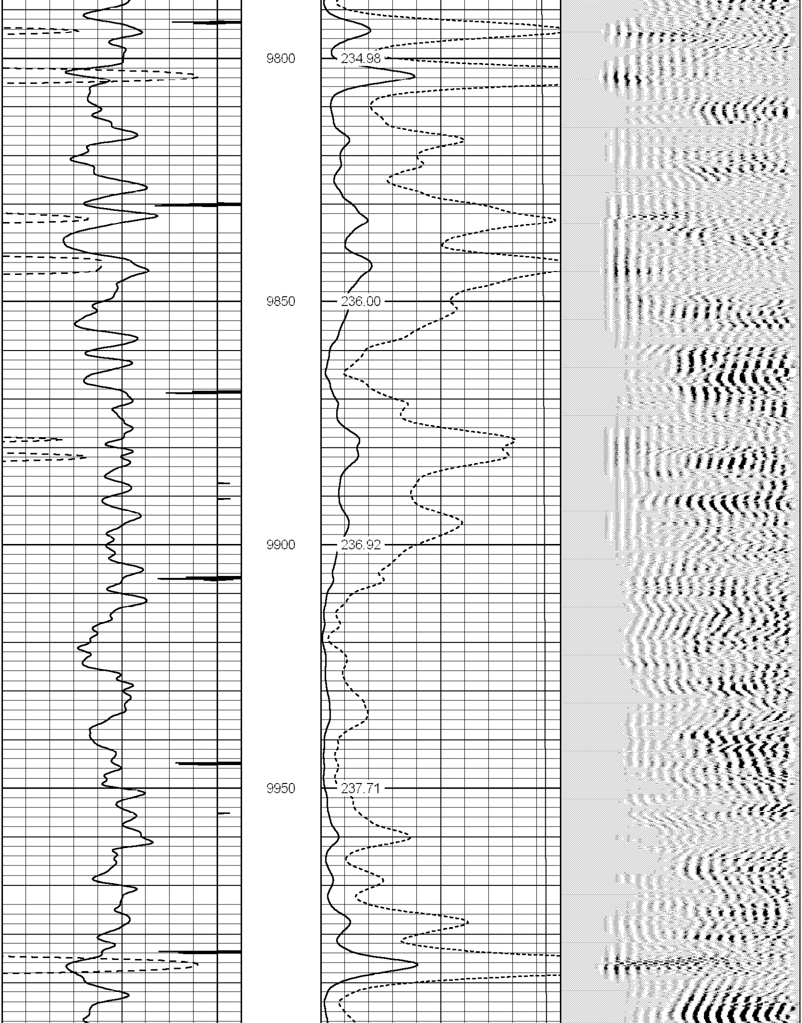

8700
200.81
8750
202.13
8800
204.07
8850
206.63

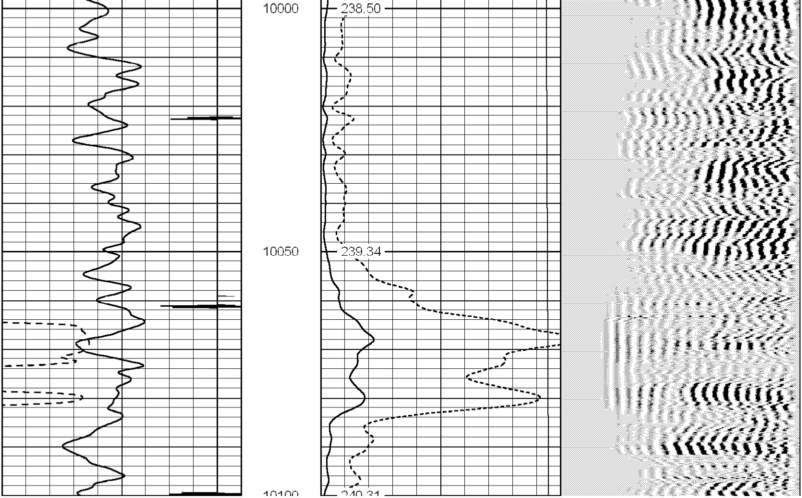

8900
207.77
8950
209.30
9000
210.79
9050
212.17
9100
213.42

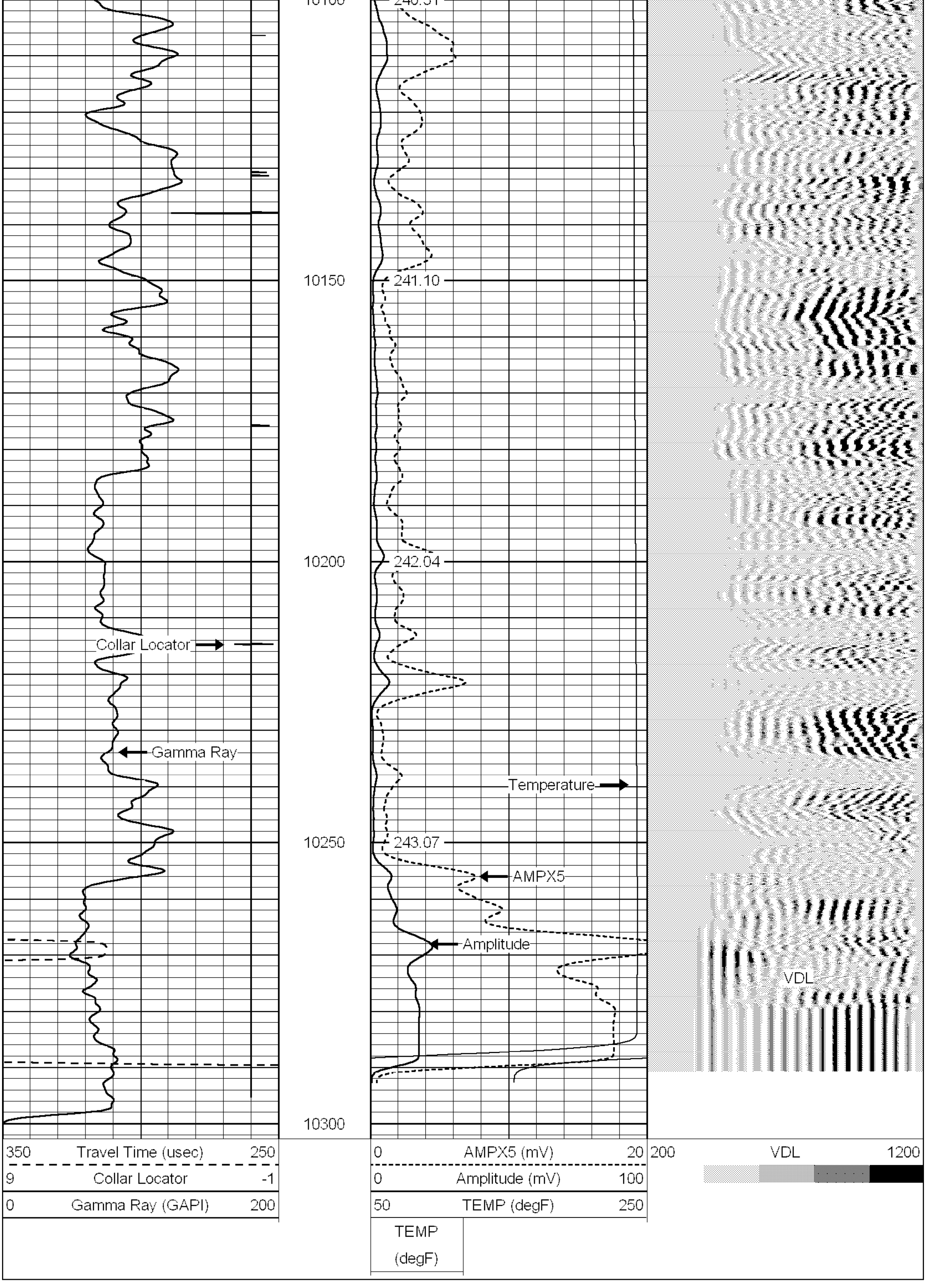

9150
215.22
9200
217.53
9250
220.72
9300
223.00
9350
225.04


SHORT JOINT
9400
226.95
9450
227.83
9500
228.35
9550
229.08

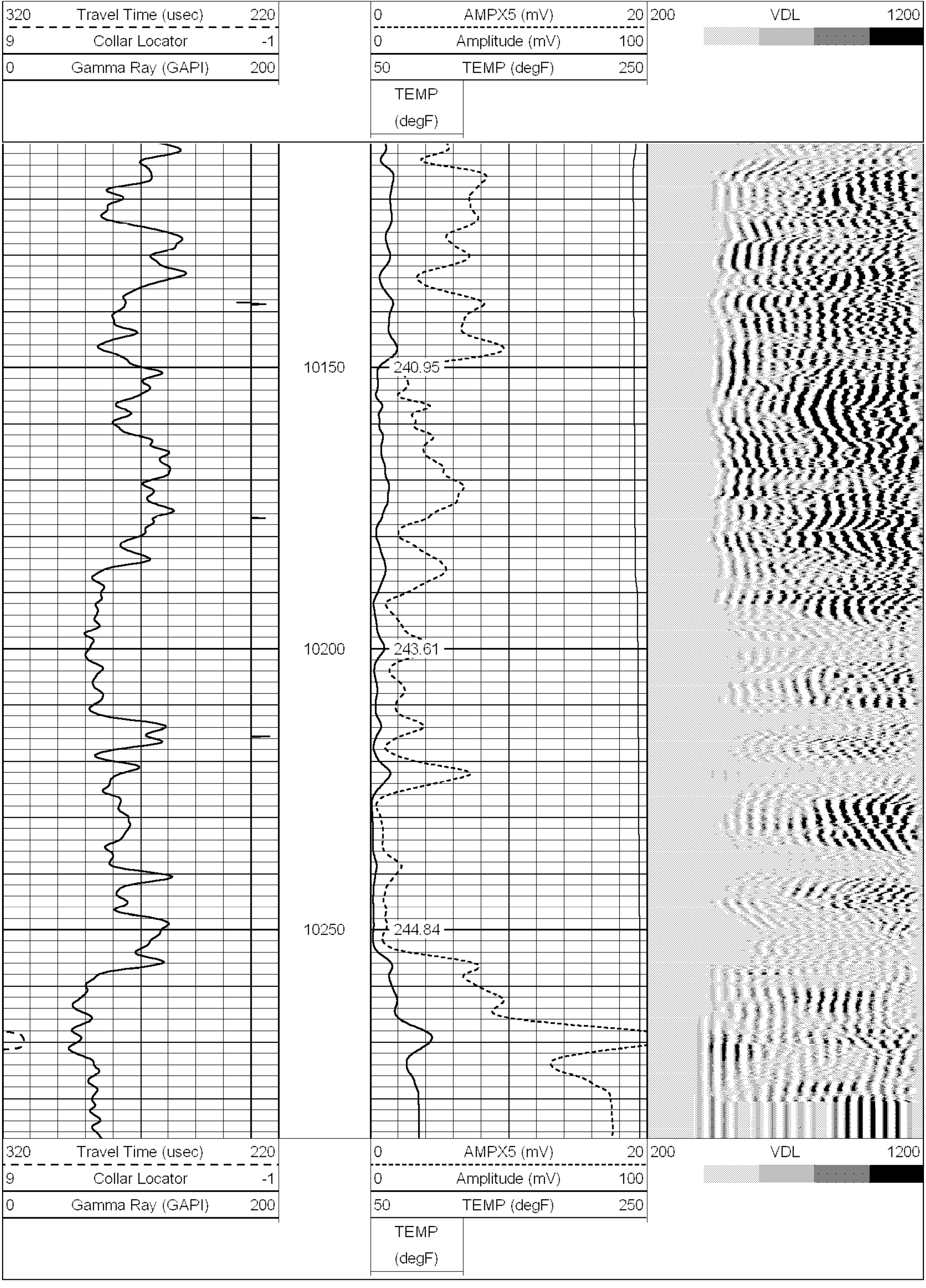

9600
229.94
9650
230.93
9700
232.61
9750
233.76

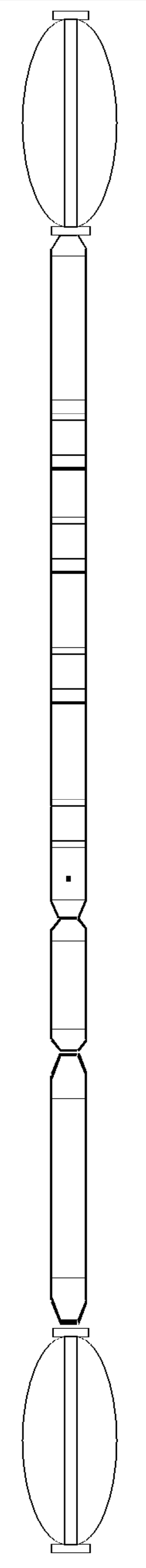

9800
234.98
9850
236.00
9900
236.92
9950
237.71


10000
238.50
10050
239.34
10100
240.31



Database File:	haroldanderson4-21.db
Dataset Pathname:	pass4
Presentation Format:	2scbtvdl
Dataset Creation:	Mon Jan 26 14:23:00 2009 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			LTEC-1.68 LTEC Six Arm	3.00	1.69	15.00
TEMP	14.85					
WVFS1	13.56					
WVFS2	13.56					
WVFS3	13.56		SCBL100T-Tekco100T (100T-001)	9.13	0.00	
WVFS4	13.56					
WVFS5	13.56					
WVFS6	13.56					
WVFS7	13.56					
WVFS8	13.56					
WVF3FT	12.81					
WVFCAL	12.81					
WVF5FT	11.81					
WVFTEMP	8.47					
WVFSYNC	8.47					
CCL	7.29		CCL-Tekco105 (105-003)	1.81	2.75	15.00
			GR-Tekco110 (110-004)	3.66	2.75	25.00
GR	4.00					
			LTEC-1.68 LTEC Six Arm	3.00	1.69	15.00

Dataset:	haroldanderson4-21.db: field/well/run1/pass8
Total Length:	20.60 ft
Total Weight:	70.00 lb
O.D.	2.75 in